HIGH SCHOOL

COURSE GUIDE

23-24

KISD

Cover art provided by:

Gabriel Franco
Fossil Ridge High School

Vision

KISD – an exceptional district in which to learn, work and live.

Mission Statement

The community of Keller ISD will educate our students to achieve their highest standards of performance by engaging them in exceptional opportunities.

Intentionally Exceptional

We Value…

Relationships as the foundation for how we teach, learn, work, and play together in a safe, engaging, and caring way.

Care for our teachers because the impact of their work prepares students for their future.

Passionate teaching dedicated to content and craft that inspires others.

Exploration and the pursuit of one's passion that leads to personal growth.

Communication and collaboration that strengthens our unity.

Respect for the diversity of our school community through a cultureofunderstandingandpersonalized learningopportunities.

Our Strategies

In what ways might school be so interesting, and foster such curiosity and wonder, that it propels endless opportunities?

In what ways might we/I clarify our/my purpose in a way that builds trust and unity?

In what ways might we proactively support teachers so they can focus on teaching?

ASSURANCE OF NONDISCRIMINATION

Rev. 08/03/20

Keller ISD does not discriminate on the basis of race, religion, color, national origin, sex, disability, or age in providing education services, activities, and programs, including vocational programs, and also provides equal access to the Boy Scouts and other designated youth groups, in accordance with Title VI of the *Civil Rights Act of 1964*, as amended; Title IX of the *Educational Amendments of 1972*; Section 504 of the *Rehabilitation Act of 1973*, as amended; *Age Discrimination Act of 1975*; Title II of the *Americans with Disabilities Act*; and the *Boy Scouts of America Equal Access Act*.

The following district staff members have been designated to coordinate compliance with these legal requirements:

- Title IX Coordinator, for concerns regarding discrimination on the basis of sex:
  Amanda Bigbee
  General Counsel
  350 Keller Parkway, Keller, TX 76248
  Amanda.Bigbee@kellerisd.net | (817) 744-1000

- Section 504 Coordinator, for concerns regarding discrimination on the basis of disability:
  Leigh Cook
  Director of Federal Programs & Academic Compliance
  350 Keller Parkway, Keller, TX 76248
  Leigh.Cook@kellerisd.net | (817) 744-1000

- Americans with Disabilities Act (ADA) Coordinator, for concerns regarding discrimination on the basis of disability:
  Johjania Najera
  Executive Director of Human Resources
  350 Keller Parkway, Keller, TX 76248
  Johjania.Najera@kellerisd.net | (817) 744-1000

- All other concerns regarding discrimination:
  Dr. Rick Westfall
  Superintendent
  350 Keller Parkway, Keller, TX 76248
  Rick.Westfall@kellerisd.net | (817) 744-1000

All complaints shall be handled through established channels and procedures beginning with the building principal, followed by appeal to the appropriate central administration contact, and finally the board of trustees, in accordance with Policy FNG.

If you need the assistance of the Office for Civil Rights (OCR) of the Department of Education, the address of the OCR Regional Office that covers Texas is:

Dallas Office

Office for Civil Rights, U.S. Department of Education

1999 Bryan Street, Suite 1620

Dallas, TX 75201-6810

Telephone: (214) 661-9600

Facsimile: (214) 661-9587

Email: *OCR.Dallas@ed.gov*

High School Directory

CENTRAL HIGH SCHOOL

9450 Ray White Road	Phone: 817-744-2000
Keller, TX 76244	Fax: 817-744-2252
Elizabeth Russo, Principal	*Mascot: Charger* *Colors: Crimson & Gold*

FOSSIL RIDGE HIGH SCHOOL

4101 Thompson Road	Phone: 817-744-1700
Keller, TX 76244	Fax: 817-337-3407
Amanda Burruel, Principal	*Mascot: Panther* *Colors: Black & Gold*

KELLER CENTER FOR ADVANCED LEARNING
CAREER & TECHNICAL HIGH SCHOOL

201 Bursey Road	Phone: 817-743-8000
Keller, TX 76248	Fax: 817-743-8038
Stephanie Speaks, Principal	

KELLER COLLEGIATE ACADEMY

3901 Summerfields Boulevard	Phone: 817-744-3800
Fort Worth, TX 76137	Fax: 817-744-3838
Tracy Arsenault, Principal	*Mascot: Owl* *Colors: Green*

KELLER HIGH SCHOOL

601 North Pate-Orr Road	Phone: 817-744-1400
Keller, TX 76248	Fax: 817-337-3362
Lisa Simmons, Principal	*Mascot: Indian* *Colors: Blue & Gold*

KELLER COMPASS CENTER
ALTERNATIVE EDUCATION HIGH SCHOOL

250 North College Street	Phone: 817-744-4465
Keller, TX 76248	Fax: 817-744-4464
Lee Parker, Principal	*Colors: Purple & White*

TIMBER CREEK HIGH SCHOOL

12350 Timber Land Blvd.	Phone: 817-744-2300
Fort Worth, TX 76244	Fax: 817-744-2338
Shawn Duhon, Principal	*Mascot: Falcon* *Colors: Purple & Gold*

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Advanced Academics

The Keller Independent School District secondary schools offer students the opportunity to participate in challenging academic courses, such as Accelerated (Acc), Advanced (Adv), Honors, Advanced Placement (AP), Dual Credit, and Dual Enrollment. Because these classes are college preparatory and/or similar to college-level courses, students are challenged to be more disciplined, structured, and to perform at a higher academic level.

What is Honors? Honors courses are high school college preparatory courses that are designed to provide students with the necessary skills to be successful in Dual Credit and AP courses. In KISD, these skills together with the Texas Essential Knowledge and Skills (TEKS) comprise the syllabi for Honors courses.

What is Dual Credit (DC): A student may enroll in academic courses for college credit before they graduate from high school. Students receive both high school and college credit for successful completion of required courses offered through the district partnership university. Students enrolled in dual credit courses are expected to attend class on the scheduled days. A student must:

- Obtain permission from the high school
- Enroll at the college/university offering the courses
- Earn a grade average of 70 or above or "C" in each required course
- Meet the entrance requirements of the college/university including the required TSI exam
- Comply with the Student Code of Conduct and grading guidelines of the college/university

What is Dual Enrollment (DE): Courses similar to dual credit, by participating in a dual enrollment course, a student is working in college-level curriculum while in high school. However, dual enrollment means that there is a separate college course grade earned and a separate high school course grade earned. The University of Texas at Austin OnRamps courses are an example of this course type. Each dual enrollment course in the guide will have the corresponding HS credit equivalent. Students will register for UT OnRamps courses with their high school teacher at the beginning of the school year after selecting the dual enrollment course for KISD.

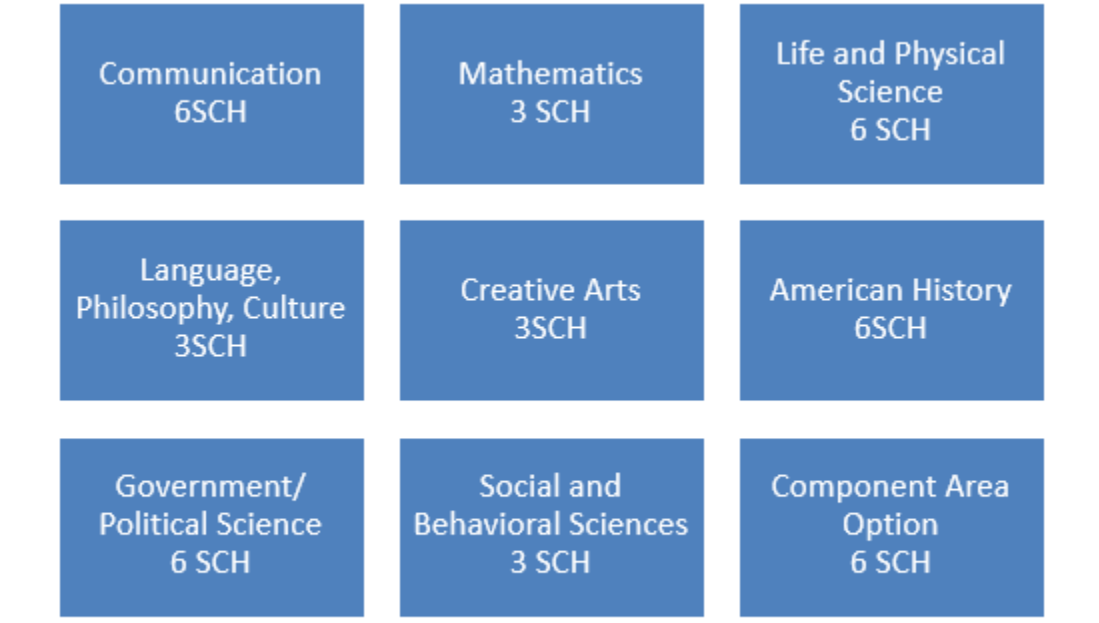
What is AP? The AP (Advanced Placement) Program is administered by the College Board of New York. It allows students to participate in college level courses and possibly earn college credit while still attending high school. Secondary schools and colleges cooperate in this program to give students the opportunity to show mastery in college-level courses by taking Advanced Placement (AP) exams in May of each school year.

Advanced Placement Examinations (AP) These exams provide students with the opportunity to gain college credit by examination at participating universities. Information regarding the awarding of credit, can be found online at www.collegeboard.com

AP Capstone Diploma Program: Students can earn the AP Capstone Diploma or the AP Seminar and Research Certificate. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate. All AP courses and course descriptions can be found throughout this guide.

	Advanced Placement (AP)	Dual Credit	Dual Enrollment (UT OnRamps)
Description	The AP (Advanced Placement) Program is administered by the College Board of New York. It allows students to participate in college-level courses and possibly earn college credit while still attending high school.	Students earn one grade and receive both high school and college credit for the successful completion of required courses offered through the district partnership university.	Students earn two grades and receive both high school and college credit for the successful completion of required courses.
How is College Credit Earned?	No guarantee upon completion of course(s); must pass College Board Exam. AP exams with a scores of 3 or higher. **Advanced Placement Examinations (AP).** These exams provide students with the opportunity to gain college credit by examination at participating universities. Information regarding the awarding of credit can be found online at collegeboard.com.	Guaranteed semester credit hours(sch) upon successful completion of the course(s) in Texas. Students must earn a minimum of 70% or a "C" to earn high school credit.	Guaranteed semester credit hours(sch) upon successful completion of the course(s) in Texas. Students must earn a minimum of 70% to earn high school credit.
College/ University Acceptance	Accepted throughout the nation. Check the policy at each college or university.	Accepted at public colleges and universities in Texas as well as many other colleges and universities across the nation. Check the policy at each college or university.	Accepted at public colleges and universities in Texas as well as many other colleges and universities across the nation. Check the policy at each college or university.
Eligibility	Advanced Placement is considered open enrollment. Students may register for and participate in AP courses each year provided that they have completed the course prerequisites.	MUST • Be identified as a high school student • Have high school approval • Meet TSI eligibility requirements for college-level course work.	MUST • Be identified as a high school student. • Select course(s) during high school registration.
Cost	Students/Parents are responsible for all registration. Approx. $100 per test. Waivers are available to those who qualify.	Students/Parents are responsible for all registration, tuition, fees, and textbook costs. Approx $192 per 3-hour course Financial Aid is available through FAFSA and a dual grant.	Students/Parents are responsible for all registration, tuition, fees, and textbook costs. $149 per course(s) = Student $99 per course(s) = F/R Student For additional financial support contact the campus counseling office.

Texas Core Curriculum: The purpose of the core curriculum is to ensure that Texas undergraduate students enrolled in public institutions of higher education will develop the essential knowledge and skills they need in order to be successful in college, in a career, in their communities, and in life. Many dual and advanced placement courses in Keller ISD will potentially count towards a degree from any public institution in the state. One of the most important provisions of the Texas Core Curriculum is that it allows students who successfully complete a 42-semester credit hour (SCH) core curriculum at one institution to transfer the entire set of completed courses to another public Texas higher education institution without having to repeat any core courses. See this website for more information: http://board.thecb.state.tx.us/apps/TCC/. Below you will see the nine areas that make up the Texas Core Curriculum.



SCH = Semester Credit Hours

KISD Dual Program Texas Core Curriculum

The following dual courses are offered during the school day in Keller ISD.

Course Name	Delivery	Credit	Partner Institution	Course Title	College Hours
COMMUNICATION (6 HOURS) CHOOSE TWO COURSES					
Dual English III	HS Campus	1	TCC	ENGL 1301 Composition I	3
				ENGL 1302 Composition II	3
Professional Communications	College Campus/ Online	0.5	TCC	SPCH 1321 Business and Professional Communication	3
MATHEMATICS (3 HOURS) CHOOSE ONE COURSE					
Algebra II	College Campus/ Online	1	TCC	MATH 1314 College Algebra	3
Independent Study in Math (1st time)	College Campus/ Online	1	TCC	MATH 2413 Calculus 1	4
				MATH 2414 Calculus 2	4
OnRamps Precalculus	HS Campus	1	UT-Austin	MATH 2312 Discovering Precalculus	3
OnRamps College Algebra	HS Campus	1	UT-Austin	MATH 1314 College Algebra	3
OnRamps Statistics	HS Campus	1	UT-Austin	MATH 1342 Elementary Statistics	3
Precalculus	College Campus/ Online	1	TCC	MATH 2412 Precalculus Math	4
Statistics	College Campus/ Online	1	TCC	MATH 1342 Elementary Statistical Methods	3
LIFE AND PHYSICAL SCIENCES (6 HOURS) CHOOSE TWO COURSES					
Anatomy & Physiology	College Campus/ Online	1	TCC	BIOL 2401 Anatomy & Physiology 1	4
				BIOL 2402 Anatomy & Physiology 2	4
Microbiology	College Campus/ Online	1	TCC	BIOL 2420 Microbiology	4
OnRamps Physics	HS Campus	1	UT-Austin	PHYS 1301 Mechanics, Heat and Sound: General Physics Technical Course 1	4
				PHYS 1101 Lab for Mechanics, Heat, and Sound	
OnRamps Chemistry	HS Campus	1	UT-Austin	CHEM 1301 Principles of Chemistry 1	4
				CHEM 1104 Lab for Chemical Practices 1	
Physics	College Campus/ Online	1	TCC	PHYS 1405 Elementary Physics 1	4
				PHYS 1407 Elementary Physics 2	4

Scientific Research & Design	College Campus/ Online	1	TCC	CHEM 1411 General Chemistry I	4
				CHEM 1412 General Chemistry II	4
LANGUAGE, PHILOSOPHY, AND CULTURE (3 HOURS) CHOOSE ONE COURSE					
Dual English IV	College Campus/ Online	1	TCC	ENGL 2322 British Literature I to 1800	3
				ENGL 2323 British Literature II since 1800	3
Dual English IV	HS Campus	1	TCC	ENGL 2332 World Literature I	3
				ENGL 2333 World Literature II	3
Dual French III	HS Campus	1	TCC	FREN 2311 Intermediate French I	3
Dual French IV	College Campus/ Online	1	TCC	FREN 2312 Intermediate French II	3
Dual Spanish III	HS Campus	1	TCC	SPAN 2311 Intermediate Spanish I	3
Dual Spanish IV	College Campus/ Online	1	TCC	SPAN 2312 Intermediate Spanish II	3
CREATIVE ARTS (3 HOURS) CHOOSE ONE COURSE					
Art Appreciation	College Campus/ Online	1	TCC	ARTS 1303 Art History I	3
AMERICAN HISTORY (6 HOURS) CHOOSE TWO COURSES					
Dual US History	HS Campus	1	TCC	HIST 1301 United States History I to 1876	3
				HIST 1302 United States History II since 1876	3
GOVERNMENT/POLITICAL SCIENCE (6 HOURS) CHOOSE TWO COURSES					
Dual US Government	HS Campus/ Online	0.5	TCC	GOVT 2305 United States Government	3
Special Topics in Social Studies	College Campus/ Online	0.5	TCC	GOVT 2306 Texas Government	3
SOCIAL AND BEHAVIORAL SCIENCES (3 HOURS) CHOOSE ONE COURSE					
Dual Economics	HS Campus, College Campus/Online	0.5	TCC	ECON 2301 Principles of Macroeconomics OR ECON 2302 Principles of Microeconomics	3
Psychology	College Campus/ Online	0.5	TCC	PSYC 2301 General Psychology	3
Sociology	College Campus/ Online	0.5	TCC	SOCI 1301 Introduction to Sociology	3

COMPONENT AREA OPTION (6 HOURS)
Overflow Hours: Please note that not all overflow hours from the Texas Core Curriculum will be accepted into the component area option. Refer to the Texas General Education Core Curriculum WebCenter for a specific university or college course acceptance.

The previously listed are part of the Texas Core a 42 Semester Credit Hour core curriculum for all undergraduate students in Texas. College courses taken outside of those listed above may not count for high school credit. Students who wish to graduate with an associate degree will need additional hours as a concurrent student.

KISD Dual Program Pathway Curriculum

The following courses apply to specific pathways. You must check with your college/university for transfer capability.

AGRICULTURE					
Dual Advanced Animal Science	HS Campus	1	Weatherford College	AGRI 1419 Animal Science	4
AVIATION MAINTENANCE TECHNOLOGY: AIRFRAME-AVIA.D002.UG					
Dual Aircraft Airframe Technology	College Campus	2	TCC	AERM 1315 Aviation Science	10
				AERM 1205 Weight and Balance	
				AERM 1310 Ground Operations	
				AERM 1208 Federal Aviation Agency Regulations	
Dual Advanced Aircraft Technology	College Campus	2	TCC	AERM 1314 Basic Electricity	6
				AERM 1303 Shop Practice	
PROFESSIONAL PILOT-ATPP.D004.UG					
Practicum in Transportation Systems Age Requirement - 17	College Campus	2	TCC	AIRP 1301 Air Navigation	11
				AIRP 1317 Private Pilot Ground	
				AIRP 1215 Private Flight	
				AIRP 1313 Introduction to Aviation	
Practicum in Transportation Systems (2nd Time) Age Requirement - 17	College Campus	2	TCC	AIRP 1451 Instrument Ground School	12
				AIRP 1307 Aviation Meteorology	
				AIRP 1341 Advanced Air Navigation	
				AIRP 2250 Instrument Flight	

College Prep Courses (NOT dual credit): These courses are offered to students during their senior year of high school. Students must take both courses. Successfully completing these courses and obtaining the minimum requirements on the Texas State Initiative (TSI) will allow the student to begin college and career coursework without remediation.

English – College and Career Readiness Intervention (TCC-TSI Course)
(1176) College Preparatory English (1 Credit) Course Goal: To support in meeting TSI requirements for English and to enter college and career coursework without remediation. Targeted students: Incoming seniors who are attending TCC and have not yet met the requirements for College and Career Readiness, as well as unsatisfactory performance on TSI Assessment. Additional indicators: Unsatisfactory performance on English III writing portfolio.

Mathematics – College and Career Readiness Intervention (TCC-TSI Course)
(2376) College Preparatory Math (1 Credit) Course Goal: The goal of this course is to support students in meeting TSI requirements for math. Targeted students: Students who have not met a College Readiness indicator as identified by House Bill 5.

Career and Technical Education

The Keller Independent School District does not discriminate on the basis of race, color, national origin, sex, disability or age in its CTE programs and activities.

Career and Technical Education provides competency-based applied learning which contributes to academic knowledge, higher order thinking skills, problem solving skills, work attitudes, general employability skills, and occupationally specific skills needed for success in the workplace or in post-secondary education. Various types of programs are offered: laboratory program classes, work-based learning classes, internships, and a variety of courses centered on technology.

This department is moving towards synchronization with the US/Texas labor market. The Career and Technical Education courses are generally taught as competency based. The beginning courses survey the occupational area for the student. An occupational skill is the objective of the more advanced CTE courses. Most of the instruction is hands-on with real-life applications.

Career Planning Resources

College Board
www.collegeboard.org
The College Board is a not-for-profit membership association whose mission is to connect students to college success and opportunity. Founded in 1900, the College Board is composed of more than 6,000 schools, colleges, universities, and other educational organizations. Each year, the College Board serves seven million students and their parents, 23,000 high schools, and 3,800 colleges through major programs and services in college readiness, college admission, guidance, assessment, financial aid, enrollment, and teaching and learning. Among its best-known programs are the SAT®, the PSAT/NMSQT® and the Advanced Placement Program® (AP®). The College Board is committed to the principles of excellence and equity, and that commitment is embodied in all of its programs, services, activities, and concerns.

Federal Student Aid
http://studentaid.ed.gov/sa
The Department of Education's Federal Student Aid programs are the largest source of student aid in America. If you're interested in financial aid for college or a career school, you've come to the right place. Visit the website to find out more and how to apply for this aid.

Reality Check
https://texasrealitycheck.com/
This site allows students to search for careers starting with the expenses they need to cover, the salaries they want to make, and their career choices.

Career Information
www.careeronestop.org
This is the place to search for career, training, and job search information.

Interlink
www.interlink-ntx.org
Solving the workforce puzzle by bridging the gap between business and education.

Class Ranking

Class ranking is the system of placing students in descending order according to their weighted grade point averages. Class ranks are assigned at each high school grade level at the end of each semester.

Course Credit Options

Blended Learning: Classes with this designation meet three times per week. Students complete the bulk of their coursework online, with opportunities for application and enrichment during face-to-face class sessions. On the days that students are not scheduled to be in class (referred to as flex days), their teacher is available for tutoring sessions and opportunities to make up coursework. Courses offered in this fashion are listed below:

Blended Courses				
Course Name	**KISD #**	**Credits**	**Grade Levels**	**Recommended Prerequisites**
English III, English III AP	B1063, B1083	1	11	English II
English IV, English IV AP	B1093, B1113	1	12	English III
Government, AP Government	B4301, B4311	.5	12	None
Economics, AP Economics	B4302, B4322	.5	12	None
U.S. History, AP U.S. History	B4003, B4023	1	11	None

College Level Courses: A student may enroll in a college-level course at an accredited college or university that is not in a partnership program within the district. Awarding of credit shall be based on courses available in the Keller ISD Course Guide or District administrator approval.

Correspondence Courses: Prior approval to enroll in a correspondence course must be obtained through the application available in the counseling center. A student may be enrolled in only one correspondence course at a time. The calculation of class rank shall exclude grades earned through correspondence courses. See your counselor for further information and special requirements for students wishing to graduate using correspondence course work.

Credit by Exam: Prior approval to take a credit by exam must be obtained through the application available in the counseling center. The calculation of class rank shall exclude credit by exams. Only successful attempts are noted in the academic achievement record. See your counselor for further information on requirements and procedures.

Acceleration: A student may earn credit for certain courses in which they have had *no prior instruction* by scoring a grade of 80 or above on an examination for acceleration and meeting other eligibility requirements.

Credit Recovery: For courses where credit was denied because of grades or excessive absences, a student may earn credit toward graduation by scoring a grade of 70 or above on a special examination. A fee is charged for credit by exam credit recovery testing.

iChoose: The Keller ISD Virtual Learning program is designed to address the unique needs of students by providing flexible learning options through online instruction. All instruction is delivered through a learning management system taught by highly trained Keller ISD instructors who interact with students through various media platforms. Students are given a pacing guide with due dates for assignments to help them be successful in the course. Students may have a class period in their schedule where they will be mentored by a Keller ISD facilitator as they progress through the course. iChoose is an approved online provider for NCAA and College Board. iChoose courses count towards UIL eligibility in accordance with Keller ISD rules and regulations and the TEA/UIL Side by Side Handbook. Grades are reported on progress reports and report cards and follow the Keller ISD Academic Calendar. Courses offered in this fashion are listed in the Virtual Courses offerings and are also found throughout this guide notated with the iChoose icon.

Texas Virtual School Network: The Texas Virtual School Network (TxVSN) provides high school courses to supplement regular instructional programs. The high school counselor will approve all student course enrollments. Students may not elect to take the same course through Texas Virtual School Network for credit if it is offered through iChoose. Currently, students are limited to three (3) courses per TxVSN session. Fees may vary by the course and the providing district. The providing district sets the calendar for TxVSN classes. Students must follow the schedule and guidelines set in each course. All courses in progress are considered passing until notification is received from the provider. Information on TxVSN courses is located at http://www.txvsn.org. Students will be required to pay the cost of the course if more than 3 courses are taken or for courses taken in addition to a full schedule.

Credit

A unit value given to each high school class taken and passed. Credits are awarded at the end of each semester except when taken prior to ninth grade, in which case they will be awarded after completion of the 8th grade. The credit value is shown for each course described.

KISD Course Numbers: Course numbers in this guide are listed as whole numbers, but when selecting courses, an A (fall semester) and B (spring semester) will be added to the end of each course number for scheduling purposes. Half credit courses will not have an A or B added. For example, 1003 English I will be 1003A and 1003B, but Professional Communications will remain 1465.

Local Credits: Some courses offered are not among the state approved courses and will receive local credit. Grades earned in locally developed courses are not computed into the grade point average. A local credit is neither mandatory nor calculated into the required amount of credits needed to graduate.

Elective

A course that a student elects or chooses to take although the course is not specifically required.

Endorsement

For students who begin 9th grade in 2014-2015 and thereafter, prior to entering 9th grade, students are required to declare a chosen program of study, or endorsement, which will help in guiding course elective choices throughout high school. Students may earn a single endorsement, or multiple endorsements in the areas of: Arts and Humanities, Business and Industry, Multidisciplinary Studies, Public Service, or STEM (Science, Technology, Engineering, & Math). Students wishing to change their declared endorsement must follow the Keller ISD process and should see their assigned counselor. Endorsement change requests after the 10th grade year will be evaluated and may sometimes not be possible, depending on the pathway.

Enrollment

A student enrolling in the district for the first time must be accompanied by his/her parents or legal guardian and must provide satisfactory evidence of required immunization, proof of residency (utility bill or lease agreement), and a withdrawal form from the previous school. To complete admission the following demographic information is necessary: social security number, home address, home phone, mother's name, place of business and work phone, father's name, place of business and work phone, also a friend or relative's name and number in case of emergency is required. Proof of residency will be required every year. An email address will assist in communication between home and school.

Gifted and Talented

Students identified as Gifted and Talented are served through the Honors, Advanced Placement, Advanced, Dual Credit, Advanced CTE, Advanced Dual Credit, and Independent Study classes in the secondary schools in the Keller Independent School District. In order for students to continue to be served, they must be enrolled in one or more of these advanced courses. Please see the course guide for the specific class titles.

Grade Point Average

GPA Policies Side by Side Comparison Chart

Graduation Year	**2023/2024**	**2025+**
MS courses for HS credit	INCLUDED in GPA calculation	INCLUDED in GPA calculation
GPA Scale	5.0	6.0
Course Weight	Regular courses maximum GPA 4.0 Honors/Dual Credit courses maximum GPA 4.5 AP courses maximum GPA 5.0	Regular courses maximum GPA 4.0 Honors/Dual Credit courses maximum GPA 5.0 AP/UT OnRamps courses maximum GPA 6.0
Courses used in GPA Calculation	Regular, Honors/Dual Credit and AP courses on list of 17 except: Correspondence courses Credit recovery Dual Credit outside of HS Local Credit Evening/Night School Summer School Credit Recovery CBE Online courses outside of district other than TXVSN See Cohort 2023-2024 Weighted GPA Course List below *Unweighted GPA includes ALL courses taken for state HS credit except those graded as P/F Grades below 70 not included in calculation	Core and LOTE only on specific course list Excludes: Correspondence Courses Credit Recovery Local Credit Evening/Night School Summer School Credit Recovery CBE Courses taken as P/F Online courses outside of district other than TXVSN See Cohort 2025 GPA Weighted Course List below *Unweighted GPA includes ALL courses taken for state HS credit except those graded as P/F Grades below 70 not included in calculation
Courses receiving weight outside of H/DC/AP	NA	Any course with an AP course as a prerequisite is weighted as an AP course

Top 10%/GPA Posting	Weighted GPA cutoff for top 10% provided each semester Weighted GPA/Rank available each semester on the transcript GPA/Rank includes early graduates for that class	Weighted GPA/Rank available each semester on transcript GPA/Rank includes early graduates for that class
Date of Final Ranking	End of 1st semester in 12th Valedictorian/Salutatorian cannot be early graduates	End of 3rd 9 weeks in 12th The final 3rd 9 weeks grade will be treated as the semester 2 grade for purposes of final GPA and rank calculation Valedictorian/Salutatorian cannot be early graduates

Keller ISD maintains decision making authority over any course submitted for GPA inclusion that has not been vetted.

Cohorts 2023 and 2024 Weighted GPA Course List

Course	To Include:
English I	English I Sheltered English I English I Honors Humanities I (Receives Honors Weight)
English II	English II Sheltered English II English II Honors Humanities II (Receives Honors Weight)
English III	English III Sheltered English III AP English III Dual English III Humanities III (Receives AP Weight)
English IV	English IV Sheltered English IV AP English IV Dual English IV
Algebra I	Algebra I Algebra I Sheltered Algebra I Honors Compacted Algebra I, Geometry, Algebra II
Geometry	Geometry Geometry Sheltered Geometry Honors Compacted Algebra I, Geometry, Algebra II* Compacted Geometry, Algebraic Reasoning, Algebra II
Algebra II	Algebra II Algebra II Sheltered Algebra II Honors Dual Credit Algebra: UT OnRamps Compacted Algebra I, Geometry, Algebra II Compacted Geometry, Algebraic Reasoning, Algebra II* Algebra II Compacted
Biology	Biology Biology Sheltered Biology Honors AP Biology
Chemistry	Chemistry Chemistry Sheltered Chemistry Honors AP Chemistry Dual Chemistry: UT OnRamps

Physics	Physics Physics Sheltered Physics Honors AP Physics I Dual Physics: UT OnRamps AP Physics II AP Physics C: Electricity and Magnetism AP Physics C: Mechanics
World Geography	World Geography World Geography Sheltered World Geography Honors AP Human Geography Humanities I (Receives AP Weight)
World History	World History World History Sheltered AP World History Humanities II (Receives AP Weight)
United States History	United States History United States History Sheltered AP United States History Dual United States History Humanities III (Receives AP Weight)
United States Government	United States Government AP United States Government and Politics Dual United States Government
Economics	Economics AP Macroeconomics AP Microeconomics Dual Principles of Macroeconomics Personal Financial Literacy and Economics
Languages Other Than English**	ASL I ASL II French I French I Honors French II French II Honors German I German I Honors German II German II Honors Latin I Latin I Honors Latin II Latin II Honors Spanish I Spanish I Honors Spanish II Spanish II Honors Computer Science I Honors AP Computer Science Other Foreign Languages I Other Foreign Languages II

*Only the Geometry and Algebra II portions of this course count towards weighted GPA

For Cohorts 2023 and 2024, the district shall convert semester grades to grade points and shall calculate a weighted grade point average (GPA) in accordance with the following chart:

Grade	AP	Dual Credit / Honors	Regular
100	5.0	4.5	4.0
99	4.9	4.4	3.9
98	4.8	4.3	3.8
97	4.7	4.2	3.7
96	4.6	4.1	3.6
95	4.5	4.0	3.5
94	4.4	3.9	3.4
93	4.3	3.8	3.3
92	4.2	3.7	3.2
91	4.1	3.6	3.1
90	4.0	3.5	3.0
89	3.9	3.4	2.9
88	3.8	3.3	2.8
87	3.7	3.2	2.7
86	3.6	3.1	2.6
85	3.5	3.0	2.5
84	3.4	2.9	2.4
83	3.3	2.8	2.3
82	3.2	2.7	2.2
81	3.1	2.6	2.1

Grade	AP	Dual Credit / Honors	Regular
80	3.0	2.5	2.0
79	2.9	2.4	1.9
78	2.8	2.3	1.8
77	2.7	2.2	1.7
76	2.6	2.1	1.6
75	2.5	2.0	1.5
74	2.4	1.9	1.4
73	2.3	1.8	1.3
72	2.2	1.7	1.2
71	2.1	1.6	1.1
70	2.0	1.5	1.0

Cohort 2025 Weighted GPA Course List

The following courses within each content area are included in the calculation of class rank and weighted semester GPA and count towards graduation credits per TEA Chapter 74. Curriculum Requirements Subchapter B. Graduation Requirements. Additional information regarding state graduation credits may be found here: http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074b.html

This list is updated annually and published within the course guide.

English

- English I, English I Honors or Sheltered English I
- English II, English II Honors or Sheltered English II
- English III, English III Blended, Dual English III, AP English III, AP English III Blended or Sheltered English III
- English IV, English IV Blended, Dual English IV, AP English IV, AP English IV Blended or Sheltered English IV
- Independent Study in English I
- Creative Writing
- Research and Technical Writing
- Debate III
- Independent Study in Speech
- Advanced Broadcast Journalism III
- Advanced Journalism: Newspaper III
- Advanced Journalism: Yearbook III
- College Prep English
- Humanities I, Humanities II, Humanities III

Math

- Algebra I, Algebra I Honors or Sheltered Algebra I
- Geometry, Geometry Honors or Sheltered Geometry
- Math Models w/Applications
- Independent Study in Math
- Strategic Learning for High School Math
- Digital Electronics (Honors weight)
- Accounting II (Honors weight)
- Robotics II
- Algebra II, Algebra II Honors or Sheltered Algebra II
- UT OnRamps College Algebra (AP weight)
- Precalculus, Precalculus Honors, UT OnRamps Precalculus (AP weight)
- AP Precalculus
- Advanced Quantitative Reasoning
- Algebraic Reasoning or Sheltered Algebraic Reasoning
- Statistics, AP Statistics, Dual Statistics, UT OnRamps Statistics (AP weight)
- Statistics and Business Decision Making
- College Prep Math
- Compacted Algebra II
- Double-blocked AP Calculus AB and AP Calculus BC
- Calculus
- AP Calculus AB
- AP Calculus BC
- Applied Mathematics for Technical Professionals
- AP Computer Science A – Math

Science

- Biology, Biology Honors or Sheltered Biology
- Integrated Physics and Chemistry or Sheltered Integrated Physics and Chemistry
- Chemistry, Chemistry Honors, UT OnRamps Chemistry (AP weight) or Sheltered Chemistry
- Physics, Physics Honors, UT OnRamps Physics (AP weight) or Sheltered Physics
- Principles of Technology
- AP Biology
- AP Chemistry
- AP Physics I
- AP Physics II
- AP Environmental Science
- AP Physics C: Electricity & Magnetism
- AP Physics C: Mechanics
- Aquatic Science
- Astronomy
- Earth System Science
- Engineering Design and Problem Solving (Honors weight)
- Environmental Systems, Sheltered Environmental Systems
- Advanced Animal Science, Advanced Animal Science Honors, Dual Advanced Animal Science
- Anatomy and Physiology, Anatomy and Physiology Honors, or Dual Anatomy and Physiology
- Medical Microbiology, Medical Microbiology Honors, or Dual Medical Microbiology
- Pathophysiology, Pathophysiology Honors, or Dual Pathophysiology
- Forensic Science, Forensic Science Honors
- SRD: Unmanned Aerial Vehicles
- SRD: Veterinary Clinical Skills, SRD: Veterinary Clinical Skills Honors
- Engineering Science

Social Studies

- World Geography, World Geography Honors or Sheltered World Geography
- World History, AP World History or Sheltered World History
- US History, US History Blended, Dual US History, AP US History, AP US History Blended, Sheltered US History
- US Government, US Government Blended, Dual US Government, AP US Government, AP Government Blended, AP Comparative Government
- Economics, Economics Blended, Dual Macroeconomics, AP Microeconomics, AP Macroeconomics, AP Macroeconomics Blended
- Personal Financial Literacy and Economics
- AP Human Geography
- Humanities I, Humanities II, Humanities III

Languages Other than English

- American Sign Language I, II, III, IV
- French I, French I Honors, French II, French II Honors, French III Honors, Dual French III, AP French IV
- German I, German I Honors, German II, German II Honors, German III Honors, AP German IV, German V
- Latin I, Latin I Honors, Latin II, Latin II Honors, Latin III Honors, AP Latin IV
- Spanish I, Spanish I Honors, Spanish II, Spanish II Honors, Spanish III, Spanish III Honors, Dual Spanish III, AP Spanish IV, AP Spanish V
- Spanish for Native Speakers I, Spanish for Native Speakers II, Spanish for Native Speakers III, Spanish for Native Speakers IV
- Special Topics in Language and Culture
- AP Computer Science A – LOTE
- Computer Science I, Computer Science I Honors, AP Computer Science – LOTE, Computer Science II (receives AP weight), Computer Science III (receives AP weight)

For Cohort 2025 and beyond, the district shall convert semester grades to grade points and shall calculate a weighted grade point average (GPA) in accordance with the following chart:

Grade	AP	Dual Credit / Honors	Regular
97–100	6.0	5.0	4.0
94–96	5.8	4.8	3.8
90–93	5.6	4.6	3.6
87–89	5.4	4.4	3.4
84–86	5.2	4.2	3.2
80–83	5.0	4.0	3.0
77–79	4.8	3.8	2.8
74–76	4.6	3.6	2.6
71–73	4.4	3.4	2.4
70	4.2	3.2	2.2

Standard Unweighted GPA Chart

Numerical Grade	Standard Unweighted GPA Conversion
97-100	4.0
94-96	3.8
90-93	3.6
87-89	3.4
84-86	3.2
80-83	3.0
77-79	2.8
74-76	2.6
71-73	2.4
70	2.2

*Grades below 70 are not calculated into the GPA.
*All courses taken for HS credit, excluding those graded as P/F, are included in the standard unweighted GPA calculation.

Grade Reporting

*KISD counselors report the standard unweighted GPA on college and scholarship applications.

The attendance law states that students must have 90% attendance in a high school course in order to receive credit in a given course in order to meet the state's attendance law of course credit.

A student must be present 90% of the days in each class during a semester. Numerical scores are used to report grades and a minimum grade average of 70 is required for receiving credit. Credit for a full year course is awarded on a semester-by-semester basis. Other courses offered locally, which are not among the state approved courses for grades 9-12 are not included in calculating grade point averages and class rank.

Graduation Rankings

Students who graduate in the top 10% of their high school class are eligible for automatic admission to institutions of higher education if they have completed the Foundation with Endorsement Distinguished Level of Achievement plan. Students who may, due to university policy, be eligible for automatic admission if they are in the top 25% of their graduating class must also complete the Foundation with Endorsement Distinguished plan. Colleges and universities may require additional courses for admission. Students should check with the institution they are interested in attending for any additional requirements.

Honor Graduates

- Student GPAs will be ranked to determine valedictorian (1st) and salutatorian (2nd). To be eligible for valedictorian or salutatorian honors, the student shall have attended a Keller Independent School District high school the entire senior year. If a tie exists, co-valedictorian or co-salutatorians will be declared.
- Transfer students shall receive honors grade credit and point values based on the same standards and policies, which govern students who complete equivalent courses in the district. Transfer students shall not receive additional grade point value for advanced or honors courses taken outside the district for which an equivalent course was not available in the district to a student graduating the same year. Students who transfer in with a letter grade will receive the numerical equivalent based on board policy.

Graduation Requirements

To graduate from Keller ISD, students must fulfill all requirements established by the State of Texas and the Board of Trustees. To learn the current requirements for each please see:

Texas Education Agency:
http://www.tea.state.tx.us/graduation.aspx

Keller ISD Board Policy:
https://pol.tasb.org/Policy/Code/1103?filter=EIF

Note that graduation requirements may change after the printing of this guide. Please refer to the links above and/or check with your counselor for the latest updates. Students must pass all state required end of course exams to include English I, English II, Algebra 1, Biology, and US History.

Only those senior students who have completed all requirements for graduation may participate in the graduation exercise held either at the conclusion of the regular school year or in the summer. Senate Bill 673 from the 80th Texas Legislature ensures that students who receive special education services but who have not yet completed the requirements of their IEPs have the opportunity to participate in a graduation ceremony upon completion of four years of high school.

High School Classification

Students are classified according to the number of credits they have earned and their year in high school. Required classification credits are listed below.

Freshman	**0 to 5.5 credits**
Sophomore	6 to 11.5 credits
Junior	12 to 17.5 credits
Senior	18+ credits

Keller Center for Advanced Learning (KCAL)

The Keller Center for Advanced Learning will offer students the opportunity to take advanced courses within their chosen endorsement. Students will participate in field-based experiences, culminating in the senior practicum made possible with strong community and business partnerships. Each student will have the opportunity to participate in Career and Technical Student Organizations (CTSOs) and obtain certifications, certificates, licensures and/or college credit within their program of study. KCAL is a collaborative, innovative educational experience that will empower KISD students to be highly competitive in our global society. Additional programming options in the areas of HVAC, plumbing, electrical, and plant science will be available in the 2022-2023 school year.

Keller Collegiate Academy (KCA)

Keller ISD's collegiate academy includes pathways in Associate of Arts, Health Science; Associate of Science, Health Science; Level 2 Certificate Vocational Nursing (LVN); and Associate of Applied Science, Surgical Technology.

Physical Education

One credit of P.E. is required of all students for graduation; however up to 4 credits may be earned. The following activities may be substituted for the one credit of required P.E.:

Athletics (up to 4 credits)
Band during fall semester (maximum of 1 credit)
Cheerleading (up to 4 credits)
Drill Team (maximum of 1 credit)
Dance I /Unified Dance (maximum of 1 credit)
Color guard (maximum of 1 credit)
Unified P.E. (up to 3 credit)
ROTC I (maximum of 1 credit)
Technical Theatre II (maximum of 1 credit)
Musical Theatre I (maximum of 1 credit)
Jazz Ensemble I-V (Show Choir) (maximum of 1 credit)

Prerequisites

A requirement that must be met in order to qualify to take a specific course. Some courses have recommended prerequisites that would best prepare a student for the next level of course. Prerequisites are listed for each course described.

Schedule Changes

Master schedules are developed in the spring prior to the upcoming year. Selections during registration indicate how many teachers and sections will be needed for a course. The process allows administrators to plan and to hire for optimum academic strength. When students are permitted to randomly change schedules, classes become overcrowded. As a result, all students are affected. Even the most effective planning is compromised. Very seldom does a one-course change affect only one course. Careful selection benefits everyone. Thank you for being a crucial part of our educational team as we work together for academic excellence.

Registration

- Parent and student informational meetings will be held during spring registration.
- Students will be guided through course selection.
- Students who do not complete registration will have a schedule arranged for them by their counselor according to their academic needs and/or graduation plan.

Add/Drop Date

- The last Friday before spring break will officially end the opportunity for course request changes for the following year.
- Only schedule changes pertaining to graduation plans and/or computer errors will be addressed during the following school year.
- A student who does not complete registration by the add/drop date will not be eligible for a schedule change.

SAVE Committee Process

- The SAVE Committee is chaired by the assistant principal and is composed of the student, the parent/guardian, the teacher whose class the student is requesting to exit, and the student's counselor.
- Schedule changes that are requested after the first 10 days of school that affect AP, Honors, and online classes will only be addressed through the SAVE Committee process.

To request a SAVE Committee, a student and parent must:	
1.	Conference with the teacher about the course.
2.	Complete a SAVE Committee request form.
3.	Submit request form to the counseling office.
A student can request a SAVE Committee:	
	Beginning the Monday of the 4th full week of the semester*
	Schedule changes for SAVE changes will only occur during the 5th full week of the semester*

*Students may only request SAVEs during the second semester for 1-semester courses such as AP Government or AP Macroeconomics

Semester

This is an 18-week segment of the 9-month school year. Two semesters make up the school year with credits being earned at the end of each semester.

Student Athletes

High school student athletes take academic college-preparatory courses, preferably one in each of the following areas: English, math, science, social studies, and world language. The students should compare course selection against the list of NCAA-approved core courses. For more information about NCAA and the requirements please visit the NCAA Eligibility Center online. Courses that are on the 48H list for Keller ISD are indicated with a ☑ The Keller ISD iChoose virtual learning courses meet the requirements for non-traditional courses as outlined by NCAA.

Summer Intervention

Summer intervention is provided to give the student the opportunity to take a course that was not successfully completed during the school year. Registration will be conducted towards the end of the spring semester. Summer Intervention takes place at a high school campus.

Testing

Advanced Placement Examinations (AP): These exams provide students with the opportunities to gain college credit by examination at participating universities. Information regarding the awarding of credit, can be found online at www.collegeboard.com Keller ISD and the Keller ISD Education Foundation have combined efforts to create financial support for students enrolled in and taking Advanced Placement exams. Contact your campus counseling office for financial aid information for AP testing.
***Students should contact their college of choice regarding required placement exams.**

ASVAB: The Armed Services Vocational Aptitude Battery is available to students in grades 10-12. It measures aptitudes and abilities and relates them to specific occupations in civilian and military life. Students are strongly encouraged to take this test to help them make wise career choices. Your scores in four critical areas -- Arithmetic Reasoning, Word Knowledge, Paragraph Comprehension and Mathematics Knowledge -- count towards your Armed Forces Qualifying Test (AFQT) score. The AFQT score determines whether you're qualified to enlist in the U.S. military.

STAAR EOC:

State Assessment Requirements	Students will be required to take the State of Texas Assessments of Academic Readiness (STAAR) end of course (EOC) exam corresponding to designated courses. There are 5 STAAR EOC exams aligning to designated courses. Students are required to perform satisfactorily on each state required exam.			
What courses have STAAR EOCs?	English I English II	Algebra I	Biology	US History
What are the STAAR EOC Performance Standards?	<u>Passing Performance Standards:</u> Approaches Grade Level Meets Grade Level Masters Grade Level --- <u>Non-passing Performance Standards:</u> Does Not Meet Grade Level			
When will students take initial attempt of EOC exams?	STAAR EOC English I and II administered in early April. Each English exam consists of a reading and writing component combined on to one exam. STAAR EOC Algebra I, Biology, and US History administered in early May.			
When are the STAAR EOC retest opportunities offered?	STAAR EOC retest will be offered three times a year, once in the fall, spring, and summer.			

College Entrance Exams: Since college entrance exams are required, the student planning to go to college is encouraged to take the following tests: (It is recommended that English III and Algebra 2 be completed before taking any college entrance exam).

National Merit Scholarship Qualifying Test (PSAT-NMSQT): This test is designed to aid sophomores and juniors in estimating their ability to do college level work and to guide them in making college plans. Industries and universities for scholarship purposes sometimes use the PSAT scores. National Merit Scholarship recipients are determined from the scores acquired from the PSAT taken during their junior year. This test is given in October each year.

ACT and/or **SAT:** What is necessary for the testing of ACT and SAT? The ACT and/or SAT exams are a system for testing prospective college students for the purpose of admission and counseling. The student should find out which test is required or preferred by the institution. These tests are administered several times during the year at various locations. Each of these tests has a required fee that must be paid at the time of registration.

Registration information is available online at www.collegeboard.com or www.actstudent.org.
***Students should contact their college of choice regarding required exams.**

TSI Assessment-The TSI (Texas Success Initiative) is a program designed to help colleges and universities in Texas determine if a student is ready for college-level course work in the general areas of reading, writing, and mathematics. Incoming college students in Texas are required to take the TSI Assessment, unless exempt, to determine college level readiness. Based on TSI performance, a student may be placed in a college preparatory course or intervention to improve skills and prepare for success in college course. The TSI has a Pre-Assessment activity component designed by the college or university and is mandatory. Students are not allowed to take the TSI until this activity has been completed.

To satisfy TSI and course prerequisite requirements, you must meet or exceed the following college-ready scores:

Subject Area	College-Ready Score
Mathematics	350
Reading	351
Writing	Placement score of at least 340 and an essay score of at least 4 OR Placement score of less than 340 and an ABE Diagnostic level of at least a 4 and an essay score of at least 5

*Please note that the TSI is transitioning to TSIA2 on January 11, 2021. Information about the TSIA2 will be available here.

It is possible for a student to earn an exemption from the TSI Assessment. Exemption criteria are listed below:

a) ACT-Composite score of 23 with a minimum of 19 on the English and/or Mathematics test; or
b) SAT-Combined verbal and mathematics score of 1070 with a minimum of 500 on the verbal and/or the mathematics test.

Transfer Students

Out of state transfer students must complete all state and local graduation requirements to be eligible for a Texas diploma. Incoming transfer credits toward graduation will be accepted from accredited public schools and from private or parochial schools accredited by an association recognized by the Texas Commissioner of Education.

UIL Eligibility

The following UIL standards are used to determine academic eligibility for the first six weeks for the school year.

- Grade 9 and below: Students must have been promoted from the previous grade.
- Grade 10: Five accumulated credits that count toward state graduation requirements.
- Grade 11: Ten accumulated credits that count toward state graduation requirements or student must have earned at least five credits within the last twelve months.
- Grade 12: Fifteen accumulated credits that count toward state graduation requirements, or student must have earned at least five credits within the last twelve months.

Keller ISD Graduation Requirements-Students who entered High School in 2014-2015 and beyond

The Default Plan for Keller ISD students is the Distinguished Level of Achievement Plan, which includes one endorsement choice.				
	9th	***10th***	***11th***	***12th***
Keller ISD Graduation Requirements - 26 Credits				
English - 4 Credits	English I	English II	English III	4th English
Math - 4 Credits	Algebra I	Geometry	Algebra II	4th Math
Science - 4 Credits	Biology	IPC, Physics OR Chemistry	3rd Science	4th Science
Social Studies - 4 Credits	World Geography	World History	US History	Government/Economics
World Languages	2 credits of the same world language			
Physical Education	1 credit			
Fine Art	1 credit – *Art, Band, Choir, Dance, Orchestra, Piano, or Theatre*			
21st Century Skills	.5 credit Professional Communications			
Electives	5.5 credits			

Endorsement	**Programs of Study**	**Requirements**
Arts and Humanities	• English • Fine Arts • Social Studies • World Languages	Students must take a coherent sequence of at least four courses within the appropriate programs of study.
Business and Industry	• Accounting • Agriculture • Architecture and Construction • Automotive • Business Communications* • Business Management • Hospitality and Tourism • Information Technology • Manufacturing • Marketing • Visual Arts	Students must take a coherent sequence of at least three courses for four or more credits in the correlated pathway. (Two of the credits must be advanced, junior year or later)
Public Service	• Health Science • Human Services • Law Enforcement • Legal Studies • Military Science • Teaching and Training	Students must take a coherent sequence of at least three courses for four or more credits in the correlated pathway. (Two of the credits must be advanced, junior year or later)
Science, Technology, Engineering, and Math (STEM)	• Science • Technology • Engineering • Math	**All STEM Endorsements must include Algebra II, Chemistry, and Physics.** Students must take a coherent sequence of at least three courses for four or more credits in the correlated pathway. (Two of the credits must be advanced, junior year or later) OR STEM – Math must take two additional math classes after successful completion of Geometry and Algebra II. OR STEM – Science must take two additional science courses after successful completion of Biology, Chemistry, and Physics

Endorsement	Programs of Study	Requirements
Multidisciplinary	4 Courses of each • English • Math • Science • Social Studies	+4 Credits in each foundation subject area – must include English IV, and Chemistry and/or Physics OR +4 Credits in AP or Dual OR +4 Advanced Courses (Junior & above) in Endorsement Areas for 4 or more credits
Distinguished	1. Successful completion of the Foundation High School Program. 2. Earning at least one Endorsement • Completing a total of four credits in math, including credit in Algebra 2 • Completing a total of four credits in science	
Performance Acknowledgements	For outstanding performance **Advanced Coursework** • 12 hours of dual credit or locally articulated courses, with a grade of a "B" or higher *OR* • An associate degree while in HS **AP Capstone Diploma** • Scores of 3 or higher on the AP Seminar and AP Research AP exams *AND* • Scores of 3 or higher on four additional AP exams of choice **Bilingualism/Bi-literacy Coursework** • Completing all ELA Requirements with a grade of a "B" or higher *AND* • Three credits in the same "Language other than English" with a grade of a "B" or higher *OR* • Successful completion of a Level 4 course in a "Language other than English" with a grade of a "B" or higher *OR* • Completion of at least three credits in foundation subject area courses in a language other than English with a grade of a "B" or higher *OR* • A score of a "3" or higher on a College Board AP Exam for a "Language other than English" *OR* • Performance on a national assessment of language proficiency in a "Language other than English" ***EMERGENT BILINGUAL STUDENTS (ENGLISH LEARNERS) ONLY*** *In addition to above requirements, students must also* • Participate in and meet the exit criteria for a bilingual or ESL program AND • Scored at the Advanced High Level on the TELPAS **Advanced Examination** • A score of 3 or higher on a College Board AP Exam **College Readiness Examination** • Commended Scholar score or higher on the PSAT/NMSQT or as an awardee of the NRP *OR* • Earning a composite score of 442 on the ACT-Aspire exam *OR* • Earning a composite score of 29 on the ACT Pre-ACT exam *OR* • Earning a total score of at least 1350 on the SAT *OR* • Earning a composite score of at least 29 on the ACT (excluding the writing sub-score) **Workforce Readiness** • Successful performance on an examination that results in obtaining a nationally or internationally recognized business or industry certification *OR* • Successful performance on an examination that results in obtaining a government-required credential to practice a profession	

Four Year Planning

Grade Level	1	2	3	4	5	6	7	8
9th	**English I**	**Algebra I**	**Biology**	**World Geography or AP Human Geography**	***Language 1**	***Professional Communications**	***PE**	**Endorsement elective**
10th	**English II**	**Geometry**	**IPC, Physics, Chemistry**	**World History**	***Language 2**	***Fine Art**	**Elective**	**Endorsement elective**
11th	**English III**	**3rd Math**	**3rd Science**	**U.S. History**	**Elective**	**Elective**	**Elective**	**Endorsement elective**
12th	**4th English Course**	**4th Math**	**4th Science**	**Government & Economics**	**Elective**	**Elective**	**Elective**	**Endorsement elective**
Course sequence is dependent upon prior credits completed in middle school. *Designated courses may be completed at any grade level								

TOTAL CREDITS REQUIRED = 26

Icon Legend

Icons have been placed throughout the course sections and indicate if a course is Honors, AP, Dual Credit, offered in a Blended or Virtual environment, or is NCAA approved.

Honors course

Advanced Placement course

Tarrant County College course

Texas OnRamps course

Weatherford College course

Blended course

Virtual course

☑ NCAA approved course

English Language Arts

Course Name	Credits	Grade Levels	Recommended Prerequisites
English I	1	9	None
English I Honors	1	9	None
English II	1	10	English I
English II Honors	1	10	English I
English III	1	11	English II
AP English III	1	11	English II
Dual English III – TCC Composition I/II 1301 & 1302	1	11	Required TCC Admissions Standards
English III Blended	1	11	English II
AP English III Blended	1	11	English II
Sheltered English I/II/III/IV	1	9-12	Required Placement Test and/or LPAC recommendation
Advanced English Courses			
English IV	1	12	English III
AP English IV	1	12	English III
Dual English IV – TCC World Literature I/II 2332 & 2333	1	12	Required TCC Admissions Standards Dual English III
English IV Blended	1	12	English III
AP English IV Blended	1	12	English III
Creative Writing	1	10-12	English II
Literary Genres	1	11-12	Creative Writing
Research and Technical Writing	1	10-12	English I
Debate III	1	11-12	Oral Interpretation I
Advanced Broadcast Journalism III	1	11-12	Advanced Broadcast Journalism II
Advanced Journalism: Newspaper III	1	11-12	Advanced Journalism Newspaper II
Advanced Journalism: Yearbook III	1	11-12	Advanced Journalism Yearbook II
English Electives			
Photojournalism	.5	9-12	None
Debate I, II	1	10-12	Debate I
Oral Interpretation I, II	1	10-12	Debate I
Advanced Broadcast Journalism I, II	1	10-12	Contemporary Media
Advanced Journalism: Newspaper I, II	1	10-12	Contemporary Media
Advanced Journalism: Yearbook I, II	1	10-12	Contemporary Media
Advanced Journalism: Literary Magazine	1	9-12	Creative Writing
English Language Development and Acquisition (ELDA)	1	9-12	Newcomer
Practical Writing Skills	1	12	Required Language Proficiency Test and/or LPAC recommendation
Independent Study in English: New Testament	1	9-12	None
Independent Study in English: Hebrew Scriptures	1	9-12	None
AP Seminar	1	10-11	Advanced course recommended
AP Research	1	11-12	AP Seminar
College Preparatory English – TCC TSI Course	1	11-12	Has not met College Readiness indicator according to HB5
Contemporary Media	1	9-12	None

Special Education English Courses			
Basic English I	1	9	ARD Decision
Basic English II	1	10	ARD Decision
Basic English III	1	11	ARD Decision
Basic English IV	1	12	ARD Decision
Fundamentals of English I	1	9	ARD Decision
Fundamentals of English II	1	10	ARD Decision
Fundamentals of English III	1	11	ARD Decision
Fundamentals of English IV	1	12	ARD Decision
Fundamentals of Independent English IV	1	12	ARD Decision

Recommended English Sequence				
Students who entered 9th Grade in 2014-2015 and beyond				
English Sequence	9th Grade	10th Grade	11th Grade	12th Grade
4 Credits	English I or English I Honors	English II or English II Honors	English III or English III AP or Dual English III	Advanced English Course *See Appendix A

English I
TEDS: 03220100 ☑ **KISD:** 1003/C1003
Credit: 1
Grade: 9
Recommended prerequisite: None

English I is the foundation course designed for ninth grade students who demonstrate talent in verbal and/or writing skills. Rigorous instruction emphasizes sentence structure, paragraph development, and development of comprehensive papers of explication, personal narrative, opinion, and description. Composition practice is coordinated with guided reading of fiction, nonfiction, drama, and poetry. The course will focus on critical thinking skills, literary analysis, and development of writing styles.

English I Honors
TEDS: 03220100 ☑ **KISD:** 1023
Credit: 1
Grade: 9
Recommended prerequisite: None

This course provides an in-depth study of the elements and genres of literature. Students produce a variety of original texts including documented research and literary analysis. They will also present oral communications using various forms and technologies. They analyze and critique their presentations and those of others emphasizing the purpose and effect of visuals on the audience. Students will focus on skills required for success in dual credit and on the Advanced Placement Exam.

English II

TEDS: 03220200 ☑ **KISD:** 1033/C1033
Credit: 1
Grade: 10
Recommended prerequisite: English I

English II is designed for tenth grade students. Intense instruction emphasizes sentence structure, paragraph development, and development of explication, personal narrative, opinion, and description. Composition practice is coordinated with guided reading of fiction, nonfiction, drama, and poetry. The course will focus on critical thinking skills, literary analysis, and development of writing styles. Each student will complete a research project.

English II Honors

TEDS: 03220200 ☑ **KISD:** 1053
Credit: 1
Grade: 10
Recommended prerequisite: English I

English II Honors includes advanced mechanics, syntax, usage, and vocabulary in preparation for the PSAT and Advanced Placement Exam. It continues work on critical thinking skills. Students analyze discourse in persuasive and informative texts as well as the short, documented essay. Students will also write reflectively using personal narrative and memoir. The course requires critical reading of classical, Medieval, Renaissance, and contemporary literature with emphasis on the writer's style and purpose. Literary selections provide more mature reading experiences. Students will produce a variety of oral and media communications. They will analyze and evaluate their own and others' presentations in terms of the effect of media on American society. Students will also complete a research project.

English III

TEDS: 03220300 ☑ **KISD:** 1063/C1063
Credit: 1
Grade: 11
Recommended prerequisite: English II

English III is the third year of a required four-year study. It is a Recommended Prerequisite for English IV. Instruction emphasizes all aspects of American literature. Composition work continues with expository writing. Each student must complete a research project.

AP English III

TEDS: A3220100 ☑ **KISD:** 1083
Credit: 1
Grade: 11
Recommended prerequisite: English II

AP Language and Composition emphasizes the analysis of a variety of literary and nonfiction texts with particular attention to the writer's style, diction, syntax, argumentation, and logic. Students reflect this analysis in compositions that use sophisticated syntax and vocabulary, effective use of proof, and control of the conventions of language. Emphasis is on wide reading and analytic response in timed essays in preparation for the Advanced Placement Exam in Language and Composition. A qualifying score on the AP test may enable students to be exempt from the composition class that many colleges require. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual English III

TCC English Composition 1301 & 1302

TEDS: 03220300 ☑ **KISD:** 1065
Credit: 1
Grade: 11
Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course includes principles of composition and rhetorical skills necessary for clear, logical writing. Emphasis on writing as a process and an introduction to research will be covered Students must purchase the books required for TCC – Composition I and II. Also, students must register and pay for the course through Tarrant County College.

English IV

TEDS: 03220400 ☑ **KISD:** 1093/C1093
Credit: 1
Grade: 12
Recommended prerequisite: English III

English IV is the final year of a required four-year study for the college bound student. Intense instruction emphasizes an in-depth study of British literature. Composition work continues with expository writing and argumentation. Each student must complete a senior research theme paper.

AP English IV

TEDS: A3220200 ☑ **KISD:** 1113
Credit: 1
Grade: 12
Recommended prerequisite: English III

Using college level expectations, this course emphasizes wide reading and analysis of world literature including fiction, nonfiction, and poetry. Students analyze literary elements and writer's style related to purpose, audience, and theme. Literary analysis will also be a major focus of the composition strand. Students will use proof, advanced syntax, and vocabulary in compositions written on demand and using writing process. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual English IV

TCC World Literature 2332 & 2333

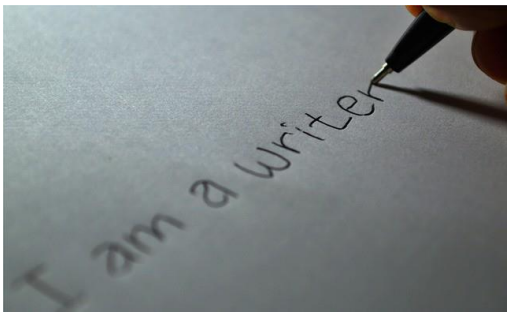
TEDS: 03220400 ☑ **KISD:** 1103
Credit: 1
Grade: 12
Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. A survey of world literature from the ancient world through the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Also, students must register and pay for the course through Tarrant County College.

Sheltered English I-IV

TEDS: 03220100 I ☑ **KISD:** 1125
TEDS: 03220200 II ☑ **KISD:** 1126
TEDS: 03220300 III ☑ **KISD:** 1127
TEDS: 03220400 IV ☑ **KISD:** 1128
Credit: 1
Grade: 9-12
Required prerequisite: Placement test and/or LPAC recommendation

Enrollment is limited to Emergent Bilingual students indicated as English learners in 9th-12th grades. Placement in Sheltered English I-IV will be determined through language proficiency tests and LPAC recommendations. Sheltered English courses align with the state and district requirements for English I-IV. Sheltered classes may substitute for the required English credits.



Photojournalism

TEDS: 03230800 **KISD:** 1371
Credit: .5
Grade: 9-12
Recommended prerequisite: None

In this semester course, students are expected to plan, interpret, and critique visual representation, carefully examining their product for publication. They will become analytical consumers of media and technology to enhance their communication skills. Students will study the laws and ethical considerations that impact photography. Published photos of professional photojournalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, and produce effective visual representations. Students will refine and enhance their journalistic skills and plan, prepare, and produce photographs for a journalistic publication, whether print, digital, or online media.

Advanced Journalism Newspaper I-III

TEDS: 03230140 I **KISD:** 13331
TEDS: 03230150 II **KISD:** 13332
TEDS: 03230160 III **KISD:** 13333
Credit: 1
Grade: 10-12
Recommended prerequisite: Contemporary Media

Students enrolled in Advanced Journalism: Newspaper I, II, III communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Newspaper I, II, III, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Newspaper I, II, III will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

Advanced Journalism Yearbook I-III

TEDS: 03230110 I **KISD:** 13531
TEDS: 03230120 II **KISD:** 13532
TEDS: 03230130 III **KISD:** 13533
Credit: 1
Grade: 10-12
Recommended prerequisite: Contemporary Media

Students enrolled in Advanced Journalism: Yearbook I, II, III communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Yearbook I, II, III, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Yearbook I, II, III will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

Advanced Broadcast Journalism I-III

TEDS: 03231900 I **KISD:** 1313
TEDS: 03231901 II **KISD:** 13231
TEDS: 03231902 III **KISD:** 13232
Credit: 1
Grade: 10-12
Recommended prerequisite: Contemporary Media

Students need to be critical viewers, consumers, and producers of media. The ability to access, analyze, evaluate, and produce communication in a variety of forms is an important part of language development. High school students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

Debate I-III

TEDS: 03240600 I **KISD:** 1403
TEDS: 03240700 II **KISD:** 1413
TEDS: 03240800 III ☑ **KISD:** 1423
Credit: 1
Grade: 9-12
Recommended prerequisite: Debate I

Controversial issues arise in aspects of personal, social public, and professional life in modern society. Debate and argumentation are widely used to make decisions and reduce conflict. Students who develop skills in argumentation and debate become interested in current issues, develop sound critical thinking, and sharpen communication skills. They acquire life-long skills for intelligently approaching controversial issues.

Oral Interpretation I-II

TEDS: 03240200 I **KISD:** 1462
TEDS: 03240300 II **KISD:** 1471
Credit: 1
Grade: 10-12
Recommended prerequisite: Debate I

Literature and its presentation are integral to understanding the cultural aspects of a society. Students in Oral Interpretation I-II will select, research, analyze, adapt, interpret, and perform literary texts as a communication art. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated. Competitive events are required.

Creative Writing

TEDS: 03221200 ☑ **KISD:** 1163
Credit: 1
Grade: 10-12
Recommended prerequisite: English II

The study of creative writing allows high school students to earn one credit while developing versatility as a writer. Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

Literary Genres

TEDS: 03221500 **KISD:** 1192
Credit: 1
Grade: 11-12
Recommended prerequisite: Creative Writing

Students enrolled in Literary Genres will spend time analyzing the fictional and poetic elements of literary texts and read to appreciate the writer's craft. High school students will discover how well-written literary texts can serve as models for their own writing. High school students respond to oral, written, and electronic texts to connect their knowledge of the world.

Research and Technical Writing

TEDS: 03221100 **KISD:** 1217
Credit: 1
Grade: 10-12
Recommended prerequisite: English I

The study of technical writing allows high school students to earn one credit while developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers.

Advanced Journalism: Literary Magazine

TEDS: 03230170 **KISD:** 13631
Credit: 1
Grade: 12
Recommended prerequisite: Creative Writing

Students enrolled in Advanced Journalism: Literary Magazine communicates in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Literary Magazine, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Literary Magazine will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

Independent Study in English I-III

TEDS: 03221800 I **KISD:** 1133
TEDS: 03221810 II **KISD:** 1134
TEDS: 03221820 III **KISD:** 1135
Credit: 1
Grade: 9-11
Required prerequisite: Placement test and/or LPAC recommendation

Enrollment is limited to Emergent Bilingual students indicated as English learners in 9-11th grades that are at the Beginner-Advanced High language proficiency levels in language acquisition. The course provides additional language arts support for limited English proficient students. Placement will be determined through language proficiency tests and LPAC recommendations.

Practical Writing Skills

TEDS: 03221300 **KISD:** 861
Credit: 1
Grade: 12
Required prerequisite: Placement test and/or LPAC recommendation

Enrollment is limited to LEP indicated students in 12th grade who are at the Beginner-Advanced High language proficiency levels in language acquisition. The course provides additional language arts support for limited English proficient students. Placement will be determined through language proficiency tests and LPAC recommendations.

Independent Study in English: Hebrew Scriptures

TEDS: 03221830 **KISD:** 1161
Credit: 1
Grade: 9-12
Recommended prerequisite: None

This elective English course will follow federal law maintaining religious neutrality and will consider the Hebrew scripture in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding their impact on contemporary society and culture, including literature, art, music, tradition, morals, laws, history, and government. The course will be objective and academic in nature, requiring students to use their analytical abilities. It will compare religion and the literature of religion for the purposes of literary and/or historical qualities.

Independent Study in English: New Testament

TEDS: 03221840 **KISD:** 1162
Credit: 1
Grade: 9-12
Recommended prerequisite: None

This elective English course will follow federal law maintaining religious neutrality and will consider the New Testament scripture in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding their impact on contemporary society and culture, including literature, art, music, tradition, morals, laws, history, and government. The course will be objective and academic in nature, requiring students to use their analytical abilities. It will compare religion and the literature of religion for the purposes of literary and/or historical qualities.

AP Seminar

TEDS: N1130026 **KISD:** 1067
Credit: 1
Grade: 10-11
Recommended prerequisite: A previous Honors course is strongly recommended for success

AP Seminar is a foundational course that engages students in cross-curricular conversations where they can explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. They synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision so they can craft and communicate evidence-based arguments. Exploring different points of view and making connections across disciplines are fundamental components of the AP Seminar experience. Students consider one topic or issue from multiple perspectives, many of which are divergent or competing. Analyzing topics through multiple lenses aids in interdisciplinary understanding and gives students a rich appreciation for the intricacy of important issues. *This course will count as the student's 21st century skill requirement for graduation.*

AP Research

TEDS: N1100014 **KISD:** 1068
Credit: 1
Grade: 11-12
Recommended prerequisite: AP Seminar

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a yearlong investigation to address a research question. In the AP Research course, students further develop the skills acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio.

College Preparatory English

TCC TSI Course
TEDS: CP110100 **KISD:** 1176
Credit: 1
Grade: 11-12
Recommended prerequisite: Students who have not met a College Readiness indicator as identified by House Bill 5.

The goal of this course is to support students in meeting TSI requirements for English and to enter college and career coursework. Students will take the TSI at the conclusion of this course.

Contemporary Media

TEDS: 03241401 **KISD:** 1365
Credit: 1
Grade: 9-12
Recommended prerequisite: None

In this course, students will learn to identify the history and evolution of media used for mass communication, specifically how media influences tastes, behavior, purchasing, and voting decisions. Students who are media literate understand television, radio, film, and other visual images and auditory messages. They will learn to recognize the types and functions of mass media, such as television, radio, Internet, podcast, YouTube, newspaper, periodicals, blogs, social networking, emailing, texting, search engines, and music. They will identify and analyze regulations that govern media and interpret the influence of that media. They will also analyze, create, and evaluate visual and auditory messages, including developing skills for organizing, writing, and designing media messages for specific purposes and effects. *This course can fulfill the 21st century skill requirement for students in the broadcast journalism, yearbook, or newspaper pathways only.*

Basic English I

TEDS: 03220100 **KISD:** M1003
Credit: 1
Grade: 9
Recommended prerequisite: ARD Decision

This course uses modified English I content to meet the individual learning requirements of students. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and view representing. Students will integrate correct language skills within the reading and writing processes; plan, draft, and complete written compositions from all writing forms on a regular basis; read and respond to multiple genres from world literature translated into English from various cultures; understand basic literary concepts. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Basic English II

TEDS: 03220200 **KISD:** M1033
Credit: 1
Grade: 10
Recommended prerequisite: ARD Decision

This course uses modified English II content to meet the individual learning requirements of students. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing representing. Students increase and refine their communication skills; plan, draft, and complete written compositions with emphasis on persuasive forms; read extensively in multiple genres from world literature translated to English from various cultures. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual needs of the students.

Basic English III

TEDS: 03220300 **KISD:** M1063
Credit: 1
Grade: 11
Recommended prerequisite: ARD Decision

This course uses modified English III content to meet the individual learning requirements of students. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing representing. Students continue to increase and refine communication skills; plan, draft, and complete written compositions with emphasis on business forms on a regular basis. American literature and other world literature provide the source for critical thinking and literary essays. Students' present and critique oral communications and Graphic Design & Illustration products. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Basic English IV

TEDS: 03220400 **KISD:** M1093
Credit: 1
Grade: 12
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skill for the grade level English I TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students will integrate correct language skill within the reading and writing processes; plan, draft, and complete written compositions from all writing forms on a regular basis; read, and respond to multiple genres from world literature translated into English from various cultures; understand basic literary concepts. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of English I

TEDS: 03220107 **KISD:** T1003
Credit: 1
Grade: 9
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English I TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students will integrate correct language skill within the reading and writing processes; plan, draft, and complete written compositions from all writing forms on a regular basis; read, and respond to multiple genres from world literature translated to English from various cultures; understand basic literary concepts. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of English II

TEDS: 03220207 **KISD:** T1033
Credit: 1
Grade: 10
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English II TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students increase and refine their communication skills; plan, draft, and complete written compositions with emphasis on persuasive forms; read extensively in multiple genres from world literature translated into English from various cultures. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of English III

TEDS: 03220300 **KISD:** T1063
Credit: 1
Grade: 11
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English III TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students continue to increase and refine communication skills; plan, draft, and complete written compositions with emphasis on business forms on a regular basis. American literature and other world literature provide the source for critical thinking and literary essays. Students' present and critique oral communications and Graphic Design & Illustration products. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of English IV

TEDS: 03220400 **KISD:** T1093
Credit: 1
Grade: 12
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level English IV TEKS. The focus is on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students continue to increase and refine communication skills; plan, draft, and complete written compositions with emphasis on business forms on a regular basis. American literature and other world literature provide the source for critical thinking and literary essays. Students continue development of study skills, strategies, and the use of critical thinking skills. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of Independent English IV

TEDS: 03221800 **KISD:** T1133
Credit: 1
Grade: 12
Recommended prerequisite: ARD Decision

Independent English IV Alternate will assist students in developing skills in the areas of expressive, receptive, written, and representations of language. Attention is given to the ability to communicate effectively within the range of student's abilities. Students will integrate language in order to understand oral, written, and/or symbolic communication. Oral and written language will be used to express ideas, demands and needs, and to make inquiries. Communication will be examined in regards to social appropriateness, environmental cues and, prompts understanding generalizations in real life context, the responsibilities of independent living and skills related.

English Language Arts - Intervention

Students are placed into these courses as needed by the campus administrator.

(1070) Reading I (1 Credit)

Course Goal: To support students in meeting individual English goals necessary in achieving academic success; to support students in meeting English I EOC requirements.

Targeted students: Incoming freshmen who did not meet satisfactory performance on the 8th grade STAAR Reading Assessment, through multiple administrations.

Additional indicators: Unsatisfactory performance through a history of STAAR English assessments.

(1071) Reading II (1 Credit)

Course Goal: To support students in meeting individual English goals necessary in achieving academic success; to support students in meeting English II EOC requirements.

Targeted students: Incoming sophomores or juniors who have not met satisfactory performance on the English 1 or II EOC Assessment, through multiple administrations.

Additional indicators: Unsatisfactory performance through a history of STAAR English assessments and on the English I EOC Assessment.

(1072) Reading III (1 Credit)

Course Goal: To support students in meeting individual English goals necessary in achieving academic success; to support students in meeting English I and/or II EOC requirements.

Targeted students: Incoming juniors or seniors who have not met satisfactory performance on the English 1 or II EOC Assessment, through multiple administrations.

Additional indicators: Unsatisfactory performance on English I and/or English II EOC Assessment.

(1075) College Readiness and Study Skills (.5 Credit)

Course Goal: To support students in meeting individual English goals necessary in achieving academic success; to support students in meeting English I and II EOC requirements.

Targeted students: Incoming juniors or seniors who have not met satisfactory performance on the English I and/or II EOC Assessment, through multiple administrations.

Additional indicators: Unsatisfactory performance through a history of STAAR English assessments and on the English I and/or II EOC Assessment.

English – College and Career Readiness Intervention (TCC-TSI Course)

(1176) College Preparatory English (1 Credit)

Course Goal: To support students in meeting individual English goals necessary in achieving academic success on the TSI assessment.

Targeted students: Students who have not yet met a College Readiness indicator as identified by House Bill 5.

Mathematics

Course Name	Credits	Grade Levels	Prerequisites
Algebra I	1	9	Grade 8 Mathematics
Algebra I Honors	1	9	Grade 8 Mathematics
Algebraic Reasoning	1	10-12	Algebra I
Geometry	1	9-12	Algebra I
Geometry Honors	1	9-12	Algebra I
Math Models with Applications	1	10-12	Algebra I
Algebra II	1	10-12	Algebra I
Algebra II Honors	1	10-12	Algebra I
Dual College Algebra: UT OnRamps	1	10-12	Algebra I, Geometry
Sheltered Math: Algebra I, II, Geometry, Algebraic Reasoning	1	9-12	Required Placement Test and/or LPAC recommendation
Advanced Math Courses			
Precalculus	1	10-12	Algebra I, II, and Geometry
Precalculus Honors	1	10-12	Algebra I, II, and Geometry
AP Precalculus	1	10-12	Algebra I, II, and Geometry
Dual Precalculus: UT OnRamps	1	10-12	Algebra I, II, and Geometry
Advanced Quantitative Reasoning	1	11-12	Algebra I, II, and Geometry
Calculus	1	11-12	*Recommended* Precalculus
AP Calculus AB	1	11-12	*Recommended* Precalculus
AP Calculus BC	1	11-12	*Recommended* Precalculus
Statistics	1	11-12	Algebra I
AP Statistics	1	11-12	*Recommended* Algebra II and Geometry
Dual Statistics: UT OnRamps	1	11-12	*Recommended* Algebra II and Geometry
Accounting II	1	10-12	Accounting I
Accounting II Honors	1	10-12	Accounting I
AP Computer Science	1	10-12	Computer Science I Honors
Applied Math for Technical Professionals	1	11-12	
Digital Electronics	1	11-12	*Recommended*: Engineering Science, Algebra I, and Geometry
Digital Electronics Honors	1	11-12	*Recommended*: Engineering Science, Algebra I, and Geometry
Robotics II	1	12	Robotics I
Statistics and Business Decision Making	1	11-12	*Recommended* Algebra II
Accelerated Math Course			
Compacted Algebra II	1	10-12	Algebra I and Geometry

Elective Credit Only			
College Preparatory Math – TCC TSI Course	1	12	Has not met College Readiness indicator according to HB5
Multivariable Calculus	.5	11-12	Calculus BC
Linear Algebra	.5	11-12	Multivariable Calculus

Italicized courses in the chart above are to be taken as part of a CTE pathway only

Special Education Math Courses			
Basic Algebra I	1	9	ARD Decision
Basic Algebraic Reasoning	1	10-12	ARD Decision
Basic Geometry	1	10	ARD Decision
Basic Math Models with Applications	1	11	ARD Decision
Basic Algebra II	1	12	ARD Decision
Fundamentals of Algebra I	1	9	ARD Decision
Fundamentals of Geometry	1	10	ARD Decision
Fundamentals of Math Models with Applications	1	11	ARD Decision
Fundamentals of Algebra II	1	12	ARD Decision

High School Math Course Sequencing 2023-24

Student levels are to be used by parents, teachers, and counselors to help make course decisions. It is strongly encouraged that parents and students consider the information under "Student Levels" when making course choices.

Student Levels	9th Grade	10th Grade	11th Grade	12th Grade
Approaching Level: ● I maintained a class average below 75 in math. **AND/OR** ● On the STAAR, I scored at the "Approaches" or "Did Not Meet" level	*Algebra I*	*Geometry and/or Algebraic Reasoning*	*Geometry, Algebraic Reasoning, Math Models, or Algebra II.*	*College Preparatory Math (TSI)* ***and/or*** *Algebra II* ***or*** *AQR (Advanced Quantitative Reasoning)*
On Level: ● I passed my math class with 75 or higher. ● I passed my Math STAAR at "Meets Grade Level."	*Algebra I*	*Geometry*	**Choose 1 course:** ● *Algebra II* ● *OnRamps College Algebra* ● *Algebraic Reasoning*	*Algebra II, Precalculus,* or *Statistics* *AQR (Advanced Quantitative Reasoning)*
Beyond Level: ● I passed my Algebra I course in 8th grade. ● I passed my Algebra I EOC at "Masters Grade Level."	*Geometry Honors*	*Algebra II Honors* or *OnRamps College Algebra*	● *Precalculus Honors* ● *AP Precalculus* ● *Precalculus OnRamps* **OR** ● *AP Statistics* ● *Statistics OnRamps* ● *Statistics (on-level)* **Statistics (any level) may be taken concurrently with Precalculus (any level)**	*Precalculus, Precalculus Honors,AP Precalculus, Calculus** *AP Statistics, or Statistics OnRamps*
Accelerated Math (Option 1): ● I passed my math class with an 80% or higher. ● I passed my Math STAAR at "Masters Grade Level."	*Algebra I Honors*	*Geometry Honors*	*Compacted Algebra II* or *OnRamps College Algebra*	*Calculus, AP Calculus AB, AP Calculus BC, AP Statistics, Statistics OnRamps* *or* *Precalculus, Precalculus Honors, AP Precalculus*
Accelerated Math (Option 2): ● I passed my Algebra I Honors course in 8th grade with an 80% or higher. ● I passed my Algebra I EOC at "Masters Grade Level."	*Geometry Honors*	*Compacted Algebra II*	*Calculus, AP Calculus AB, AP Calculus BC, AP Statistics or Statistics OnRamps*	*Multivariable Calculus/Linear Algebra* (For students who have completed AP Calculus BC)

Algebra I

TEDS: 03100500 ☑ **KISD:** 2003/C2003
Credit: 1
Grade: 9
Prerequisite: Grade 8 Mathematics or equivalent

This course develops students' ability to think algebraically and reason symbolically. Algebra 1 focuses on the study of linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology to model mathematical situations to solve meaningful problems. Algebra 1 serves as a foundation and a prerequisite for all subsequent math courses.

Algebra I Honors

TEDS: 03100500 ☑ **KISD:** 2013
Credit: 1
Grade: 9
Prerequisite: Grade 8 Mathematics or equivalent

There is a strong expectation that all of the students in an Honors math program are preparing for Advanced Placement math courses. Algebra I Honors includes all Algebra I standards with added rigor and depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Algebra 1 serves as a foundation and a prerequisite for all subsequent math courses.

Algebraic Reasoning

TEDS: 03102540 **KISD:** 2424/C2424
Credit: 1
Grade: 10-12
Prerequisite: Algebra I

In Algebraic Reasoning, students will continue to develop algebraic understandings and processes, deepening their foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data.

Geometry

TEDS: 03100700 ☑ **KISD:** 2213/C2213
Credit: 1
Grade: 9-12
Prerequisite: Algebra I

Geometry consists of the study of geometric figures and the relationships among them. Students will extend their previous studies to focus on more precise terminology, symbolic representations, and the development of proofs around geometric properties and relationships. They will explore concepts covering two- and three-dimensional figures, coordinate and transformational geometry, logical argument and constructions, similarity, congruence, trigonometry, circles, and probability. Students will use a variety of tools, including technology, to solve meaningful problems and demonstrate new understandings.

Geometry Honors

TEDS: 03100700 ☑ **KISD:** 2223
Credit: 1
Grade: 9-12
Prerequisite: Algebra I

There is a strong expectation that all students in an Honors math program are preparing for Advanced Placement math courses. Geometry Honors includes all Geometry standards with added rigor and depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Students who choose to accelerate their math coursework may concurrently take Algebra II Honors and Geometry Honors.

Math Models with Applications

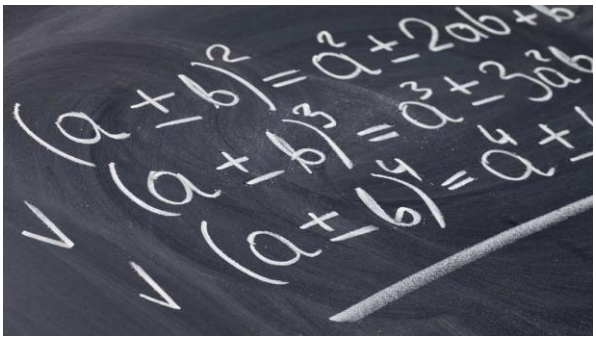
TEDS: 03102400 **KISD:** 2123/C2123
Credit: 1
Grade: 10-12
Prerequisite: Algebra I

Mathematical Models with Applications is designed to build on the knowledge and skills from Algebra I. This mathematics course provides a path for students to succeed in Algebra II and prepares them for various post-secondary choices. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems. This course is offered only at The Keller Compass Center.

Algebra II

TEDS: 03100600 ☑ **KISD:** 2043/C2043
Credit: 1
Grade: 10-12
Prerequisite: Algebra I

In Algebra II, students will broaden their understanding of linear, quadratic, and exponential functions and will explore additional functional relationships, including logarithmic, square root, cubic, absolute value, and rational functions. Students will learn to combine functions, find their inverses, and connect them to real-world situations. Students will also graph functions with and without technology and will discuss the attributes of the graphs. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.



Algebra II Honors

TEDS: 03100600 ☑ **KISD:** 2033
Credit: 1
Grade: 10-12
Prerequisite: Algebra I

There is a strong expectation that all of the students in an Honors math program are preparing for Advanced Placement math courses. Algebra II Honors includes all Algebra II standards with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Algebra II Honors is designed to prepare students who will be taking AP Calculus or AP Statistics in their 11th or 12th grade year of high school.

Dual College Algebra: UT OnRamps

TEDS: 03100600 ☑ **KISD Cohort 2023, 2024:** 2318
Credit: 1 **KISD Cohort 2025+:** 23186
Grade: 10-12
Prerequisite: Algebra I and Geometry

In this dual enrollment course, students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: linear, absolute value, quadratic, polynomial, radical, rational, exponential, and logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers. The pedagogy of the course, inquiry-based learning, encourages students to take an active role in the construction of their learning. Students will experience a high-quality curriculum designed by the faculty at The University of Texas at Austin and delivered by Keller ISD teachers. Students can earn three hours of UT credit, with feedback and assessment provided by UT course staff. This course meets the Algebra II requirement for Distinguished Level of Achievement. *This course receives AP weight for the class of 2025 and beyond.*

Sheltered Math I-IV

TEDS: 03100500 Algebra I ☑ **KISD:** 2025
TEDS: 03100700 Geometry ☑ **KISD:** 2026
TEDS: 03100600 Algebra II ☑ **KISD:** 2027
TEDS: 03102540 Algebraic Reasoning **KISD:** 2028
Credit: 1
Grade: 9-12
Required prerequisite: Placement test and/or LPAC recommendation

Enrollment is limited to Emergent Bilingual students indicated as English learners in 9th-12th grades. Placement in Sheltered Math I-IV will be determined through language proficiency tests and LPAC recommendations. Sheltered Math courses align with the state and district requirements for Math I-IV. Sheltered classes may substitute for the required Math credits.

Precalculus

TEDS: 03101100 ☑ **KISD:** 2303
Credit: 1
Grade: 10-12
Prerequisite: Algebra I, Geometry, and Algebra II

Precalculus is the preparation for calculus. The study of precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. In this course, students study multiple representations of functions, including polynomial, rational, power (including radical), exponential, logarithmic, trigonometric, and piecewise defined functions. They also analyze the characteristics and behaviors of these functions. Additional topics in precalculus include conic sections and their properties, parametric representations, sequences and series, and vectors.

Precalculus Honors

TEDS: 03101100 ☑ **KISD:** 2313
Credit: 1
Grade: 10-12
Prerequisite: Algebra I, Geometry, and Algebra II

There is a strong expectation that all of the students in an Honors math program are preparing for Advanced Placement math courses. Precalculus Honors is designed to prepare students who will be taking AP Calculus or AP Statistics in their 11th or 12th grade year of high school. Precalculus Honors includes all Precalculus standards with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work.

AP Precalculus

TEDS: ☑ **KISD:** 2323
Credit: 1
Grade: 10-12
Prerequisite: Algebra I, Geometry, Algebra II

AP Precalculus prepares students for AP Calculus AB and BC. The skills learned in this course are also foundational for college pathways and careers in math, physics, biology, health science, social science, and data science. This course is comprised of four overarching units: (1) Polynomial and Rational Functions (2) Exponential and Logarithmic Functions (3) Trigonometric and Polar Functions (4) Functions involving Parameters, Vectors, and Matrices. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual Precalculus: UT OnRamps

TEDS: 03101100 ☑ **KISD Cohort 2023, 2024:** 2314
Credit: 1 **KISD Cohort 2025+:** 23146
Grade: 10-12
Prerequisite: Algebra I, Geometry, and Algebra II

In this dual enrollment course, students will deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so they can successfully work with the concepts in a rigorous university-level Calculus course. This course is designed to challenge students, with an emphasis on unpacking mathematical definitions and making logical arguments. The course is divided into seven units; each unit consists of a series of explorations designed to engage students and empower them to develop their problem-solving skills. In each exploration students will create connections with prior concepts in developing the current topic. Students will experience a high-quality curriculum designed by the faculty at The University of Texas at Austin and delivered by Keller ISD teachers. Students can earn three hours of UT credit, with feedback and assessment provided by UT course staff. *This course receives AP weight for the class of 2025 and beyond.*

Advanced Quantitative Reasoning

TEDS: 03102510 ☑ **KISD:** 2423
Credit: 1
Grade: 10-12
Prerequisite: Algebra I, Geometry, and Algebra II

In Advanced Quantitative Reasoning, students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics. No additional grade points are awarded for this course.

Calculus

TEDS: 03102500 ☑ **KISD:** 2322
Credit: 1
Grade: 11-12
Recommended prerequisite: Precalculus

Calculus is designed for college bound students who have taken on level Precalculus. Topics include elementary functions, limits, differential calculus and integral calculus. Applications include problems from business, economics, life sciences and social sciences. Students will also review many college algebra skills to help prepare them for college math placement tests.

AP Calculus AB

TEDS: A3100101 ☑ **KISD:** 2333
Credit: 1
Grade: 11-12
Recommended prerequisite: Precalculus

This course prepares students for the College Board AP Calculus AB Exam for possible college credit (1st semester calculus). In AP Calculus AB, students cultivate their understanding of differential and integral calculus by engaging with real-world applications represented graphically, numerically, analytically, and verbally, and by using definitions and theorems to build arguments and justify conclusions. Calculus AB topics include functions, graphs and limits; derivatives; and integrals. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Calculus BC*

TEDS: A3100102 ☑ **KISD:** 2343
Credit: 1
Grade: 11-12
Recommended prerequisite: AP Calculus AB

This course prepares students for the College Board AP Calculus BC Exam for possible college credit (1st and 2nd semester Calculus). Students explore all topics covered in AP Calculus AB along with additional topics such as parametric, polar, and vector functions and derivatives, polynomial approximations, and series. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

***AP Calculus AB and BC are traditionally double-blocked on the high school campuses to support advanced level students and their individualized schedules. **KISD:** 2341

Multivariable Calculus

TEDS: N1110018 ☑ **KISD:** 2463
Credit: .5
Grade: 11-12
Prerequisite: AP Calculus BC

Multivariable Calculus extends concepts learned in single variable calculus to multiple dimensions. Topics discussed include: vector algebra; equations of lines, planes, and surfaces in space; converting between rectangular, cylindrical, and spherical coordinates; continuity, differentiation, and integration of vector-valued functions; application of vector-valued functions; continuity, limits, and derivatives of multivariable functions, tangent planes and normal lines of surfaces; applying double and triple integrals to multivariable functions. This course counts as a ½ credit and is to be taken the first semester with Linear Algebra being the second semester course. AP Calculus BC is the prerequisite. **This course is an Elective Credit and will not count as an Advanced Math Course.**

Linear Algebra

TEDS: N1110021 ☑ **KISD:** 2473
Credit: .5
Grade: 11-12
Prerequisite: Multivariable Calculus

Students are introduced to linear algebra with an emphasis on the computational and geometrical aspects of the subject. This course begins with vectors and matrices and progresses to systems of linear equations before becoming acquainted with vector spaces and linear transformations. This course counts as a ½ credit and is to be taken second semester following Multivariable Calculus in the first semester. Multivariable Calculus is the prerequisite. **This course is an Elective Credit and will not count as an Advanced Math Course.**

Statistics

TEDS: 03102530 ☑ **KISD:** 2417
Credit: 1
Grade: 10-12
Prerequisite: Algebra I

Statistics allows students to build upon and apply their critical thinking skills through the analysis of data and data patterns. In this course students broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations.

AP Statistics

TEDS: A3100200 ☑ **KISD:** 2403
Credit: 1
Grade: 10-12
Recommended prerequisite: Geometry and Algebra II

This course prepares students for the College Board AP Statistics Exam for possible college credit (1 semester, non-Calculus based Statistics). AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. **AP students prepare to take the Advanced Placement Exam in for possible college credit.**

Dual Statistics: UT OnRamps

TEDS: 03102530 ☑ **KISD Cohort 2023, 2024:** 2414
Credit: 1 **KISD Cohort 2025+:** 24146
Grade: 11-12
Recommended prerequisite: Geometry and Algebra II

OnRamps Statistics is a dual-enrollment data analysis course for high school juniors and seniors seeking to develop the quantitative reasoning skills and habits of mind necessary to succeed in the higher education environment. This course will target conceptual understanding and hone highly relevant mathematical skills through scaffolded introduction to statistical methodologies, informal game play, and strategic lab exercises that engage students in hands-on analysis of real data. Valuable programming and coding skills are acquired as a means to conducting these analyses, giving students a solid foundation in data science. Team-based problem solving is highly valued, and assessments will guide students through self-reflective analyses of their own preparedness and depth of understanding. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. This course counts as 1 credit. Algebra II and Geometry are the prerequisites. *This course receives AP weight for the class of 2025 and beyond.*

AP Computer Science

TEDS: A3580110, A3580120 **KISD:** 82340
Credit: 2
Grade: 10-12
Recommended prerequisite: Computer Science I Honors

AP Computer Science A is equivalent to a first-semester, college-level course in computer science and is a continuation of Computer Science I. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. This course will strengthen the skills developed in Computer Science I. It involves more detailed programming using records, set, stacks, pointers, and recursion. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.** This course counts as a **math** credit. This course may also count as a **LOTE** credit. Students earn 2 credits for this course, but the course is taught in 1 class period. Class is taught at the Keller Center for Advanced Learning.

Applied Mathematics for Technical Professionals

TEDS: 12701410 **KISD:** 84013
Credit: 1
Grade: 11-12

When possible, students will apply mathematics to problems arising in everyday life, society, and the workplace. Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, paper and pencil, and technology and techniques such as mental math, estimation, and number sense to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language. Students will use mathematical relationships to generate solutions and make connections and predictions. Students will analyze mathematical relationships to connect and communicate mathematical ideas. Students will display, explain, or justify mathematical ideas and arguments using precise mathematical language in written or oral communication. This course counts for a math credit.

Algebra II Compacted Honors

TEDS: 03100600, 03101100 ☑ **KISD:** 25430
Credit: 1
Grade: 10-12
Prerequisite: Algebra I and Geometry

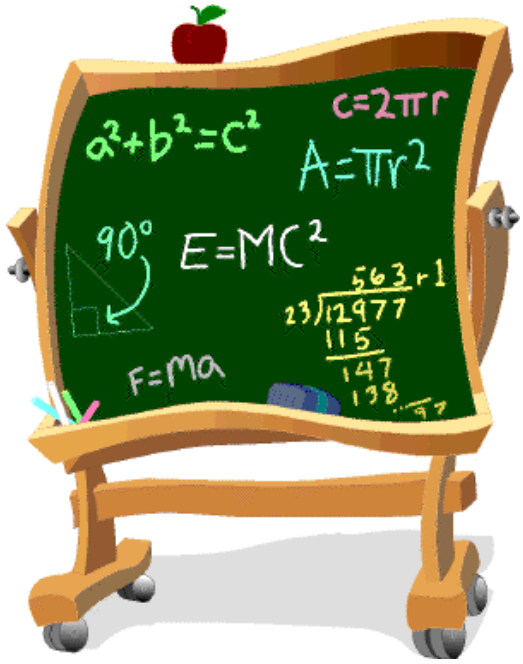
The purpose of this course is to prepare students to take AP Calculus AB the following year. All Algebra II topics will be covered In this course, along with those precalculus topics that are foundational to AP Calculus AB. Only students who are planning on enrolling in AP Calculus AB the following year should consider enrolling in this course. This course does not prepare students for AP Calculus BC. Students will receive credit only for Algebra II. **Precalculus credit will not be awarded** for this course, as not all precalculus standards will be covered.

College Preparatory Math

TCC TSI Course

TEDS: CP111200 **KISD:** 2376
Credit: 1
Grade: 12
Recommended prerequisite: Students who have not met a College Readiness indicator as identified by House Bill 5.

The goal of this course is to support students in meeting TSI requirements for math. Successful completion of this course will aid in a student's readiness for college and career coursework. Topics include number sense, solving linear, quadratic, polynomial, radical, rational, and absolute value equations. Students will also review functions studied in previous courses, including linear, quadratic, and exponential. Students will take the TSI at the conclusion of this course.



Basic Algebra I

TEDS: 03100500 **KISD:** M2003
Credit: 1
Grade: 9
Recommended prerequisite: ARD Decision

Algebra I Modified is designed for students to learn the skills and application of Algebra I through modified and accommodated curriculum. Algebra I Modified students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others.

Basic Algebraic Reasoning

TEDS: 03102540 **KISD:** M2424
Credit: 1
Grade: 10-12
Prerequisite: Algebra I and ARD Decision

This course meets the individual learning requirements of students by focusing on the Recommended Prerequisite skills for the grade level Algebraic Reasoning TEKS. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students. This course will continue building knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understands and processes and deepen the foundation for students in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Student will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

Basic Geometry

TEDS: 03100700 **KISD:** M2213
Credit: 1
Grade: 10
Recommended prerequisite: ARD Decision

Geometry Modified is designed for students to learn the skills and application of geometry through modified and accommodated curriculum. Students develop the facility with a broad range of ways of representing geometric ideas that allow multiple approaches to geometric problems that connect geometric interpretations to other contexts.

Basic Math Models with Applications

TEDS: 03102400 **KISD:** M2123
Credit: 1
Grade: 11
Recommended prerequisite: ARD Decision

Math Models with Applications Modified is designed for students to continue to build on the K-8 and Algebra I Modified foundations as they expand their understanding through other mathematical experiences. Through the use of modified and accommodated curriculum, students use mathematical methods to model and solve real-life application problems involving money, date, chance, patterns, music, design, and science. Students use a variety of representations, tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems.

Basic Algebra II

TEDS: 03100600 **KISD:** M2043
Credit: 1
Grade: 12
Recommended prerequisite: ARD Decision

Algebra II Modified is designed for students to build on Algebra I Modified and Geometry Modified experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Through the use of modified and accommodated curriculum, students will be provided insights into mathematical abstraction and structure though the content strands. Connection will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.

Fundamentals of Algebra I

TEDS: 03100507 **KISD:** T2003
Credit: 1
Grade: 9
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Algebra I TEKS. Algebra I Alternate students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others. Students learn to combine functions, express functions in equivalent forms, compose functions and find inverses where possible. Algebra I Alternate will provide students with insights into mathematical abstraction and structure through the content strands Foundations for Functions, Linear Functions, and Quadratics and other Non-Linear Functions. It is extremely important for students to learn Algebra I standards in depth, as it is a foundation for other math courses.

Fundamentals of Geometry

TEDS: 03100700 **KISD:** T2213
Credit: 1
Grade: 10
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Geometry TEKS. High school students develop facility with a broad range of ways of representing geometric ideas, including coordinates, networks, transformations, that will allow multiple approaches to geometric problems and that connect geo-matric interpretations to other contexts. Students learn to recognize connections among different representations, thus enabling them to use these representations flexibly. Students will expand their understanding through other mathematical experiences through the Geometry content strands of Geometric Structure, Geometric Patterns, Dimensionality and the Geometry of Location, Congruence and the Geometry of Size, and Similarity and the Geometry of Shape.

Fundamentals of Math Models with Applications

TEDS: 03102400 **KISD:** T2123
Credit: 1
Grade: 11
Recommended prerequisite: ARD Decision

Math Models with Applications Modified is designed for students to continue to build on the K-8 and Algebra II Alternate foundations as they expand their understanding through other mathematical experiences. Through the use of modified and accommodated curriculum, students use mathematical methods to model and solve real-life application problems involving money, date, chance, patterns, music, design, and science. Students use a variety of representations, tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems.

Fundamentals of Algebra II

TEDS: 03100600 **KISD:** T2043
Credit: 1
Grade: 12
Recommended prerequisite: ARD Decision

Algebra II Alternate is designed for students to build on Algebra 1 Alternate and Geometry Alternate experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Through the use of modified and accommodated curriculum, students will be provided insights into mathematical abstraction and structure though the content strands. Connection will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.

Mathematics – Intervention

Students are placed into these courses as needed by the campus administrator.

(2132) Strategic Learning for High School Math I

(This will count as 1 elective credit only)

Course Goal: To support students in meeting individual math goals necessary in achieving academic success; to support students in meeting Algebra I EOC requirements.

Targeted students: Incoming freshmen who did not meet satisfactory performance on the 8th grade STAAR Math Assessment, through multiple administrations.

Additional indicators: Unsatisfactory performance through a history of STAAR math assessments.

(2142) Strategic Learning for High School Math II

(This will count as local credit only)

Course Goal: To support students in meeting individual math goals necessary in achieving academic success; to support students in meeting Algebra I EOC requirements.

Targeted students: Incoming sophomores who have not met satisfactory performance on the Algebra I EOC Assessment, through multiple administrations.

Additional indicators: Unsatisfactory performance through a history of STAAR math assessments and on the Algebra I EOC Assessment.

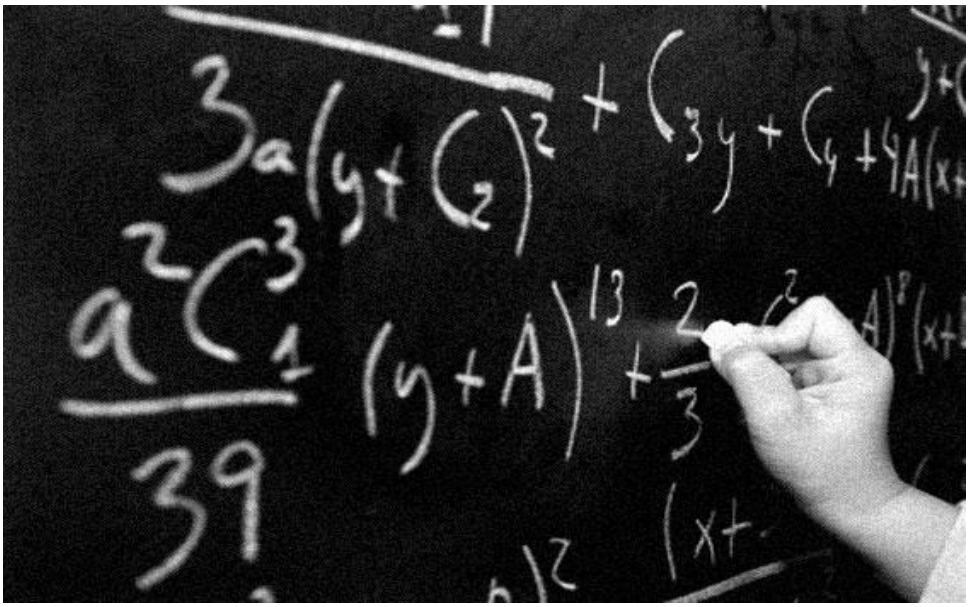
Mathematics – College and Career Readiness Intervention

(TCC-TSI Course)

(2376) College Preparatory Math (1 Credit)

Course Goal: The goal of this course is to support students in meeting TSI requirements for math.

Targeted students: Students who have not met a College Readiness indicator as identified by House Bill 5.



Science

Course Name	Credits	Grade Levels	Prerequisites
Integrated Physics and Chemistry	1	9-10	None
Biology	1	9-11	None
Biology Honors	1	9-11	None
Chemistry	1	10-12	*Required:* One science and Algebra I *Recommended:* 2nd year math credit or co-requisite
Chemistry Honors	1	10-12	*Required:* One science and Algebra I *Recommended:* 2nd year math credit or co-requisite
Physics	1	9-12	Algebra I
Physics Honors	1	9-12	Algebra I
Sheltered Science: IPC, Biology, Chemistry, Physics	1	9-12	*Required:* Placement Test and/or LPAC recommendation
Engineering Science	1	10-12	*Recommended:* Introduction to Engineering Design, Algebra I, and Biology
Advanced Science Courses			
AP Biology	1	10-12	*Recommended*: Biology and Chemistry
AP Chemistry	1	11-12	*Recommended*: Chemistry and Algebra II
Dual Chemistry: UT OnRamps	1	10-12	Algebra I
AP Physics I	1	10-12	*Recommended*: Algebra I and Geometry C*orequisite:* Algebra II
Dual Physics: UT OnRamps	1	10-12	*Required:* Algebra I and Geometry *Recommended:* Algebra II and Precalculus
AP Physics II	1	11-12	*Recommended*: Physics and concurrent Precalculus
AP Physics C: Electricity and Magnetism	1	11-12	Physics and concurrent Calculus
AP Physics C: Mechanics	1	11-12	Physics and concurrent Calculus
AP Environmental Science	1	11-12	*Recommended*: Biology, physical science, and Algebra I
Advanced Animal Science	1	11-12	Algebra I, Geometry, Biology, Chemistry or IPC, Veterinary Medical Applications
Advanced Animal Science Honors	1	11-12	Algebra I, Geometry, Biology, Chemistry or IPC, Veterinary Medical Applications
Anatomy and Physiology	1	10-12	Biology and second science credit
Anatomy and Physiology Honors	1	10-12	Biology and second science credit
Aquatic Science	1	10-12	*Required:* Biology *Recommended:* Chemistry or concurrent enrollment
Astronomy	1	11-12	One credit of science
Environmental Systems	1	11-12	Biology and one credit of a physical science
Earth Systems Science	1	11-12	3 credits of science and 3 credits of mathematics (two of which may be taken concurrently)

Engineering Design and Problem Solving	1	12	3 credits of Engineering courses
Forensic Science	1	11-12	Biology, Chemistry
Forensic Science Honors	1	11-12	Biology, Chemistry
Medical Microbiology	1	11-12	Biology and Chemistry
Medical Microbiology Honors	1	11-12	Biology and Chemistry
Pathophysiology	1	11-12	Biology and Chemistry
Pathophysiology Honors	1	11-12	Biology and Chemistry
Scientific Research & Design: Unmanned Aerial Vehicles	1	11-12	Engineering Science
Scientific Research & Design: Veterinary Clinical Skills	1	11-12	Principles of Agriculture, Food, and Natural Resources; Biology, Chemistry, IPC, or Physics
Scientific Research & Design: Veterinary Clinical Skills Honors	1	11-12	Principles of Agriculture, Food, and Natural Resources; Biology, Chemistry, IPC, or Physics
Elective Credit Only			
Organic Chemistry	1	11-12	AP Chemistry

Italicized courses in the chart above are to be taken as part of a CTE pathway only**

Special Education Science Courses			
Basic Integrated Physics and Chemistry	1	9	ARD Decision
Basic Biology	1	10	ARD Decision
Basic Chemistry	1	11	ARD Decision
Basic Aquatic Science	1	10-12	ARD Decision
Basic Principles of Technology	1	10-12	ARD Decision
Fundamentals of Integrated Physics and Chemistry	1	9	ARD Decision
Fundamentals of Biology	1	10	ARD Decision
Fundamentals of Chemistry	1	11	ARD Decision
Fundamentals of Earth Systems Science	1	11-12	ARD Decision

Recommended Science Sequence				
	9th Grade	10th Grade	11th Grade	12th Grade
4 Credits	Biology or Biology Honors	Physical Science **See Appendix A*	3rd Science **See Appendix A*	4th Science **See Appendix A*

Integrated Physics and Chemistry

TEDS: 03060201 ☑ **KISD:** 3003/C3003
Credit: 1
Grade: 9-10
Prerequisite: None

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry with the following topics: force, motion, energy, and matter.

Biology

TEDS: 03010200 ☑ **KISD:** 3103/C3103
Credit: 1
Grade: 9-10
Prerequisite: None

Biology is a course designed around the study of living things. Students will study a variety of topics that include: structures and functions of cells and viruses, growth and development of organisms, cells, tissues and organs, nucleic acids and genetics, biological evolution, taxonomy, metabolism and energy transfers in living organisms, living systems, homeostasis, ecosystems and the environment. **This course is offered in the traditional classroom and online through the Keller ISD Virtual Learning program.**

Biology Honors

TEDS: 03010200 ☑ **KISD:** 3113
Credit: 1
Grade: 9-10
Prerequisite: None

Biology Honors is a comprehensive study of biology, ecology, evolution, biochemical pathways, organic and biochemistry, cell biology, genetics, molecular biology, taxonomy, homeostasis and human body systems (immune, lymphatic, digestive, and circulatory system). Students will be expected to show commitment to Honors curriculum and be motivated to utilize higher level thinking skills. The course will include a more in-depth study of biological concepts. Honors students should expect to continue in the AP program with a goal of taking the AP test.

AP Biology

TEDS: A3010200 ☑ **KISD:** 3123
Credit: 1
Grade: 10-12
Recommended prerequisite: Biology and Chemistry

This course is a comprehensive study of advanced biology designed to prepare students to take the AP Biology Exam. The class covers material a student would encounter in a freshman level college biology class. Special emphasis will be placed on the principles and processes of biology along with understanding the means by which biological information is collected and interpreted. The content of the course will meet College Board standards. Students planning to take the Biology AP Exam would benefit by enrolling in Anatomy and Physiology also. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Chemistry

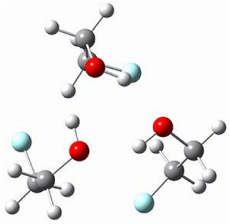
TEDS: 03040000 ☑ **KISD:** 3303/C3303
Credit: 1
Grade: 10-12
Prerequisite: Biology (or one science) and Algebra I

In Chemistry, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that included characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

Chemistry Honors

TEDS: 03040000 ☑ **KISD:** 3313
Credit: 1
Grade: 10-12
Prerequisite: Biology (or one science) and Algebra I

Chemistry Honors is a comprehensive study of chemistry, scientific method, lab safety, scientific measurements, properties of matter, atomic structure and its history, quantum numbers, periodic table characteristics and trends, chemical bonding, gas laws, nomenclature of compounds, moles, chemical reactions, stoichiometry, aqueous mixtures, acid/bases and neutralization reactions. The course will be lab based and students will be asked to analyze and evaluate data from lab investigation. Chemistry Honors covers additional rigorous College Board topics that require critical thinking and a higher level of math skills, such as solving equations for variables, exponential and mathematical abstraction. Students should expect a challenging college preparatory curriculum with the expectation of moving on to AP Chemistry and taking the AP test.



AP Chemistry

TEDS: A3040000 ☑ **KISD:** 3333
Credit: 1
Grade: 11-12
Recommended prerequisite: Chemistry and Algebra II

This course is a comprehensive study of advanced chemistry designed to prepare students to take the Chemistry AP Exam. The class covers most of the material a student would encounter in a freshman level college chemistry course. Special emphasis is placed on atomic structure and bonding, thermochemistry, kinetics, equilibrium and electrochemistry. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual Chemistry: UT OnRamps

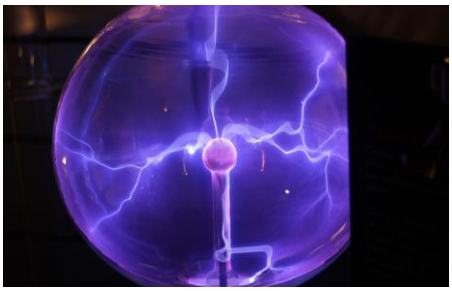
TEDS: 03040000 ☑ **KISD Cohort 2023, 2024:** 3323
Credits: 1 **KISD Cohort 2025+:** 33236
Grade: 10-12
Prerequisite: Algebra I

Principles of Chemistry I addresses the nature of matter, energy, chemical reactions, and chemical thermodynamics. The course reviews descriptive chemistry of matter in the natural world as well as compositional and reaction stoichiometry of chemical compounds. Throughout the course, students learn to think like scientists by exploring the underlying theoretical foundations of chemistry, making intuitive arguments for how the world works, and supporting those arguments with quantitative measures. Built with an intention to engage students from a variety of backgrounds, students in the course will learn how to successfully study science by organizing their learning around mastery and ownership of materials. Introduction to Chemical Practices I, the course's lab component, provides an introduction to the techniques of modern experimental chemistry, and is designed to instill basic laboratory and analytical skills. *This course receives AP weight for the class of 2025 and beyond.*

Physics

TEDS: 03050000 ☑ **KISD:** 3403
Credit: 1
Grade: 9-12
Prerequisite: Algebra I

Physics is designed to provide a laboratory-oriented approach to the study of matter and energy. Students are introduced to fundamental concepts in the areas of mechanics, light, sound, heat, electricity, magnetism, forces, energy, momentum, waves and nuclear phenomena. Student investigations emphasize accurate observations, collection of data, analysis of data, and the safe manipulation of laboratory apparatus and materials.



Physics Honors

TEDS: 03050000 ☑ **KISD:** 3413
Credit: 1
Grade: 9-12
Prerequisite: Algebra I

Physics Honors is a comprehensive study of physics that studies laws of motion, changes within physical systems, and conservation of energy and momentum; forces; thermodynamics; waves; and atomic, nuclear, and quantum physics. Physics Honors covers additional rigorous College Board topics that require critical thinking and a higher level of math skills. Students will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, and develop critical thinking skills. Students should expect a challenging college preparatory curriculum with the expectation of moving on to AP Physics and taking the AP test.

AP Physics I

TEDS: A3050003 ☑ **KISD:** 3443
Credit: 1
Grade: 10-12
Recommended prerequisite: Algebra I and Geometry
Corequisite: Algebra II

Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits.**AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual Physics: UT OnRamps

TEDS: 03050000 ☑ **KISD Cohort 2023, 2024:** 3424
Credit: 1 **KISD Cohort 2025+:** 34246
Grade: 10-12
Required prerequisite: Algebra I and Geometry
Recommended prerequisite: Algebra II and Precalculus

Mechanics, Heat, and Sound introduces big ideas in physics, such as Newtonian mechanics, which describes objects changing their state of motion because of forces causing them to accelerate. Taken together, the topics reinforce the general idea that the behavior of many objects in the world can be described precisely with simple mathematics. This is an algebra-based (non-calculus) course in mechanics that fulfills a general physics requirement. Proficiency in algebra and geometry is assumed. Students will practice problem-solving and analyzing physical situations involving motion, force, energy, rotations, heat, oscillations, waves, and sound. Students will explore concepts in small groups, develop ideas, and explain them. This course lays the groundwork for college majors including engineering, physics, chemistry, or math. This course may be used to fulfill the science component of the university core curriculum. *This course receives AP weight for the class of 2025 and beyond.*

AP Physics II

TEDS: A3050004 ☑ **KISD:** 3453
Credit: 1
Grade: 11-12
Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Precalculus

Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP

AP Physics C: Electricity and Magnetism

TEDS: A3050005 ☑ **KISD:** 3435
Credit: 1
Grade: 11-12
Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Calculus

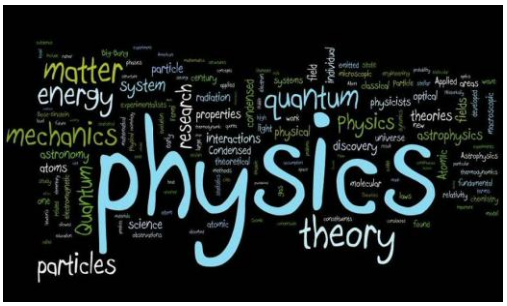
AP Physics C: Electricity and Magnetism is calculus-based, appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. The course should prepare students for successful completion of the AP Physics C Exam. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.** Class is taught at the Keller Center for Advanced Learning.

AP

AP Physics C: Mechanics

TEDS: A3050006 ☑ **KISD:** 3434
Credit: 1
Grade: 11-12
Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Calculus

AP Physics C: Mechanics is calculus-based, appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course. The course should prepare students for successful completion of the AP Physics C Exam. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**



Sheltered Science I-IV

TEDS: 03060201 IPC ☑ **KISD:** 3028
TEDS: 03010200 Biology ☑ **KISD:** 3025
TEDS: 03040000 Chemistry ☑ **KISD:** 3026
TEDS: 03050000 Physics ☑ **KISD:** 3027
Credit: 1
Grade: 9-12
Required prerequisite: Placement test and/or LPAC recommendation

Enrollment is limited to Emergent Bilingual students indicated as English learners in 9th-12th grades. Placement in Sheltered Science I-IV will be determined through language proficiency tests and LPAC recommendations. Sheltered Science courses align with the state and district requirements for Science I-IV. Sheltered classes may substitute for the required Science credits.

Anatomy and Physiology

TEDS: 13020600 ☑ **KISD:** 3203
Credit: 1
Grade: 10-12
Prerequisite: Biology and a second science credit

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Class is taught at all the main campuses and at the Keller Center for Advanced Learning.

Anatomy and Physiology Honors

TEDS: 13020600 ☑ **KISD:** 3204
Credit: 1
Grade: 10-12
Prerequisite: Biology and a second science credit

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem-solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Students will be expected to show commitment to the Honors curriculum and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study. This course receives Honors weight for the class of 2025 and beyond.

Aquatic Science

TEDS: 03030000 ☑ **KISD:** 3513/C3513
Credit: 1
Grade: 10-12
Prerequisite: Biology
Suggested: Previous or concurrent Chemistry

In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and fieldwork in this course may emphasize fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical thinking and problem-solving skills.

Astronomy

TEDS: 03060100 ☑ **KISD:** 3503
Credit: 1
Grade: 11-12
Recommended prerequisite: One credit of science

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reason for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical thinking skills.

Earth Systems Science

TEDS: 03060200 ☑ **KISD:** 3573/C3573
Credit: 1
Grade: 11-12
Prerequisite: Three credits of science, one of which may be taken concurrently; and three credits of mathematics, one of which may be taken concurrently

Earth Systems Science is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time. ESS has three strands used throughout each of the three themes: systems, energy, and relevance.

AP Environmental Science

TEDS: A3020000 ☑ **KISD:** 3543
Credit: 1
Grade: 11-12
Recommended prerequisite: Biology, physical science, Algebra I

This course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing the environmental problems. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Environmental Systems

TEDS: 03020000 ☑ **KISD:** 3533/C3533
Credit: 1
Grade: 11-12
Recommended prerequisite: Biology and a physical science

Students will conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students will study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

Forensic Science

TEDS: 13029500 ☑ **KISD:** 82420
Credit: 1
Grade: 11-12
Prerequisite: Biology and Chemistry

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. Class is taught at all the main campuses and at the Keller Center for Advanced Learning.

Forensic Science Honors

TEDS: 13029500 ☑ **KISD:** 82430
Credit: 1
Grade: 11-12
Prerequisite: Biology and Chemistry

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scenes, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Students will be expected to show commitment to the Honors curriculum and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study. This course counts as a weighted science credit and receives Honors weight for the class of 2025 and beyond.

Medical Microbiology

TEDS: 13020700 ☑ **KISD:** 81821
Credit: 1 **Honors:** 82821
Grade: 11-12
Prerequisite: Biology and Chemistry

This science elective course is designed to explore medical based microbiology. The student will discover relationships between microbes and health maintenance as well as the role of microbes in infectious diseases. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Class is taught at the Keller Center for Advanced Learning and counts for a science credit.

Pathophysiology

TEDS: 13020800 ☑ **KISD:** 81822
Credit: 1
Grade: 11-12
Prerequisite: Biology and Chemistry

In this course students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Class is taught at the Keller Center for Advanced Learning. This course counts as a science credit.

Pathophysiology Honors

TEDS: 13020800 ☑ **KISD:** 82822
Credit: 1
Grade: 11-12
Prerequisite: Biology and Chemistry

In this course, students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem-solving. Students study disease processes and how humans are affected. Emphasis is placed on the prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit. Students will be expected to show commitment to the Honors curriculum and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study of pathophysiology concepts. This course counts as a weighted science credit and receives Honors weight for the class of 2025 and beyond.

Organic Chemistry

TEDS: N1120027 **KISD:** 5825
Credit: 1
Grade: 11-12
Prerequisite: Algebra I, Chemistry, and AP Chemistry

Organic chemistry is an introductory course. The student will learn the concepts and applications of organic chemistry and be introduced to organic compounds and their properties. Topics covered include aliphatic and aromatic compounds, alcohols, aldehydes, ketones, acids, ethers, amines, spectra, and stereochemistry. The laboratory experiments will familiarize the student with the important laboratory techniques. **This course is an Elective Credit and will not count as an Advanced Science Course.**

Basic Integrated Physics and Chemistry

TEDS: 03060201 **KISD:** M3003
Credit: 1
Grade: 9-12
Recommended prerequisite: ARD decision

This course meets the requirements of students by focusing on Recommended Prerequisite skills for the grade level of Integrated Physics and Chemistry (IPC) TEKS. In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry with the following topics: force, motion, energy, and matter.

Basic Biology

TEDS: 03010200 **KISD:** M3103
Credit: 1
Grade: 9-12
Recommended prerequisite: ARD decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Biology TEKS. The course may cover cell structure and function of systems in organisms, scientific, processes and basic concept of biochemistry, genetics, microbiology, taxonomy, botany, physiology, and zoology. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Basic Chemistry

TEDS: 03040000 **KISD:** M3303
Credit: 1
Grade: 9-12
Recommended prerequisite: ARD decision

This course uses modified/ co-teach Chemistry content to meet the individual learning requirements of students. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Basic Aquatic Science

TEDS: 03030000 **KISD:** M3513
Credit: 1
Grade: 10-12
Prerequisite: Biology and ARD decision

This course meets the individual learning requirements of students by focusing on the Recommended Prerequisite skills for the grade level Algebraic Reasoning TEKS. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students. In Aquatic Science, student study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and fieldwork in the course may emphasize fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for student near the school. Student who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical thinking and problem-solving skills.

Basic Principles of Technology

TEDS: 13037100 **KISD:** M8266
Credit: 1
Grade: 10-12
Prerequisite: ARD decision

This course meets the individual learning requirements of students by focusing on the Recommended Prerequisite skills for the grade level Algebraic Reasoning TEKS. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students. In Principles of Technology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decision using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics of behavior of waves.

Fundamentals of Integrated Physics and Chemistry

TEDS: 03060201 **KISD:** T3003
Credit: 1
Grade: 9-12
Recommended prerequisite: ARD decision

This course meets the requirements of students by focusing on Recommended Prerequisite skills for the grade level of Integrated Physics and Chemistry (IPC) TEKS. In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry with the following topics: force, motion, energy, and matter.

Fundamentals of Biology

TEDS: 03010207 **KISD:** T3103
Credit: 1
Grade: 9-12
Recommended prerequisite: ARD decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Biology TEKS. The course may cover cell structure and function of systems in organisms, scientific, processes and basic concept of biochemistry, genetics, microbiology, taxonomy, botany, physiology, and zoology. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of Chemistry

TEDS: 03040000 **KISD:** T3303
Credit: 1
Grade: 9-12
Recommended prerequisite: ARD decision

This course uses alternate Chemistry content to meet the individual learning requirements of students. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of Earth Systems Science

TEDS: 03060200 **KISD:** T3573
Credit: 1
Grade: 11-12
Recommended prerequisite: Three credits of science, one of which may be taken concurrently; and three credits of mathematics, one of which may be taken concurrently; ARD decision

This course is for students who have an IEP and are accessing an alternate curriculum. Earth Systems Science is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time

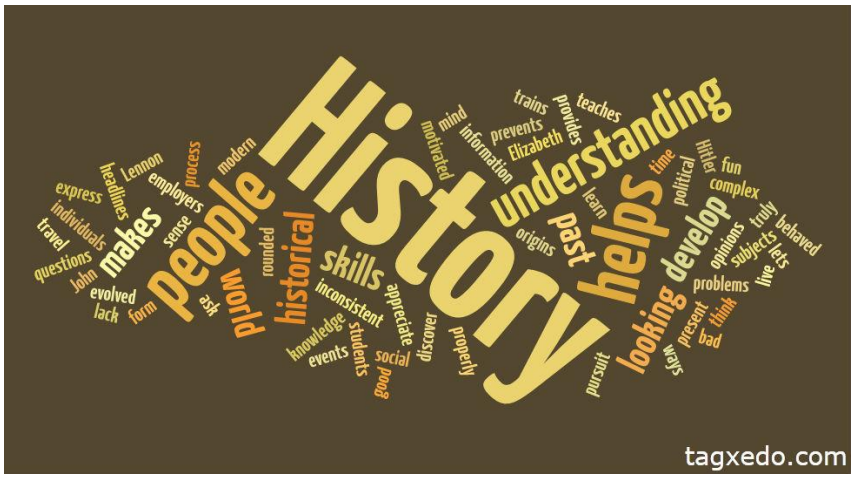
Social Studies

Course Name	Credits	Grade Levels	Recommended Prerequisites
World Geography	1	9	None
World Geography Honors	1	9	None
AP Human Geography	1	9-12	None
World History	1	10	None
AP World History	1	10	None
United States History	1	11	None
United States History Blended	1	11	None
AP United States History	1	11	None
AP United States History Blended	1	11	None
Dual United States History - TCC US History 1301 and 1302	1	11	Required TCC Admission Standards
United States Government	.5	12	None
United States Government Blended	.5	12	None
AP United States Government and Politics	.5	12	None
AP United States Government and Politics Blended	.5	12	None
Dual United States Government - TCC Government 2305	.5	12	Required TCC Admission Standards
Economics	.5	12	None
Economics Blended	.5	12	None
AP Macroeconomics	.5	12	None
AP Macroeconomics Blended	.5	12	None
Dual Principles of Economics – TCC Economics 2301	.5	12	Required TCC Admission Standards
Personal Financial Literacy & Economics (also available online)	.5	11-12	None
Sheltered Social Studies: World Geography, World History, United States History	1	9-12	*Required:* Placement Test and/or LPAC rec

Social Studies Elective Courses			
AP Comparative Government and Politics	.5	12	None
AP Microeconomics	.5	12	None
AP European History	1	11-12	None
Psychology	.5	11-12	None
AP Psychology	1	11-12	None
Sociology	.5	11-12	None
Ethnic Studies: African American Studies	1	10-12	None
Ethnic Studies: Mexican American Studies	1	10-12	None
Personal Financial Literacy	.5	10-12	None
Special Topics in Social Studies: Hebrew Scriptures	.5	9-12	None
Special Topics in Social Studies: New Testament	.5	9-12	None

Special Education Social Studies Courses			
Basic World Geography	1	9	ARD Decision
Basic World History	1	10	ARD Decision
Basic United States History	1	11	ARD Decision
Basic Government/Economics	1	12	ARD Decision
Fundamentals of World Geography	1	9	ARD Decision
Fundamentals of World History	1	10	ARD Decision
Fundamentals of United States History	1	11	ARD Decision
Fundamentals of Government/Economics	1	12	ARD Decision

Recommended Social Studies Sequence				
	9th Grade	10th Grade	11th Grade	12th Grade
4 Credits	World Geography or World Geography Honors or AP Human Geography	World History or AP World History	US History or AP US History or Dual US History	Government/ Economics or AP Government/ AP Macroeconomics or Dual Government/ Economics



World Geography

TEDS: 03320100 ☑ **KISD:** 4203/C4203
Credit: 1
Grade: 9
Recommended prerequisite: None

In World Geography Studies students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major landforms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of the world population; relationships among people, places, and environments; and the concept of region.. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions. Students will use a variety of rich primary and secondary source material such as contemporary and historic maps of various types, satellite-produced images, photographs, graphs, map sketches, and diagrams in order to understand the importance of geography.

World Geography Honors

TEDS: 03320100 ☑ **KISD:** 4223
Credit: 1
Grade: 9
Recommended prerequisite: None

World Geography Honors is designed for mastery of the Texas Essential Knowledge and Skills as well extension beyond this mastery. In this course, critical thinking and analytical skills will be utilized in various projects including interpretation of primary and secondary source materials. Students will use their knowledge of spatial relationships, systematic physical and human processes and the interaction between people and their environment to make intelligent decisions as citizens.

AP Human Geography

TEDS: A3360100 ☑ **KISD:** 4501
Credit: 1
Grade: 9-12
Recommended prerequisite: None

AP Human Geography introduces high school students to college-level introductory human geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human–environment relationships on places, regions, cultural landscapes, and patterns of interaction. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

World History

TEDS: 03340400 ☑ **KISD:** 4103/C4103
Credit: 1
Grade: 10
Recommended prerequisite: None

World History Studies is a survey of the history of humankind. The major emphasis is on the study of significant people, events, and issues from the 8000 BC to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. A variety of rich primary and secondary source material such as state papers, legal documents, charters, constitutions, biographies, autobiographies, speeches, letters, literature, music, art, and architecture will be used in order for students to understand the impact of world history.

AP World History: Modern Course

TEDS: A3370100 ☑ **KISD:** 4123
Credit: 1
Grade: 10
Recommended prerequisite: None

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

United States History

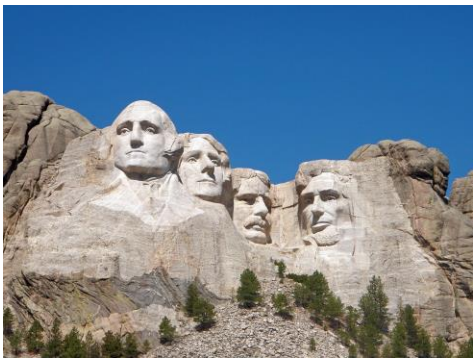
TEDS: 03340100 ☑ **KISD:** 4003/C4003
Credit: 1
Grade: 11
Recommended prerequisite: None

In United States History Studies Since 1877, students study the history of the United States from 1877 to the present. The course content is based on the founding documents of the U.S. government, which provide a framework for its heritage. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and popular culture and the times during which they were created. Students use critical-thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context.

AP United States History

TEDS: A3340100 ☑ **KISD:** 4023
Credit: 1
Grade: 11
Recommended prerequisite: None

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**



Dual United States History

TCC US History 1301 & 1302

TEDS: 03340100 ☑ **KISD:** 4004
Credit: 1
Grade: 11
Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. These classes are a survey of the social, political, economic, cultural, and intellectual history of the United States. Students must purchase the books required for TCC – United States History. Also, students must register and pay for the course through Tarrant County College.

United States Government

TEDS: 03330100 ☑ **KISD:** 4301
Credit: .5
Grade: 12
Recommended prerequisite: None

In United States Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students will explore a variety of rich primary and secondary source material such as the complete text of the U.S. Constitution, selected Federalist Papers, landmark cases of the U.S. Supreme Court, biographies, autobiographies, memoirs, speeches, letters, and periodicals that feature analyses of political issues and events.

AP United States Government and Politics

TEDS: A3330100 ☑ **KISD:** 4311
Credit: .5
Grade: 12
Recommended prerequisite: None

The AP Government and Politics is equivalent to an introductory college course in government and is taught with a college level text. The purpose of this course is to give the students an analytical perspective on government and politics in the United States through the study of general concepts used to interpret and the analysis of specific examples. The major areas of study include: constitutional underpinning of the United States government; political beliefs and behaviors; political parties; interest groups and mass media; institutions of national government; public policy; and civil rights and civil liberties. The students will be required to evaluate general propositions about these areas of study and to analyze their political relationships between people and institutions using sustained written arguments. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual United States Government

TCC Government 2305

TEDS: 03330100 ☑ **KISD:** 4304
Credit: .5
Grade: 12
Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course teaches United States constitutional and governmental systems. Students must purchase the books required for TCC – United States Government. Also, students must register and pay for the course through Tarrant County College.

Economics

TEDS: 03310300 ☑ **KISD:** 4302
Credit: .5
Grade: 12
Recommended prerequisite: None

In Economics, the focus is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The course also incorporates instruction in personal financial literacy.

AP Macroeconomics

TEDS: A3310200 ☑ **KISD:** 4322
Credit: .5
Grade: 12
Recommended prerequisite: None

AP Macroeconomics is equivalent to an introductory college course in macroeconomics and is taught with a college level text. The purpose of AP Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income and price determination and develops students' familiarity with economic performance measures, economic growth, fluctuations of outputs and prices, money, monetary and fiscal policy and the global economy. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual Principles of Macroeconomics

TCC Principles of Macroeconomics 2301
TEDS: 03310300 ☑ **KISD:** 4332
Credit: .5
Grade: 12
Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for the highly motivated students who are prepared to take a college course in high school. This course is taught with an emphasis on the U.S. economy, the economizing problem, demand-supply theory, national income accounting, business fluctuation, fiscal policy, and monetary policy. Students must purchase books required for Principles of Macroeconomics. Also, students must register and pay for the course through Tarrant County College.

AP Microeconomics

TEDS: A3310100 ☑ **KISD:** 4312
Credit: .5
Grade: 12
Recommended prerequisite: None

The AP Microeconomics is equivalent to an introductory college course in microeconomics and is taught with a college level text. The purpose of AP Microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumer and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. The major areas of study include: basic economic concepts, the nature and functions of product markets, the theory of the firm, factor markets and efficiency, equity and the role of government. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Personal Financial Literacy and Economics

TEDS: 03380083 **KISD:** 4342
Credit: .5
Grade: 11-12
Recommended prerequisite: None

This course emphasizes an economic way of thinking that serves as a foundation for making personal financial decisions and addressing financial challenges. Students will study basic economics models of supply and demand as well as market structures and government involvement in the economy. Students will also learn the strategies of earning and saving money as well as investment and long-term planning strategies.

Sheltered Social Studies I-III

TEDS: 03320100 W. Geography ☑ **KISD:** 4125
TEDS: 03340400 W. History ☑ **KISD:** 4124
TEDS: 03340100 U.S. History ☑ **KISD:** 4126
Credit: 1
Grade: 9-11
Required prerequisite: Placement test and/or LPAC recommendation

Enrollment is limited to Emergent Bilingual students indicated as English learners in 9th-12th grades. Placement in Sheltered Social Studies I-III will be determined through language proficiency tests and LPAC recommendations. Sheltered Social Studies courses align with the state and district requirements for Social Studies I-III. Sheltered classes may substitute for the required Social Studies credits.

AP Comparative Government and Politics

TEDS: A3330200 ☑ **KISD:** 4321
Credit: .5
Grade: 12
Recommended prerequisite: None

The AP Comparative Government and Politics is equivalent to an introductory college course in comparative government and is taught with a college level text. This course is an in-depth study of selected world governments. Emphasis will be placed on the assessment and understanding of the relationship between the sources of public authority and political power, society and politics, citizens and state as well as the political framework and political changes in nation-states. Both utopian and actual systems and concepts will be investigated, analyzed, and evaluated through detailed comparisons. A Special Topics class may be encouraged. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP European History ☑

TEDS: A3340200 **KISD:** 4503
Credit: 1
Grade: 11-12
Recommended prerequisite: None

AP European History is designed to be the equivalent of an introductory college or university survey of modern European history. Students will investigate significant events, individuals, developments and processes from approximately 1450 to the present. Students will develop and use the same skills employed by historians including analyzing primary and secondary sources as well as developing historical arguments. The course will focus on seven themes that will enable students to make connections among historical developments throughout different times and places. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Psychology

TEDS: 03350100 ☑ **KISD:** 4402
Credit: .5
Grade: 11-12
Recommended prerequisite: None

Psychology gives students the opportunity to study individual and group psychology. Students learn how the knowledge, methods and theories of psychologists are applied to analyzing human behavior. Course content is organized to help students develop critical attitudes toward superficial generalization about human behavior and to achieve a better understanding of human behavior in general.

AP Psychology

TEDS: A3350100 / 03380001 ☑ **KISD:** 4404
Credit: 1
Grade: 11-12
Recommended prerequisite: None

AP Psychology is equivalent to an introductory college course in Psychology. The purpose of this class is to introduce students to the systematic and scientific study of the behavior of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the minor subfields within psychology. They also learn about the methods psychologists use in their science and practice. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Sociology

TEDS: 03370100 ☑ **KISD:** 4401
Credit: .5
Grade: 11-12
Recommended prerequisite: None

Sociology includes the nature of sociology, culture, socialization, groups, institutions, communication, and cultural development and change. The concepts will remain constant; however, the content may vary depending on the student interest. The student will have an opportunity to explore the major tools of the science of sociology. These will include, but are not limited to, analyzing types of groups and interaction among groups, understanding the impact of media on groups and analyzing the impact science and technology upon people and culture.

Ethnic Studies: African American Studies

TEDS: 03380085 **KISD:** 4305
Credit: 1
Grade: 10-12

In Ethnic Studies: African American Studies, an elective course, students learn about the history and cultural contributions of African Americans. This course is designed to assist students in understanding issues and events from multiple perspectives. This course develops an understanding of the historical roots of African American culture, especially as it pertains to social, economic, and political interactions within the broader context of United States history. It requires an analysis of important ideas, social and cultural values, beliefs, and traditions. To support the teaching of the essential knowledge and skills, the use of a variety of rich primary and secondary source material such as biographies, autobiographies, landmark cases of the U.S. Supreme Court, novels, speeches, letters, diaries, poetry, songs, and artwork is encouraged.

Ethnic Studies: Mexican American Studies

TEDS: 03380084 **KISD:** 6014
Credit: 1
Grade: 10-12
Recommended prerequisite: None

In Ethnic Studies: Mexican American Studies, an elective course, students learn about the history and cultural contributions of Mexican Americans. Students explore history and culture from an interdisciplinary perspective. The course emphasizes events in the 20th and 21st centuries, but students will also engage with events prior to the 20th century.

Personal Financial Literacy

TEDS: 03380082 **KISD:** 4504
Credit: .5
Grade: 10-12
Recommended prerequisite: None

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. The knowledge gained in this course has far-reaching effects for students personally as well as the economy as a whole. When citizens make wise financial decisions, they gain opportunities to invest in themselves, build businesses, consume goods and services in a responsible way, and secure a future without depending on outside assistance. The economy benefits from the optimal use of resources, increased consumption, and strong local businesses. State and local governments benefit with steady revenue streams and reduced future obligations as our society ages.

Special Topics in Social Studies: Hebrew Scriptures

TEDS: 03380052 **KISD:** 6050
Credit: .5
Grade: 9-12
Recommended prerequisite: None

This elective social studies course will follow federal law maintaining religious neutrality and will consider the Hebrew scripture in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding their impact on contemporary society and culture, including literature, art, music, tradition, morals, laws, history, and government. The course will be objective and academic in nature, requiring students to use their analytical abilities. It will compare religion and the history of religion for the purposes of literary and/or historical qualities.

Special Topics in Social Studies: New Testament

TEDS: 03380062 **KISD:** 6070
Credit: .5
Grade: 9-12
Recommended prerequisite: None

This elective social studies course will follow federal law maintaining religious neutrality and will consider the New Testament scripture in a secular and academic context. Students will study biblical content and narratives that are prerequisites to understanding their impact on contemporary society and culture, including literature, art, music, tradition, morals, laws, history, and government. The course will be objective and academic in nature, requiring students to use their analytical abilities. It will compare religion and the history of religion for the purposes of literary and/or historical qualities.

Basic World Geography

TEDS: 03220100 **KISD:** M4203
Credit: 1
Grade: 9
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World Geography TEKS. This course involves study of the interaction of people and cultures with their physical environment in the world's major areas: attention to the locations of natural resources, geographic boundaries, landforms, economic development, language, patterns of settlement, and the interaction of cultures and nations within the context of global development. Activities use critical thinking skills and technology resources designed to assist students in recognizing how understanding events in World Geography will influence our country and our people. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Basic World History

TEDS: 03340400 **KISD:** M4103
Credit: 1
Grade: 10
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World History TEKS. The course focuses on historical development of human society from past to present times. Emphasis placed on major events, world leaders, economic and political institutions, technological innovations, and the philosophical and religious beliefs that have shaped the modern world. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Basic United States History

TEDS: 03340100 **KISD:** M4003
Credit: 1
Grade: 11
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level U.S. History TEKS. The course focuses on U.S. history from Reconstruction to the present. Students review and evaluate major themes and events in U.S. history, leaders, economic and political institutions, technological innovations, and the philosophies that affect the United States today. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Basic Government/Economics

TEDS: 03330100 Government **KISD:** M4301
TEDS: 03310300 Economics **KISD:** M4302
Credit: .5 each
Grade: 12
Recommended prerequisite: ARD Decision

Government and Economics modified/ co-teach courses will enable the student to define their rights, privileges and responsibilities within the school, community, and employment settings. Concepts include voting, laws, and consequences of unlawful behavior, honesty, integrity, community volunteerism, rules, and regulations. Students are instructed on how to be productive and safe in a variety of community situations including employment. Students will become familiar with the basic concepts of personal responsibility related to employability and being a productive, contributing member of a business, community and/or organization. History studies will provide a survey of the history and development of our world's area and cultures with emphasis on social, cultural, economic, and political developments of the United States of America.

Fundamentals of World Geography

TEDS: 03220100 **KISD:** T4203
Credit: 1
Grade: 9
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World Geography TEKS. This course involves study of the interaction of people and cultures with their physical environment in the world's major areas: attention to the locations of natural resources, geographic boundaries, landforms, economic development, language, patterns of settlement, and the interaction of cultures and nations within the context of global development. Activities use critical thinking skills and technology resources designed to assist students in recognizing how understanding events in World Geography will influence our country and our people. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of World History

TEDS: 03340400 **KISD:** T4103
Credit: 1
Grade: 10
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level World History TEKS. The course focuses on historical development of human society from past to present times. Emphasis placed on major events, world leaders, economic and political institutions, technological innovations, and the philosophical and religious beliefs that have shaped the modern world. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of United States History

TEDS: 03340107 **KISD:** T4003
Credit: 1
Grade: 11
Recommended prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level U.S. History TEKS. The course focuses on U.S. history from Reconstruction to the present. Students review and evaluate major themes and events in U.S. history, leaders, economic and political institutions, technological innovations, and the philosophies that affect the United States today. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of Government/Economics

TEDS: 03330100 Government **KISD:** T4301
TEDS: 03310300 Economics **KISD:** T4302
Credit: .5 each
Grade: 12
Recommended prerequisite: ARD Decision

Government and Economics Alternate courses will enable the student to define their rights, privileges and responsibilities within the school, community, and employment settings. Concepts include voting, laws, and consequences of unlawful behavior, honesty, integrity, community volunteerism, rules, and regulations. Students are instructed on how to be productive and safe in a variety of community situations including employment. Students will become familiar with the basic concepts of personal responsibility related to employability and being a productive, contributing member of a business, community and/or organization. History studies will provide a survey of the history and development of our world's area and cultures with emphasis on social, cultural, economic, and political developments of the United States of America.

Languages Other Than English

Course Name	Credits	Grade Levels	Prerequisites
American Sign Language I	1	9-12	None
American Sign Language II	1	9-12	ASL I
American Sign Language III	1	10-12	ASL II
American Sign Language IV	1	12	ASL III
French I	1	9-12	None
French I Honors	1	9-12	None
French II	1	9-12	French I
French II Honors	1	9-12	French I
French III Honors	1	10-12	French II
German I	1	9-12	None
German I Honors	1	9-12	None
German II	1	9-12	German I
German II Honors	1	9-12	German I
German III Honors	1	10-12	German II
Latin I	1	9-12	None
Latin I Honors	1	9-12	None
Latin II	1	9-12	Latin I
Latin II Honors	1	9-12	Latin I
Latin III Honors	1	9-12	Latin II
Spanish I	1	9-12	None
Spanish I Honors	1	9-12	None
Spanish II	1	9-12	Spanish I
Spanish II Honors	1	9-12	Spanish I
Spanish III	1	10-12	Spanish II
Spanish III Honors	1	10-12	Spanish II
Advanced Language Courses			
AP French IV	1	11-12	French III
AP German IV	1	11-12	German III
German V	1	12	German IV
AP Latin IV	1	11-12	Latin III
AP Spanish IV	1	11-12	Spanish III
AP Spanish V	1	11-12	Spanish IV
Other Language Courses			
Computer Science I Honors	1	9-12	*Recommended:* Algebra I
AP Computer Science A	1	10-12	Computer Science I Honors
Computer Science II and III (receives AP weight)	1	11-12	AP Computer Science

American Sign Language I (ASL I)

TEDS: 03980100 ☑ **KISD:** 6403
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in ASL I. Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, and use ASL to make connections to other subject areas and to acquire information.
Students in Level I develop the ability to perform the tasks of the novice language learner. Students in ASL I are expected to reach proficiency levels as follows: interpersonal receptive, novice mid; interpersonal expressive, novice mid; interpretive receptive, novice high; and presentational expressive, novice high. Upon successful completion of this course, students are encouraged to enroll in ASL II.

American Sign Language II (ASL II)

TEDS: 03980200 ☑ **KISD:** 6413
Credit: 1
Grade: 9-12
Recommended prerequisite: ASL I

ASL II provides a fun, interactive, context- driven and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, and use ASL to make connections to other subject areas and to acquire information. Students in ASL II are expected to reach proficiency levels as follows: interpersonal receptive, novice mid; interpersonal expressive, intermediate low; interpretive receptive, intermediate low; and presentational expressive, intermediate mid. Upon successful completion of this course, students are encouraged to enroll in ASL III. **This course is not currently available at FRHS.*

American Sign Language III (ASL III)

TEDS: 03980300 ☑ **KISD:** 6423
Credit: 1
Grade: 10-12
Recommended prerequisite: ASL II

ASL III provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, and use ASL to make connections to other subject areas and to acquire information. Students in ASL III are expected to reach proficiency levels as follows: interpersonal receptive, intermediate mid; interpersonal expressive, advanced low; interpretive receptive, intermediate low; and presentational expressive, advanced low. Upon successful completion of this course, students are encouraged to enroll in ASL IV. **This course is not currently available at FRHS.*

American Sign Language IV (ASL IV)

TEDS: 03980400 ☑ **KISD:** 6424
Credit: 1
Grade: 12
Recommended prerequisite: ASL III

ASL IV provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, employ expressive and receptive skills for comprehension, and use ASL to make connections to other subject areas and to acquire information. Students in ASL IV are expected to reach proficiency levels as follows: interpersonal receptive, intermediate high; interpersonal expressive, advanced high; interpretive receptive, intermediate high; and presentational expressive, advanced high. **This course is not currently available at FRHS.*

French I

TEDS: 03410100 ☑ **KISD:** 6113
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in French I. With communication being the overarching goal, this course begins the study of the French language and culture in an interactive atmosphere. Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following: engage in direct oral and written communication with others, demonstrate an understanding of spoken and written communication, present to an audience, and make comparisons of the French language and culture with their own. Students in Level I are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French II.

French I Honors

TEDS: 03410100 ☑ **KISD:** 6103
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in French I Honors. French I Honors covers the French I curriculum, but goes into added depth with the French language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I Honors are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French II Honors.

French II

TEDS: 03410200 ☑ **KISD:** 6123
Credit: 1
Grade: 9-12
Recommended prerequisite: French I

French II provides a fun, interactive, context-driven and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French III Honors.

French II Honors

TEDS: 03410200 ☑ **KISD:** 6173
Credit: 1
Grade: 9-12
Recommended prerequisite: French I Honors

French II Honors covers the French II curriculum but goes into added depth with the French language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French III Honors.

French III Honors

TEDS: 03410300 ☑ **KISD:** 6133
Credit: 1 **Dual Credit:** 6134
Grade: 10-12
Recommended prerequisite: French II or French II Honors

Students in French III Honors will experience AP style questioning responses, and tasks with a stronger emphasis on original and creative production in the target language. Students continue to be prepped for the Advanced Placement (AP) course which provides students the opportunity to earn college credit after successful completion of the corresponding AP exam. French III Honors provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level III Honors are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French IV AP.

AP French IV

TEDS: A3410100 ☑ **KISD:** 6143
Credit: 1
Grade: 11-12
Recommended prerequisite: French III Honors

French IV AP is designed for students to explore a variety of themes driven by the College Board in the French language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Language and Culture exam. With a stronger emphasis on original and creative production in the target language, French IV AP provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High by the end of the course of study.

German I

TEDS: 03420100 ☑ **KISD:** 6213
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in German I. With communication being the overarching goal, this course begins the study of the German language and culture in an interactive atmosphere. Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following: engage in direct oral and written communication with others, demonstrate an understanding of spoken and written communication, present to an audience, and make comparisons of the German language and culture with their own. Students in Level I are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German II.

German I Honors

TEDS: 03420100 ☑ **KISD:** 6203
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in German I Honors. German I Honors covers the German I curriculum, but goes into added depth with the German language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I Honors are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German II Honors.

German II

TEDS: 03420200 ☑ **KISD:** 6223
Credit: 1
Grade: 9-12
Recommended prerequisite: German I

German II provides a fun, interactive, context-driven and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German III Honors.

German II Honors

TEDS: 03420200 ☑ **KISD:** 6273
Credit: 1
Grade: 9-12
Recommended prerequisite: German I Honors

German II Honors covers the German II curriculum but goes into added depth with the German language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German III Honors.

German III Honors

TEDS: 03420300 ☑ **KISD:** 6233
Credit: 1
Grade: 10-12
Recommended prerequisite: German II or German II Honors

Students in German III Honors will experience AP style questioning responses, and tasks with a stronger emphasis on original and creative production in the target language. Students continue to be prepped for the Advanced Placement (AP) course which provides students the opportunity to earn college credit after successful completion of the corresponding AP exam. German III Honors provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level III Honors are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German IV AP.

AP German IV

TEDS: A3420100 ☑ **KISD:** 6243
Credit: 1
Grade: 11-12
Recommended prerequisite: German III Honors

German IV AP is designed for students to explore a variety of themes driven by the College Board in the German language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Language and Culture exam. With a stronger emphasis on original and creative production in the target language, German IV AP provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication, demonstrate understanding of spoken and written communication, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High by the end of the course of study.

German V

TEDS: 03420500 ☑ **KISD:** 6263
Credit: 1
Grade: 12
Recommended prerequisite: German IV

This course builds on the skills acquired in German I, II, III, and IV. Structure and vocabulary from the previous courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading, and writing. German is spoken extensively in the classroom, and writing assignments will be based on German literature and Germanic culture. Students will gain an understanding of two basic aspects of human existence: the nature of communication and the complexity of culture. Students will become aware of multiple perspectives and means of expression, which lead to an appreciation of difference and diversity. Students in Level V are expected to reach a proficiency level of Intermediate High to Advanced Mid by the end of the course of study.

Latin I

TEDS: 03430100 ☑ **KISD:** 6303
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in Latin I. Interpretive communication is the overarching goal of classical language instruction and is supported by opportunities for interpersonal and presentational communication. Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following: express meaning on familiar topics through single words and phrases that have been memorized, read and comprehend proficiency level, culturally relevant texts, recognize components of the language such as grammar, syntax and genre, engage in direct oral communication, experience an introduction to classical culture and history. Students in Level I of classical languages are expected to reach a proficiency level of Novice High to Intermediate Low in reading, Novice Low to Novice Mid proficiency level in listening and speaking, and Novice Mid in writing by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Latin II. **This course is available in the traditional setting at FRHS only. At the other high schools, this course is available as an online course through the Keller ISD Virtual Learning program.*

Latin I Honors

TEDS: 03430100 ☑ **KISD:** 6300
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in Latin I Honors. Latin I Honors covers the Latin I curriculum, but goes into added depth with the Latin language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I of classical languages are expected to reach a proficiency level of Novice High to Intermediate Low in reading, Novice Low to Novice Mid proficiency level in listening and speaking, and Novice Mid in writing by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Latin II Honors. **This course is only available at FRHS.*

Latin II

TEDS: 03430200 ☑ **KISD:** 6313
Credit: 1
Grade: 9-12
Recommended prerequisite: Latin I

Latin II provides a fun, interactive, context-driven and engaging atmosphere through which the students will participate in a variety of activities in order to: read and comprehend proficiency level, culturally relevant texts, recognize components of the language such as grammar, syntax and genre, engage in direct oral and written communication, make comparisons and connections to their own culture through authentic resources, present information to an audience, and demonstrate understanding of spoken and written language. Students in Level II of classical languages are expected to reach a proficiency level of Intermediate Low to Intermediate Mid in reading, Novice Mid to Novice High in listening and writing, and Novice Mid in speaking. Upon successful completion of this course, students are encouraged to enroll in Latin III Honors. **This course is available in the traditional setting at FRHS only. At the other high schools, this course is available as an online course through the Keller ISD Virtual Learning program.*

Latin II Honors

TEDS: 03430200 ☑ **KISD:** 6373
Credit: 1
Grade: 9-12
Recommended prerequisite: Latin I Honors

Latin II Honors covers the Latin II curriculum but goes into added depth with the Latin language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors of classical languages are expected to reach a proficiency level of Intermediate Low to Intermediate Mid in reading, Novice Mid to Novice High in listening and writing, and Novice Mid in speaking. Upon successful completion of this course, students are encouraged to enroll in Latin III Honors. **This course is only available at FRHS.*

Latin III Honors

TEDS: 03430300 ☑ **KISD:** 6323
Credit: 1
Grade: 10-12
Recommended prerequisite: Latin II or Latin II Honors

Students in Latin III Honors will experience AP style questioning responses, and tasks. Students continue to be prepped for the Advanced Placement (AP) course which provides students the opportunity to earn college credit after successful completion of the corresponding AP exam. Latin III Honors provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: read and comprehend proficiency level, culturally relevant texts, recognize components of the language such as grammar, syntax and genre, engage in direct oral and written communication, make comparisons and connections to their own culture through authentic resources, present information to an audience, and demonstrate understanding of spoken and written language. Students in Level III Honors of classical languages are expected to reach a proficiency level of Intermediate High to Advanced Low in reading, Novice Mid to Novice High in speaking and writing, and Novice High in listening. Upon successful completion of this course, students are encouraged to enroll in Latin IV AP. **This course is only available at FRHS.*

AP Latin IV

TEDS: A3430100 ☑ **KISD:** 6333
Credit: 1
Grade: 11-12
Recommended prerequisite: Latin III Honors

Latin IV AP is designed for students to explore a variety of themes driven by the College Board in the Latin language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Latin exam. Latin IV provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: read and comprehend proficiency level, appropriate texts of prose or poetry of selected authors, recognize components of the language such as grammar, syntax and genre, engage in direct oral and written communication, make comparisons and connections to their own culture through authentic resources, present information to an audience of listeners and readers, and demonstrate understanding of spoken and written language. Students in Level IV of classical languages are expected to reach a proficiency level of Advanced Low to Advanced Mid in reading, Novice Mid to Novice High in speaking and writing, and Novice High in listening. **This course is only available at FRHS.*

Spanish I

TEDS: 03440100 ☑ **KISD:** 6013
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in Spanish I. With communication being the overarching goal, this course begins the study of the Spanish language and culture in an interactive atmosphere. Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following: engage in direct oral and written communication with others, demonstrate an understanding of spoken and written communication, present to an audience, and make comparisons of the Spanish language and culture with their own. Students in Level I are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish II.

Spanish I Honors

TEDS: 03440100 ☑ **KISD:** 6003
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in Spanish I Honors. Spanish I Honors covers the Spanish I curriculum, but goes into added depth with the Spanish language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I Honors are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish II Honors.

Spanish II

TEDS: 03440200 ☑ **KISD:** 6033
Credit: 1
Grade: 9-12
Recommended prerequisite: Spanish I

Spanish II provides a fun, interactive, context-driven and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish III.

Spanish II Honors

TEDS: 03440200 ☑ **KISD:** 6083
Credit: 1
Grade: 9-12
Recommended prerequisite: Spanish I Honors

Spanish II provides a fun, interactive, context-driven and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish III.

Spanish III

TEDS: 03440300 ☑ **KISD:** 6023
Credit: 1
Grade: 10-12
Recommended prerequisite: Spanish II

Spanish III provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written language, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level III are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students could choose to take the Spanish CLEP test offered at a nearby university to earn potential college credit dependent upon score!

Spanish III Honors

TEDS: 03440300 ☑ **KISD:** 6043
Credit: 1
Grade: 10-12
Recommended prerequisite: Spanish II Honors

Spanish III Honors covers the Spanish III curriculum but goes into added depth with the Spanish language while engaging in AP style questioning, responses, and tasks. In Spanish III Honors, there is a stronger emphasis on original and creative production in the target language. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level III Honors are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish IV AP.

AP Spanish IV

TEDS: A3440100 ☑ **KISD:** 6053
Credit: 1
Grade: 11-12
Recommended prerequisite: Spanish III Honors

Spanish IV AP is designed for students to explore a variety of themes driven by the College Board in the Spanish language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Language and Culture exam. With a stronger emphasis on original and creative production in the target language, Spanish IV AP provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication, demonstrate understanding of spoken and written language, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish V AP.

AP Spanish V

TEDS: A3440200 ☑ **KISD:** 6063
Credit: 1
Grade: 11-12
Recommended prerequisite: Spanish IV

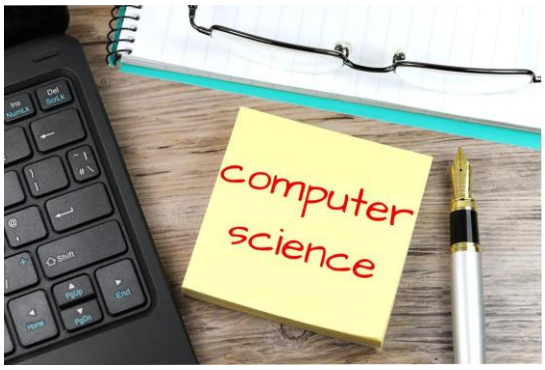
Spanish V AP is designed for students to explore, analyze, and respond to a variety of literature pieces provided by the College Board in the Spanish language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn additional college credit after successful completion of the AP Literature and Culture exam. Spanish V AP provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication, demonstrate understanding of spoken and written language, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level V are expected to reach a proficiency level of Intermediate High to Advanced Mid by the end of the course of study.

Per TEA, students may earn two LOTE (Languages Other Than English) credits by selecting from the following computer programming language courses. However, some colleges and universities may not accept these courses for LOTE credit. *Please check with your college or university to ensure admission requirements*.

Computer Science I Honors

TEDS: 03580200 **KISD:** 82301
Credit: 1
Grade: 9-12
Recommended prerequisite: Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. The purpose of this course is to continue on to AP Computer Science and prepare for the AP exam. This course may count as a **LOTE** credit. Class is taught at the Keller Center for Advanced Learning.



Computer Science II and III

TEDS: 03580300, 03580350 **KISD:** 82342
Credit: 2
Grade: 11-12
Recommended prerequisite: AP Computer Science

Computer Science II and III will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of advanced computer science data structures through the study of technology operations, systems, and concepts. Students will get to choose their focus among video game design, mobile application development, and coding. This course may also count as a **LOTE** credit. Class is taught at the Keller Center for Advanced Learning.

AP Computer Science

TEDS: A3580110, A3580120 **KISD:** 82340
Credit: 2
Grade: 10-12
Recommended prerequisite: Computer Science I Honors

AP Computer Science A is equivalent to a first-semester, college-level course in computer science and is a continuation of Computer Science I. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. This course will strengthen the skills developed in Computer Science I. It involves more detailed programming using records, set, stacks, pointers, and recursion. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.** This course counts as a **math** credit. This course may also count as a **LOTE** credit. Students earn 2 credits for this course, but the course is taught in 1 class period. Class is taught at the Keller Center for Advanced Learning.

Physical Education

Course Name	Credits	Grade Levels	Recommended Prerequisites
Lifetime Recreation and Outdoor Pursuits	1	9-12	None
Lifetime Fitness and Wellness Pursuits	.5-1	9-12	None
PE/Skill-Based Lifetime Activities	.5-1	9-12	None
Unified P.E.	1	9-12	None

Athletics

BOYS		GIRLS	
Baseball	Soccer	Basketball	Swimming
Basketball	Swimming	Cross Country	Tennis
Cross Country	Tennis	Golf	Track
Football	Track	Soccer	Volleyball
Golf	Wrestling	Softball	Wrestling
	*Off-Campus PE		*Off-Campus PE

Annual UIL physicals are required for all students participating in one or more sports.

Ninth Grade Athletics is the introduction of UIL Competition Athletics at the high school level. Our objectives are to teach the proper attitude, improve the athletic ability of each student and to use Athletics to enhance academics. Students in the class period work to become better people and athletes; and practice individual sport skills after school.
Requirements to enroll: All necessary paperwork must be completed and turned in prior to end of school in the student's eighth grade year. Paperwork **MUST** have coach's signature.

**Must receive district approval*

Physical Education Substitutions

Course Name	Credits	Grade Levels	Awarded
Band	1	9-12	Fall Semester Only
Cheerleading	4	9-12	Fall and Spring
Color guard	1	9-12	Fall and Spring
Dance I/Unified Dance	1	9-12	Fall and Spring
Drill Team	1	9-12	Fall and Spring
ROTC I	1	9-12	Fall and Spring
Musical Theatre I	1	10-12	Fall and Spring
Technical Theatre II	1	10-12	Fall and Spring
Jazz Ensemble I-IV (Show Choir)	1	9-12	Fall and Spring

Students may receive up to 1 PE Substitution credit. It is awarded in the form of a P.

Athletics

TEDS: Various **KISD:** Various
Credit: 1
Grade: 9-12
Recommended prerequisite: Approval from the coach of each sport

Athletics provide students with the opportunity to fine tune their athletic abilities and compete against students from other schools. Participation in athletics develops self-discipline, cooperation, leadership, responsibility, self-control and selflessness of participation in team sports. If approved, an annual physical examination is required before participating in any sport.

Cheerleading

Cheer 1: **TEDS:** PES00000 **KISD:** 52201
Cheer 2: **TEDS:** PES00001 **KISD:** 52202
Cheer 3: **TEDS:** PES00002 **KISD:** 52203
Cheer 4: **TEDS:** PES00003 **KISD:** 52204
Credit: 1
Grade: 9-12
Recommended prerequisite: Selection by tryout

This course includes learning and practicing cheerleading skills and stunts for athletic events and training in various areas: rhythms, gymnastics, and tumbling. Students will receive one PE Substitution Credit for Cheerleading.

Lifetime Recreation and Outdoor Pursuits

TEDS: PES00053 **KISD:** 50303
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Outdoor education provides opportunity for enjoyment and challenge with emphasis upon a selection of activities that promote respect for the environment and can be enjoyed for a lifetime. Certifications may be earned in Hunters Education, Anglers Education, and Boaters Education for an extra fee.

Lifetime Fitness and Wellness Pursuits

TEDS: PES00051 **KISD:** 50401
Credit: .5-1
Grade: 9-12
Recommended prerequisite: None

The purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives – students designing their own personal fitness program.

PE/Skill-Based Lifetime Activities

TEDS: PES00056 **KISD:** 50404
Credit: .5-1
Grade: 9-12
Recommended prerequisite: None

Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course.

Health Education

TEDS: 03810100 **KISD:** 5001
Credit: .5
Grade: 9-12
Recommended prerequisite: None

Health Education enables each student to develop an understanding of the attitudes and habits that are conducive to healthful living. The Health Education class will help students develop skills that will make them health-literate adults. Students will use problem-solving, research, goal-setting, and communication skills to protect their health and that of the community. This course does *not* count towards the physical education graduation requirement.

Team Sport Officiating

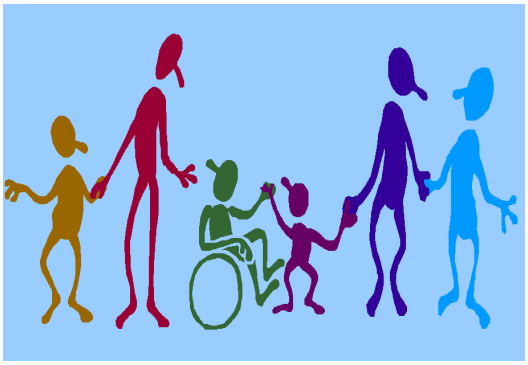
TEDS: N1160012 **KISD:** 53106
Credit: 1
Grade: 9-12

Students enrolled in the Team Sport Officiating course will learn rules and regulations of selected team sports, developing skills in the area of communication, decision-making, and conflict management, which are needed to officiate team sport competitions. They will work with coaches, players, other officials, and parents. The expectation is that students will have the ability to officiate at various levels and manage responsibilities that come with the role. Students will develop a personal fitness and injury prevention plan that directly relates to the needs of an official. Students will understand and apply time management skills required and recognize legal rights and responsibilities of an official involved with youth sports in the 21st century. Cardiopulmonary resuscitation (CPR), use of an automated external defibrillator (AED), and basic first aid skills will be taught in class. Students will be certified in CPR/AED first aid and receive an officiating certificate upon successful completion of course. This course does *not* count towards the physical education graduation requirement and counts as **elective credit** only.

Unified PE

TEDS: PES00051 I **KISD:** 50405
TEDS: PES00056 II **KISD:** 50366
TEDS: PES00053 III **KISD:** 50377
Credit: 1
Grade: 9-12
Required prerequisite: Application

Unified P.E. is a success oriented physical education course for students with special needs and peer partners. This course can be taken for physical education credit or as an elective. Unified P.E. will enhance the existing academic schedule by offering a class that includes students with and without disabilities working together to encourage physical activity while developing respect for one another. This course promotes physical activity, acquisition of individual lifetime wellness skills, team sports, and recreational activities while fostering relationships and developing leadership skills in the peer partners. The goals of the Unified P.E. course are (1) to meet the physical education requirement for the students with disabilities in an environment of support and partnership, to increase their social skills, create friendships, and build self-esteem, and (2) to meet the physical education requirement for the students without disabilities, to develop leadership skills, to learn to interact and develop respect and empathy for their peers with disabilities, and to understand from first-hand experience the expectations for careers working with individuals with special needs.



21st Century Skill

Course Name	Credits	Grade Levels	Recommended Prerequisites
Professional Communications (also available online)	**.5**	**9-12**	**None**
Entrepreneurship (also available online)	**1**	**9-12**	**None**

Professional Communications

TEDS: 13009900 **KISD:** 1465
Credit: .5
Grade: 9-12
Recommended prerequisite: None

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this text, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Entrepreneurship

TEDS: 13034400 **KISD:** 82503
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit. Students earn 1 credit for this course, but the course is taught in 1 semester.

Keller ISD Endorsements

Arts & Humanities*

- English
- Fine Arts
- Social Studies
- Visual Arts
- World Languages

Business & Industry

- Agriculture
- Architecture and Construction
- Arts, A/V Technology & Communications
- Automotive
- Business Communications*
- Business Management
- Finance
- Hospitality and Tourism
- Information Technology
- Manufacturing
- Marketing

Public Services

- Health Science
- Human Services
- Law Enforcement
- Legal Studies
- Military Science*
- Teaching and Training

STEM

- Science*
- Technology
- Engineering
- Math*

Multidisciplinary

- Allows a student to select courses from the curriculum of each endorsement area and earn credits in a variety of advanced courses from multiple content areas or 4 credits of AP courses or 4 credits of Dual courses OR 4 Credits in each foundation subject area – must include English IV, Chem and/or Phys & KISD graduation requirements

- Denotes non-CTE pathways

Pathways At a Glance

Arts & Humanities *	Business & Industry	Public Services	STEM
• American Sign Language • Band • Choir • Creative Writing • Dance • French • German • History • Latin • Orchestra • Piano • Social Sciences • Spanish • Technical Theatre • Theatre Production • Visual Arts: Drawing • Visual Arts: Digital Media • Visual Arts: Painting • Visual Arts: Sculpture	• Accounting & Financial Services • Architectural Design • Automotive • Broadcast Journalism * • Business Management • Construction Technology • Culinary Arts • Debate * • Design & Multimedia Arts • Digital Communications • Electrical Technology • Fashion Design • HVAC (Heating, Ventilation & Air Conditioning) • Interior Design • Marketing • Networking Systems/Maintenance • Newspaper * • Plant Science • Plumbing Technology • Veterinary Studies • Welding • Yearbook *	• Cosmetology • Health Science: Biomedicine • Health Science: Certified Nursing Assistant • Health Science: Clinical Rotations • Health Science: Emergency Medical Technician • Health Science: Pharmacy • Health Science: Exercise Science & Sports Medicine • Law Enforcement: Police • Legal Studies • Military Science (ROTC) * • Teaching and Training	• Biology * • Chemistry * • Cybersecurity • Engineering • Environmental Science * • Math* • Physics * • Programming & Software Development • Space Science *
Multidisciplinary Studies			

***denotes non-CTE pathway(s)**

Arts and Humanities

	Program of Study	9th	10th	11th	12th
 **English**	**Creative Writing**	English I Regular or Honors 1 credit	English II Regular or Honors 1 credit	English III Regular, Dual, or AP AND Creative Writing 2 credits	English IV Regular, Dual, or AP **AND** Literary Genres **AND** Research and Technical Writing 2 credits

English I

TEDS: 03220100 ☑ **KISD:** 1003
Credit: 1
Grade: 9
Recommended prerequisite: None

English I is the foundation course designed for ninth grade students who demonstrate talent in verbal and/or writing skills. Rigorous instruction emphasizes sentence structure, paragraph development, and development of comprehensive papers of explication, personal narrative, opinion, and description. Composition practice is coordinated with guided reading of fiction, nonfiction, drama, and poetry. The course will focus on critical thinking skills, literary analysis, and development of writing styles.

English I Honors

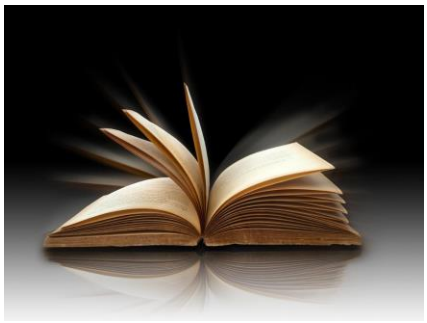
TEDS: 03220100 ☑ **KISD:** 1023
Credit: 1
Grade: 9
Recommended prerequisite: None

This course provides an in-depth study of the elements and genres of literature. Students produce a variety of original texts including documented research and literary analysis. They will also present oral communications using various forms and technologies. They analyze and critique their presentations and those of others emphasizing the purpose and effect of visuals on the audience. Students will focus on skills required for success in dual credit and on the Advanced Placement Exam.

English II

TEDS: 03220200 ☑ **KISD:** 1033
Credit: 1
Grade: 10
Recommended prerequisite: English I

English II is designed for tenth grade students. Intense instruction emphasizes sentence structure, paragraph development, and development of explication, personal narrative, opinion, and description. Composition practice is coordinated with guided reading of fiction, nonfiction, drama, and poetry. The course will focus on critical thinking skills, literary analysis, and development of writing styles. Each student will complete a research project.



English II Honors

TEDS: 03220200 ☑ **KISD:** 1053
Credit: 1
Grade: 10
Recommended prerequisite: English I

English II Honors includes advanced mechanics, syntax, usage, and vocabulary in preparation for the PSAT and Advanced Placement Exam. It continues work on critical thinking skills. Students analyze discourse in persuasive and informative texts as well as the short, documented essay. Students will also write reflectively using personal narrative and memoir. The course requires critical reading of classical, Medieval, Renaissance, and contemporary literature with emphasis on the writer's style and purpose. Literary selections provide more mature reading experiences. Students will produce a variety of oral and media communications. They will analyze and evaluate their own and others' presentations in terms of the effect of media on American society. Students will also complete a research project.

English III

TEDS: 03220300 ☑ **KISD:** 1063
Credit: 1
Grade: 11
Recommended prerequisite: English II

English III is the third year of a required four-year study. It is a Recommended Prerequisite for English IV. Instruction emphasizes all aspects of American literature. Composition work continues with expository writing. Each student must complete a research project.

AP English III

TEDS: A3220100 ☑ **KISD:** 1083
Credit: 1
Grade: 11
Recommended prerequisite: English II

AP Language and Composition emphasizes the analysis of a variety of literary and nonfiction texts with particular attention to the writer's style, diction, syntax, argumentation, and logic. Students reflect this analysis in compositions that use sophisticated syntax and vocabulary, effective use of proof, and control of the conventions of language. Emphasis is on wide reading and analytic response in timed essays in preparation for the Advanced Placement Exam in Language and Composition. A qualifying score on the AP test may enable students to be exempt from the composition class that many colleges require. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual English III

TCC English Composition 1301 & 1302
TEDS: 03220300 ☑ **KISD:** 1065
Credit: 1
Grade: 11
Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course includes principles of composition and rhetorical skills necessary for clear, logical writing. Emphasis on writing as a process and an introduction to research will be covered Students must purchase the books required for TCC – Composition I and II. Also, students must register and pay for the course through Tarrant County College.

English IV

TEDS: 03220400 ☑ **KISD:** 1093
Credit: 1
Grade: 12
Recommended prerequisite: English III

English IV is the final year of a required four-year study for the college bound student. Intense instruction emphasizes an in-depth study of British literature. Composition work continues with expository writing and argumentation. Each student must complete a senior research theme paper.

AP English IV

TEDS: A3220200 ☑ **KISD:** 1113
Credit: 1
Grade: 12
Recommended prerequisite: English III

Using college level expectations, this course emphasizes wide reading and analysis of world literature including fiction, nonfiction, and poetry. Students analyze literary elements and writer's style related to purpose, audience, and theme. Literary analysis will also be a major focus of the composition strand. Students will use proof, advanced syntax, and vocabulary in compositions written on demand and using writing process. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual English IV

TCC British Literature 2322 & 2323
TEDS: 03220400 ☑ **KISD:** 1103
Credit: 1
Grade: 12
Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course includes principles of composition and rhetorical skills necessary for clear, logical writing. Emphasis on writing as a process and an introduction to research will be covered. Selected significant works of British literature will also be studied, and may include the study of movements, schools, or periods. Students must purchase the books required for Composition I and II and British Literature I and II. Also, students must register and pay for the course through Tarrant County College.

Creative Writing

TEDS: 03221200 ☑ **KISD:** 1163
Credit: 1
Grade: 10-12
Recommended prerequisite: English II

The study of creative writing allows high school students to earn one credit while developing versatility as a writer. Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

Literary Genres

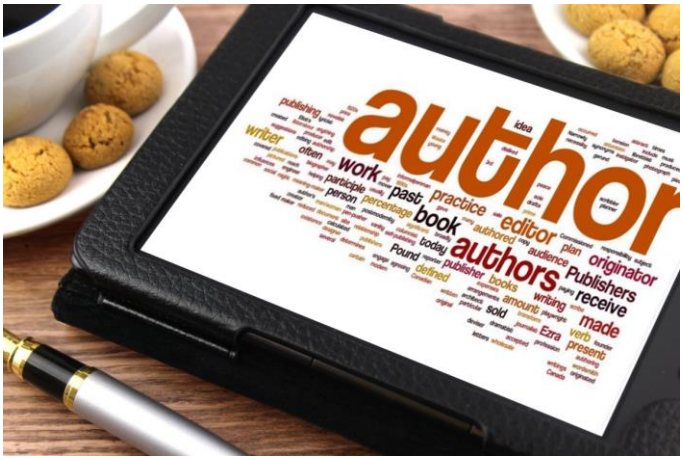
TEDS: 03221500 **KISD:** 1192
Credit: 1
Grade: 11-12
Recommended prerequisite: Creative Writing

Students enrolled in Literary Genres will spend time analyzing the fictional and poetic elements of literary texts and read to appreciate the writer's craft. High school students will discover how well-written literary texts can serve as models for their own writing. High school students respond to oral, written, and electronic texts to connect their knowledge of the world.

Research and Technical Writing

TEDS: 03221100 **KISD:** 1217
Credit: 1
Grade: 10-12
Recommended prerequisite: English I

The study of technical writing allows high school students to earn one credit while developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers.



	Program of Study	9th	10th	11th	12th
	**Choir**	Choir I 1 credit	Choir II 1 credit	Choir III 1 credit	Choir IV 1 credit
	Band	Band I 1 credit	Band II 1 credit	Band III 1 credit	Band IV 1 credit
	Orchestra	Orchestra I 1 credit	Orchestra II 1 credit	Orchestra III 1 credit	Orchestra IV 1 credit
	Piano	Piano I 1 credit	Piano II 1 Credit	Piano III 1 credit	Piano IV 1 credit
	**Dance**	Dance I 1 credit	Dance II 1 credit	Dance III 1 credit	Dance IV 1 credit

CHORAL MUSIC

Choir I-IV

TEDS: 03150900 **KISD:** 7601
TEDS: 03151000 **KISD:** 7602
TEDS: 03151100 **KISD:** 7603
TEDS: 03151200 **KISD:** 7604
Credit: 1
Grade: 9-12
Recommended prerequisite: Audition

Choir courses are divided into Varsity and Non-Varsity Choirs. Repertoire includes traditional choral music and music of all style periods and genres. Students will study vocal/choral techniques, music theory, music literacy, and music history/culture. There are several performance and audition opportunities, both individually and collectively in which the students will participate. Concert performances are required.

Music I-IV
Jazz Ensemble/Show Choir

TEDS: 03151300 I **KISD:** Various
TEDS: 03151400 II
TEDS: 03151500 III
TEDS: 03151600 IV
Credit: 1
Grade: 9-12
Required prerequisite: Concurrent enrollment in a choir course and audition

This auditioned course is dedicated to the campus Show Choir. Its students are the ambassadors of the High School Choir Program and regularly perform off-campus at various community functions. Students must be able to dance and sing. **This class can only be taken in conjunction with a current choir course.** If a student does not meet the standards to be in Choir, they would be unable to perform at the ability needed to participate in this course. Students electing to use this course towards the required PE credit for graduation will have the course coded with a "7" on the transcript to fulfill that requirement. Students may elect to use any level (I-IV) of Jazz Ensemble/Show Choir to fulfill the required PE credit, however, this can be used only once.

Music I-IV
Vocal Ensemble

TEDS: 03152100 I **KISD:** Various
TEDS: 03152200 II
TEDS: 03152300 III
TEDS: 03152400 IV
Credit: 1
Grade: 9-12
Required prerequisite: Concurrent enrollment in a choir course and audition

This class is designed for those students whose knowledge of music has reached beyond the expectations of a high school student. **This class can only be taken in conjunction with a current choir course.** If a student does not meet the standards to be in Choir, they would be unable to perform at the ability needed to participate in the Vocal Ensemble class. Materials covered in this class include but are not limited to: advanced vocal/choral methods, advanced music theory, advanced music literacy, advanced music history/culture.

INSTRUMENTAL MUSIC

Band I-IV

TEDS: 03150100 **KISD:** 7001
TEDS: 03150200 **KISD:** 7002
TEDS: 03150300 **KISD:** 7003
TEDS: 03150400 **KISD:** 7004
Grade: 9-12
Recommended prerequisite: Audition

Band courses are divided into Wind Ensemble, Symphonic Band and Concert Bands. The primary focus on each level is developing musical and technical skills that will be necessary for the student's success in any ensemble. There are several performance and audition opportunities, both individually and collectively in which the students will participate. Students are also required to enroll in band for the full school year and participate in all extracurricular activities related to the marching band. Upper-level classes will have several required performances throughout the year.

Colorguard I-IV

TEDS: 03153400 I **KISD:** 71501
TEDS: 03153500 II **KISD:** 71502
TEDS: 03153600 III **KISD:** 71503
TEDS: 03153700 IV **KISD:** 71504
Credit: 1
Grade: 9-12
Required prerequisite: Audition; previous dance experience is helpful, but not required

Students must audition to be accepted in color guard. This course deals with learning the basics of color guard performance (flag techniques, body movement, and performance skills). This is one of the many sections that make up the marching band that will perform at football games, marching contests, parades, and pep rallies. By taking this course, the student understands that they must attend all rehearsals, performances, and contests that take place outside the school day (regardless of placement). In addition, members will need to attend camps and other rehearsals that my take place during school vacations. After marching season students will participate in winter guard season, learning more comprehensive, in-depth skills while performing indoors. Students will audition for one of several ability-based winter guard groups at the end of the fall semester.

Music I-IV
Applied Music

TEDS: 03152500 I **KISD:** Various
TEDS: 03152600 II
TEDS: 03152601 III
TEDS: 03152602 IV
Credit: 1
Grade: 9-12
Required prerequisite: Concurrent enrollment in a band course and audition

This class is designed for those students with a need for a deeper knowledge of instrumental music. This course is designed to cater specifically to individual student needs. The course covers a wide range of topics including, but not limited to: individual performance, introduction to music theory, and small ensemble playing. Students from all abilities and band classes are encouraged to join. **This class can only be taken in conjunction with a current Band course.**

Jazz I-IV
Jazz Improv

TEDS: 03153000 I **KISD:** Various
TEDS: 03153100 II
TEDS: 03153200 III
TEDS: 03153300 IV
Credit: 1
Grade: 9-12
Required prerequisite: Concurrent enrollment in a band course and audition

This course is designed to offer student exposure to a variety of jazz styles through the rehearsal and performance of classical literature as well as the most current writing for jazz ensembles. The course will train students in areas such as: aural skills, chord analysis, improvisation, jazz history, and small combo playing. **This class can only be taken in conjunction with a current Band course.**

AP Music Theory

TEDS: A3150200 **KISD:** 7153
Credit: 1
Grade: 11-12
Recommended prerequisite: Strong background in music theory and concurrent enrollment in band or choir. Students who do not meet grade level requirements must get approval from course instructor.

This course requires a background in music theory as well as a familiarity with reading music. This course prepares students for college-level music theory and is designed for students who are going to major or minor in some sort of music study in college. This course will provide skills necessary to thrive in music theory at the college level such as: learning about major or minor scales, modes, intervals, chord progressions, and part-writing. This course will also cover aural skills such as: melodic dictation, music history, aural identification of intervals and chords, and error detection. The culmination of the course will be a composition project for voices or instruments. **Students enrolling in this class are expected to take the Advanced Placement Exam in May for possible college credit.**

Orchestra I-IV

TEDS: 03150500 I **KISD:** 7091
TEDS: 03150600 II **KISD:** 7092
TEDS: 03150700 III **KISD:** 7094
TEDS: 03150800 IV **KISD:** 7095
Credit: 1
Grade: 9-12
Required prerequisite: None

Orchestra is designed to train the intermediate and advanced string player in proper performance and rehearsal techniques, and to develop their potential through rehearsal and performance opportunities. Instrumental technique, history, and theory concepts are discussed and applied through the study and performance of appropriate literature. The student will develop self-discipline, responsibility, confidence, poise, the ability to work with others, and a sense of pride, as they rehearse and perform with the ensemble.

Piano I-IV

TEDS: 03154200 I **KISD:** 7163
TEDS: 03154300 II **KISD:** 7173
TEDS: 03154400 III **KISD:** 7183
TEDS: 03154500 IV **KISD:** 7193
Credit: 1
Grade: 9-12
Required prerequisite: None

This piano class is a goal driven and independently paced course. The students are to be self- motivated and to constantly strive to understand and better their individual piano abilities. This class is for beginners and experienced pianists. Prior piano lessons are not required.

DANCE

Dance I

TEDS: 03830100 **KISD:** 73001
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Dance 1 is a broad overview of dance as an art form. This course introduces students to practices, philosophies, terminologies, and various styles of dance through movement. Students will study basic choreographic elements and principles and will have the opportunity to perform. Students electing to use this course towards the required PE credit for graduation will have the course coded with a "7" on the transcript to fulfill that requirement.

Unified Dance I

TEDS: 03830100 **KISD:** 73000
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Unified Dance is a success-oriented course for students with an IEP and general education peer partners. Each general education student is uniquely matched with a student with an IEP. During the first week of class, training will be provided to prepare the students to be successful in their role. Unified Dance is focused on building independence, community, empathy, management skills, and artistic growth in a dance learning environment for students of all levels. Opportunities to explore a variety of dance areas of study may include jazz, ballet, tap, hip-hop, choreography, and the elements and principles of dance. Unified Dance emphasizes leadership skills in making connections in a partnership which may appeal to future educators, counselors, healthcare workers or career coaches and advocates. Students electing to use this course towards the required PE credit for graduation will have the course coded with a "7" on the transcript to fulfill that requirement.

Dance II

TEDS: 03830200 **KISD:** 73002
Credit: 1
Grade: 10-12
Recommended prerequisite: Dance I

Dance II is the study of dance as an art form. This course refines and reinforces the skills acquired in Dance I and familiarizes the student with practices, philosophies, terminologies, and various styles of dance with a concentration of more complex movement phrases. Students will construct dance compositions and have the opportunity to perform.

Dance III

TEDS: 03830300 **KISD:** 73003
Credit: 1
Grade: 11-12
Recommended prerequisite: Dance II

Dance III is the intermediate to advanced study of dance as an art form. This course refines and reinforces the skills acquired in previous dance courses. Dance III will have an emphasis on creating dance studies for production, managing, and performing in a dance production.

Dance IV

TEDS: 03830400 **KISD:** 73004
Credit: 1
Grade: 12
Recommended prerequisite: Dance III

Dance IV is the advanced study of dance as an art form. This course refines and reinforces the skills acquired in previous dance courses. Dance IV will have a concentration on creating original dances using choreographic processes and exploring opportunities in dance as a profession.

Jazz I/Drill Team Prep

TEDS: 03831300 **KISD:** 73100
Credit: 1
Grade: 9-11
Recommended prerequisite: Audition or teacher recommendation

This course provides students with a foundation in jazz technique which is critical to becoming a successful drill team dancer. It includes dance practices, philosophies, terminologies, and various styles of dance commonly found on drill teams. Students will also have the opportunity to practice audition skills and be provided with performance opportunities.

	Program of Study	9th	10th	11th	12th
	**Technical Theatre**	Technical Theatre I 1 credit	Technical Theatre II 1 credit	Technical Theatre III AND one additional credit below: Theatre Production I Musical Theatre I Theatre III: Directing Theatre III: Playwriting Dramaturgy Acting for the Camera 2 credits	Technical Theatre IV AND one additional credit below: Theatre Production I Theatre Production II Musical Theatre I Musical Theatre II Theatre III: Directing Theatre III: Playwriting Dramaturgy Acting for the Camera 2 credits
	Theatre Production	Theatre I 1 credit	Theatre Production I OR Theatre II OR Musical Theatre I 1 credit	Theatre Production II OR Theatre III AND one additional credit below: Acting styles: Classical Acting styles: Realism Acting styles: Improvisation Movement for the Actor Musical Theatre I Musical Theatre II Theatre III: Directing Theatre III: Playwrighting Dramaturgy Acting for the Camera 2 credits	Theatre Production III OR Theatre IV AND one additional credit below: Acting styles: Classical Acting styles: Realism Acting styles: Improvisation Movement for the Actor Musical Theatre I Musical Theatre II Musical Theatre III Theatre III: Directing Theatre III: Playwriting Dramaturgy Acting for the Camera 2 credits

THEATRE ARTS

Theatre Arts I
TEDS: 03250100 **KISD:** 7703
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Introduction to Theatre: basic acting technique, history of the Theatre, introduction to technical Theatre, voice, diction, and articulation for the stage. This course also covers basic costuming, make-up, career opportunities, and audience etiquette.

Unified Theatre Arts I
TEDS: 03250100 **KISD:** 7704
Credit: 1
Grade: 9-12
Recommended prerequisite: Application

Unified Theatre is a success-oriented course for students with an IEP and general education peer partners. Each general education student is uniquely matched with a student with an IEP. During the first week of class, training will be provided to prepare the students to be successful in their partnership role. Unified Theatre is focused on building independence, community, empathy, management skills, and artistic growth in a theatre arts learning environment for students of all levels. Opportunities to explore a variety of theatrical areas of study may include puppetry, character development, creative movement, voice, diction, costuming, make-up, and theatre history. Unified Theatre emphasizes leadership skills in making connections in a partnership which may appeal to future educators, counselors, healthcare workers or career coaches and advocates.

Theatre Arts II
TEDS: 03250200 **KISD:** 7713
Credit: 1
Grade: 10-12
Recommended prerequisite: Theatre Arts I

This course covers various acting styles, production techniques, introduction to design, children's Theatre, introduction to dance, make-up and costuming, and public performance.

Theatre Arts III
TEDS: 03250300 **KISD:** 7723
Credit: 1
Grade: 10-12
Recommended prerequisite: Theatre Arts II and/or teacher approval

This course covers advanced elements of Theatre, advanced acting, critiques, and evaluations, public performance including individual and group efforts, elements of rehearsals, auditioning, and playwriting. Participation in extra-curricular competitions, performance, and productions is strongly encouraged.

Theatre Arts IV
TEDS: 03250400 **KISD:** 7733
Credit: 1
Grade: 12
Recommended prerequisite: Theatre Arts III and/or teacher approval

This course allows the advanced student of Theatre to specialize in Theatre elements. An advanced demonstration of all Theatre aspects is expected. Participation in extra-curricular competitions, performances or productions is required.

Technical Theatre I
TEDS: 03250500 **KISD:** 7743
Credit: 1
Grade: 9-12
Recommended prerequisite: None

This course is created for the student who wishes to examine the technical aspects of the theatre. Students will learn how to design and build sets, create costumes and make-up, uses of lightening, sound, rigging, general upkeep of equipment and facilities, participate in theatrical house management, analyze scripts for technical needs, and use and upkeep of theatrical tools.

Technical Theatre II
TEDS: 03250600 **KISD:** 7753
Credit: 1
Grade: 10-12
Recommended prerequisite: Technical Theatre I

This course combines theories of design and stagecraft techniques with the construction and operation of the various elements of technical Theatre. Students will be expected to participate in all behind-the-scenes action of productions. Students electing to use this course towards the required PE credit for graduation will have the course coded with a "7" on the transcript to fulfill that requirement.

Technical Theatre III

TEDS: 03251100 **KISD:** 7763
Credit: 1
Grade: 11-12
Recommended prerequisite: Technical Theatre II

This course combines theories of design and stagecraft techniques with the construction and operation of various elements of the technical Theatre facility. Students are required to participate in all productions.

Technical Theatre IV

TEDS: 03251200 **KISD:** 7773
Credit: 1
Grade: 12
Recommended prerequisite: Technical Theatre III and teacher approval

This course combines theories of design and stagecraft techniques with the construction and operation of various elements of the Theatre facility. Students are required to participate in all productions.

Theatre Production I-IV

TEDS: 03250700 I **KISD:** 7783
TEDS: 03250800 II **KISD:** 7793
TEDS: 03250900 III **KISD:** 7803
TEDS: 03251000 IV **KISD:** 7813
Credit: 1
Grade: 9-12
Required prerequisite: Theatre Arts I and audition

This course provides practical hands-on experience in acting and stagecraft through the preparation and public performance of plays. This course may meet for a lengthened class period or outside of the regular school hours. Participation in public performance is required. Enrollment is by audition only.

Musical Theatre I

TEDS: 03251900 **KISD:** 79010
Credit: 1
Grade: 10-12
Required prerequisite: Theatre Arts I and teacher approval

This course will enable students to study and perform the varied styles of musical theatre with special attention to the principles of stage movement, stage vocal technique, stage choreography, acting, characterization, and other aspects of musical production. The course will also enhance and cultivate the creative gifts of each student while encouraging a sense of self-confidence. Students electing to use this course towards the required PE credit for graduation will have the course coded with a "7" on the transcript to fulfill that requirement.

Musical Theatre II-III

TEDS: 03252000 II KISD: 79020
TEDS: 03252100 III KISD: 79030
Credit: 1
Grade: 11-12
Required prerequisite: Theatre Arts I, Musical Theatre I, and teacher approval

These advanced courses will enable students to pursue their passion for the Musical Theatre art form. Students will receive scaffolded comprehensive and rigorous instruction so that they may make informed choices about the craft, college, and the profession. Students will study and perform the varied styles of musical theatre while mastering important performance techniques.

Movement for the Actor

TEDS: N1170118 **KISD:** 79210
Credit: 1
Grade: 10-12
Recommended prerequisite: Theatre Arts I and teacher approval

This course is available once Theatre Arts I has been completed. It is designed to employ state movements to express thoughts, feelings, and actions in order to analyze and describe the correlation of all physical elements used on stage.

Acting Styles: Classical

TEDS: N1170124 **KISD:** 79310
Credit: 1
Grade: 11-12
Recommended prerequisite: Theatre Arts I and teacher approval

This is an advanced course available once Theatre Arts I has been completed. Students will study Greek Theatre, Commedia dell'arte, Shakespearean plays, the Restoration, and Melodrama.

Acting Styles: Realism

TEDS: N1170125 **KISD:** 79311
Credit: 1
Grade: 11-12
Recommended prerequisite: Theatre Arts I and teacher approval

This advanced course is available once Theatre Arts I has been completed. Students study text from the 1890's to present and learn acting elements of theatrical realism, Theatre of Absurd, and the modern theatre.

Acting Styles: Improvisation

TEDS: N1170126 **KISD:** 79312
Credit: 1
Grade: 10-12
Recommended prerequisite: Theatre Arts I and teacher approval

This course is available once Theatre Arts I has been completed. The students will study basic elements of improvisational acting and theatre. This course challenges students to use character development and expand their creative processes.

Theatre III: Directing

TEDS: 03251700 **KISD:** 79401
Credit: 1
Grade: 10-12
Recommended prerequisite: Theatre Arts I and teacher approval

This advanced course is available once Theatre Arts I has been completed. Students are given the opportunity to enhance their ability to communicate with actors. Students explore the basic techniques of blocking with emphasis on the problems and aesthetic questions that arise.

Theatre III: Introduction to Playwriting

TEDS: 03251500 **KISD:** 79402
Credit: 1
Grade: 9-12
Recommended prerequisite: None

The primary goal of the course is to encourage students to write quickly, fluidly and fearlessly. There will be emphasis on experimentation and process with an emphasis on understanding script structure.

Dramaturgy

TEDS: N1170194 **KISD:** 7399
Credit: 1
Grade: 10-12
Recommended prerequisite: Theatre Arts I

This course will introduce students to the field of dramaturgy where they can become literary and historical consultants who work with directors, designers, and actors to make an artistic vision a reality. The recommended participants are students who are interested in acting, designing, playwriting, directing, or producing theatre. Students will learn to collaborate with a production team by analyzing, questioning, researching, interpreting, problem-solving, storytelling, defining, clarifying, philosophizing, decision-making, innovating, communicating (verbal and written), developing bibliographies and casebooks; understanding and appreciating the historical context; educating actors, designers, directors, and audience.

Acting for the Camera

TEDS: N1170193 **KISD:** 7389
Credit: 1
Grade: 10-12
Recommended prerequisite: Theatre Arts I

The purpose of this course is to apply skills introduced in theatre classes to acting for the camera. Through the use of television, film, and commercial copy, students are introduced to basic on-camera technique and terminology. By the end of the course, students will be comfortable with on-camera acting techniques, as well as on-camera blocking, business, subtext, and reactions. Through technique exercises, script analysis, and scene study, students will expand their range of emotional, intellectual, physical, and vocal expressiveness and be able to successfully prepare for on-camera auditioning.

	Program of Study	9th	10th	11th	12th
 **Visual Arts**	**Drawing**	Art I 1 credit	Art II Drawing Regular or Honors 1 credit	Art III Drawing Honors 1 credit	AP Studio Art: Drawing Portfolio 1 credit
	Digital Media	Art I 1 credit	Art II Digital Art and Media Honors 1 credit	Art III Digital Art and Media Honors 1 credit	AP Studio Art: 3-D Design Portfolio 1 credit
	Painting	Art I 1 credit	Art II Painting Honors 1 credit	Art III Painting Honors 1 credit	AP Studio Art: 2-D Design Portfolio 1 credit
	Sculpture	Art I 1 credit	Art II Sculpture Honors 1 credit	Art III Sculpture Honors 1 credit	AP Studio Art: 3-D Design Portfolio 1 credit

VISUAL ARTS

Art I

TEDS: 03500100 **KISD:** 7403
Credit: 1
Grade: 9-12
Recommended prerequisite: None

This comprehensive study stresses the elements and principles of art and their uses in two and three-dimensional art. Various media and art forms are used to gain understanding of the basics. This course is the Recommended Prerequisite for all specialized classes.

Unified Art I

TEDS: 03500100 **KISD:** 7402
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Unified Art is a success-oriented course for students with an IEP and general education peer partners. Each general education student is uniquely matched with a student with an IEP. During the first week of class, training will be provided to prepare students to be successful in their partnership role. Unified Art is focused on building independence, community, empathy, management skills, and artistic growth in a visual art learning environment for students of all levels. Opportunities to explore a variety of art areas of study may include drawing, painting, sculpture, fibers, design, and art history. Unified Art emphasizes leadership skills in making connections in a partnership which may appeal to future educators, counselors, healthcare workers or career coaches and advocates.

Art I Honors

TEDS: 03500100 **KISD:** 7413
Credit: 1
Grade: 9-11
Recommended prerequisite: None

This comprehensive study stresses the elements and principles of art and their uses in two and three-dimensional art. Using various media and art forms, emphasis will be given to drawing. This course is a Recommended Prerequisite for Art II Honors.

Art II Drawing

TEDS: 03500500 **KISD:** 7423
Credit: 1
Grade: 10-12
Recommended prerequisite: Art I

Drawing II is a comprehensive study that stresses visual awareness, drawing techniques, and media experimentation. This course stresses the traditional techniques and expands into more contemporary methods of creative expression through drawing.

Art II Drawing Honors

TEDS: 03500500 **KISD:** 7425
Credit: 1
Grade: 10-12
Recommended prerequisite: Art I

Drawing Honors II is a comprehensive study of drawing that stresses the elements of art and their uses in two-dimensional art. It will deal with visual awareness, drawing techniques (traditional and non-traditional). This course is a Recommended Prerequisite for the AP Drawing and 2-D Design Portfolio. Students will gain experience with a variety of media and techniques. This course will include study of art and artists and vocabulary related to media and techniques.

Art II Digital Art and Media Honors

TEDS: 03501220 **KISD:** 7472
Credit: 1
Grade: 10-12
Recommended prerequisite: Art I

Digital Media emphasizes the elements and principles of art through traditional art projects competed via the computer. This course will be designated to include basic computer skills required for digital art software program utilized in the course.

Art II Painting Honors

TEDS: 03500600 **KISD:** 7427
Credit: 1
Grade: 10-12
Recommended prerequisite: Art I

Painting II Honors is a comprehensive study of painting that stresses the elements and principles of art. The class will deal with visual awareness, painting techniques (traditional and non-traditional). Students will study a variety of art and artists and will participate in class critiques of student work and the work of master artists.

Art II Sculpture Honors

TEDS: 03501000 **KISD:** 7463
Credit: 1
Grade: 10-12
Recommended prerequisite: Art I

Sculpture II includes objective and non-objective three-dimensional assignments. Construction skills and classical techniques are an integral part of each assignment. Students will use various mediums including wood and clay.

Art III Drawing Honors

TEDS: 03501300 **KISD:** 7496
Credit: 1
Grade: 11-12
Recommended prerequisite: Art II Drawing

Drawing Honors III is a comprehensive study of drawing for advanced students seeking to develop ideas on a concentrated subject or theme. This course continues to stress the elements of art and their uses in two-dimensional art. It will deal with visual awareness, drawing techniques (traditional and non-traditional). The course will allow students more time to develop the breadth of college level artwork for the AP Drawing and 2-D Design Portfolio. Students will gain experience with a variety of media and techniques. Course will include study of art and artists and vocabulary related to media and techniques.

Art III Digital Art and Media Honors

TEDS: 03502220 **KISD:** 7473
Credit: 1
Grade: 11-12
Recommended prerequisite: Art II Digital Art and Media

Art III Digital Media Honors is a course to expand Art II Electronic Media and the broad interpretation of two-dimensional design issues. This course is intended to expand design skills that could be used to help develop an AP 2-D Design Portfolio. Students are asked to demonstrate higher-level proficiency in two-dimensional design using a variety of art forms and digital art software programs.

Art III Painting Honors

TEDS: 03501400 **KISD:** 7481
Credit: 1
Grade: 11-12
Recommended prerequisite: Art II Painting

Painting Honors III is a comprehensive study of painting for advanced students seeking to develop ideas on a concentrated subject or theme. This course continues to stress the elements of art and their uses in two-dimensional art. It will deal with visual awareness and painting techniques (traditional and non-traditional). The course will allow students more time to develop the breadth of college level artworks for the AP Art 2-D Design Portfolio. Students will gain experience with a variety of media and techniques. Course will include study of art and artists and vocabulary related to media and techniques.

Art III Sculpture Honors

TEDS: 03501900 **KISD:** 7490
Credit: 1
Grade: 11-12
Recommended prerequisite: Art II Sculpture

This Honors course is devoted to deliberate and systematic presentation of various three-dimensional art processes, procedures, theories, and historical developments to provide a basis for students interested in building a three-dimensional design portfolio. The approach to art experiences during this time is experimental in terms of materials but structured in terms of providing art students a strong foundation in concepts. Students will increase skills in using line, space, texture, color, form, and shape while manipulating the mediums of paper, wire, clay, plaster, cardboard, wood, etc.

AP Art History

TEDS: A3500100 **KISD:** 7543
Credit: 1
Grade: 10-12
Recommended prerequisite: None

Advanced Placement Art History is the equivalent to an introductory course in university level art history. An exam will be administered and assessed by the College Board in May. Many colleges and universities offer advanced placement and/or credit to students who have performed successfully on the AP Art History Exam. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Studio Art: Drawing Portfolio

TEDS: A3500300 **KISD:** 7553
Credit: 1
Grade: 10-12
Recommended prerequisite: Art II Drawing

The Drawing Portfolio is designed to address a very broad interpretation of drawing issues. Many types of painting, printmaking, and studies of sculpture, as well as abstract and observational works, would qualify as addressing drawing issues. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Studio Art: Two-Dimensional Design Portfolio

TEDS: A3500400 **KISD:** 7523
Credit: 1
Grade: 10-12
Recommended prerequisite: Art II Painting

This portfolio is intended to address a very broad interpretation of two-dimensional design issues. Students are asked to demonstrate proficiency in two-dimensional design issues using a variety of art forms that may include, but are not limited to: graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Studio Art: Three-Dimensional Design Portfolio

TEDS: A3500500 **KISD:** 7533
Credit: 1
Grade: 10-12
Recommended prerequisite: Art II Sculpture or Digital Media

The three-dimensional portfolio class is designed to address a very broad interpretation of three-dimensional design issues. Students are asked to prepare a collection of works which demonstrate proficiency in the three-dimensional design techniques that may include, but are not limited to: ceramics, metal work, wood work, textiles, paper craft, and installation **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Floral Design

TEDS: 13001800 **KISD:** 81800
Credit: 1
Grade: 9-12

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. Floral Design satisfies a fine arts credit requirement for students on the Foundation High School Program.

	Program of Study	9th	10th	11th	12th
Social Studies 	**History**	World Geography Regular or Honors 1 credit	World History Regular or AP 1 credit	US History Regular, Dual, or AP AND AP European History 1 credit	Government AND Economics Regular, Dual, or AP .5 credit/each
	Social Sciences	World Geography Regular or Honors OR AP Human Geography 1 credit	World History Regular or AP 1 credit	US History Regular, Dual, or AP AND AP Psychology 1 credit	Government AND Economics Regular, Dual, or AP .5 credit/each

World Geography

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TEDS: 03320100 ☑ **KISD:** 4203
Credit: 1
Grade: 9
Recommended prerequisite: None

In World Geography Studies students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major landforms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of the world population; relationships among people, places, and environments; and the concept of region. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions. Students will use a variety of rich primary and secondary source material such as contemporary and historic maps of various types, satellite-produced images, photographs, graphs, map sketches, and diagrams in order to understand the importance of geography.

World Geography Honors

TEDS: 03320100 ☑ **KISD:** 4223
Credit: 1
Grade: 9
Recommended prerequisite: None

World Geography Honors is designed for mastery of the Texas Essential Knowledge and Skills as well extension beyond this mastery. In this course, critical thinking and analytical skills will be utilized in various projects including interpretation of primary and secondary source materials. Students will use their knowledge of spatial relationships, systematic physical and human processes and the interaction between people and their environment to make intelligent decisions as citizens.

AP Human Geography

TEDS: A3360100 ☑ **KISD:** 4501
Credit: 1
Grade: 9-12
Recommended prerequisite: None

AP Human Geography introduces high school students to college-level introductory human geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human–environment relationships on places, regions, cultural landscapes, and patterns of interaction. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

World History

TEDS: 03340400 ☑ **KISD:** 4103
Credit: 1
Grade: 10
Recommended prerequisite: None

World History Studies is a survey of the history of humankind. The major emphasis is on the study of significant people, events, and issues from the 8000 BC to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. A variety of rich primary and secondary source material such as state papers, legal documents, charters, constitutions, biographies, autobiographies, speeches, letters, literature, music, art, and architecture will be used in order for students to understand the impact of world history.

AP World History: Modern Course

TEDS: A3370100 ☑ **KISD:** 4123
Credit: 1
Grade: 10
Recommended prerequisite: None

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

United States History

TEDS: 03340100 ☑ **KISD:** 4003
Credit: 1
Grade: 11
Recommended prerequisite: None

In United States History Studies Since 1877, students study the history of the United States from 1877 to the present. The course content is based on the founding documents of the U.S. government, which provide a framework for its heritage. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and popular culture and the times during which they were created. Students use critical-thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context.

AP United States History

TEDS: A3340100 ☑ **KISD:** 4023
Credit: 1
Grade: 11
Recommended prerequisite: None

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual United States History

TCC US History 1301 & 1302
TEDS: 03340100 ☑ **KISD:** 4004
Credit: 1
Grade: 11
Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. These classes are a survey of the social, political, economic, cultural, and intellectual history of the United States. Students must purchase the books required for TCC – United States History. Also, students must register and pay for the course through Tarrant County College.

United States Government

TEDS: 03330100 ☑ **KISD:** 4301
Credit: .5
Grade: 12
Recommended prerequisite: None

In United States Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students will explore a variety of rich primary and secondary source material such as the complete text of the U.S. Constitution, selected Federalist Papers, landmark cases of the U.S. Supreme Court, biographies, autobiographies, memoirs, speeches, letters, and periodicals that feature analyses of political issues and events.

AP United States Government and Politics

TEDS: A3330100 ☑ **KISD:** 4311
Credit: .5
Grade: 12
Recommended prerequisite: None

The AP Government and Politics is equivalent to an introductory college course in government and is taught with a college level text. The purpose of this course is to give the students an analytical perspective on government and politics in the United States through the study of general concepts used to interpret and the analysis of specific examples. The major areas of study include: constitutional underpinning of the United States government; political beliefs and behaviors; political parties; interest groups and mass media; institutions of national government; public policy; and civil rights and civil liberties. The students will be required to evaluate general propositions about these areas of study and to analyze their political relationships between people and institutions using sustained written arguments. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual United States Government

TCC Government 2305
TEDS: 03330100 ☑ **KISD:** 4304
Credit: .5
Grade: 12
Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. The course teaches United States constitutional and governmental systems. Students must purchase the books required for TCC – United States Government. Also, students must register and pay for the course through Tarrant County College.

Economics

TEDS: 03310300 ☑ **KISD:** 4302
Credit: .5
Grade: 12
Recommended prerequisite: None

In Economics, the focus is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The course also incorporates instruction in personal financial literacy.

AP Macroeconomics

TEDS: A3310200 ☑ **KISD:** 4322
Credit: .5
Grade: 12
Recommended prerequisite: None

AP Macroeconomics is equivalent to an introductory college course in macroeconomics and is taught with a college level text. The purpose of AP Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income and price determination and develops students' familiarity with economic performance measures, economic growth, fluctuations of outputs and prices, money, monetary and fiscal policy and the global economy. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual Principles of Macroeconomics

TCC Principles of Macroeconomics 2301
TEDS: 03310300 ☑ **KISD:** 4332
Credit: .5
Grade: 12
Required prerequisite: TCC Admission Standards

Students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for the highly motivated students who are prepared to take a college course in high school. This course is taught with an emphasis on the U.S. economy, the economizing problem, demand-supply theory, national income accounting, business fluctuation, fiscal policy, and monetary policy. Students must purchase books required for Principles of Macroeconomics. Also, students must register and pay for the course through Tarrant County College.

AP Microeconomics

TEDS: A3310100 ☑ **KISD:** 4312
Credit: .5
Grade: 12
Recommended prerequisite: None

The AP Microeconomics is equivalent to an introductory college course in microeconomics and is taught with a college level text. The purpose of AP Microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumer and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. The major areas of study include: basic economic concepts, the nature and functions of product markets, the theory of the firm, factor markets and efficiency, equity and the role of government. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Comparative Government and Politics

TEDS: A3330200 ☑ **KISD:** 4321
Credit: .5
Grade: 12
Recommended prerequisite: None

The AP Comparative Government and Politics is equivalent to an introductory college course in comparative government and is taught with a college level text. This course is an in-depth study of selected world governments. Emphasis will be placed on the assessment and understanding of the relationship between the sources of public authority and political power, society and politics, citizens and state as well as the political framework and political changes in nation-states. Both utopian and actual systems and concepts will be investigated, analyzed, and evaluated through detailed comparisons. A Special Topics class may be encouraged. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP European History

TEDS: A3340200 ☑ **KISD:** 4503
Credit: 1
Grade: 11-12
Recommended prerequisite: None

AP European History is designed to be the equivalent of an introductory college or university survey of modern European history. Students will investigate significant events, individuals, developments and processes from approximately 1450 to the present. Students will develop and use the same skills employed by historians including analyzing primary and secondary sources as well as developing historical arguments. The course will focus on seven themes that will enable students to make connections among historical developments throughout different times and places. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Psychology

TEDS: 03350100 ☑ **KISD:** 4402
Credit: .5
Grade: 11-12
Recommended prerequisite: None

Psychology gives students the opportunity to study individual and group psychology. Students learn how the knowledge, methods and theories of psychologists are applied to analyzing human behavior. Course content is organized to help students develop critical attitudes toward superficial generalization about human behavior and to achieve a better understanding of human behavior in general.

AP Psychology

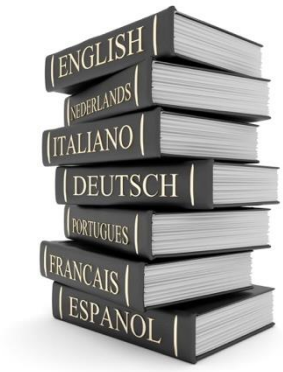
TEDS: A3350100 ☑ **KISD:** 4404
Credit: 1
Grade: 11-12
Recommended prerequisite: None

AP Psychology is equivalent to an introductory college course in Psychology. The purpose of this class is to introduce students to the systematic and scientific study of the behavior of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the minor subfields within psychology. They also learn about the methods psychologists use in their science and practice. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Sociology

TEDS: 03370100 ☑ **KISD:** 4401
Credit: .5
Grade: 11-12
Recommended prerequisite: None

Sociology includes the nature of sociology, culture, socialization, groups, institutions, communication, and cultural development and change. The concepts will remain constant; however, the content may vary depending on the student interest. The student will have an opportunity to explore the major tools of the science of sociology. These will include, but are not limited to, analyzing types of groups and interaction among groups, understanding the impact of media on groups and analyzing the impact science and technology upon people and culture.

	Program of Study	9th	10th	11th	12th
 **World Languages**	**American Sign Language**	American Sign Language I 1 credit	American Sign Language II 1 credit	American Sign Language III 1 credit	American Sign Language IV 1 credit
	Spanish	Spanish I 1 credit	Spanish II 1 credit	Spanish III 1 credit	Spanish IV 1 credit
	German	German I 1 credit	German II 1 credit	German III 1 credit	German IV 1 credit
	French	French I 1 credit	French II 1 credit	French III 1 credit	French IV 1 credit
	Latin	Latin I 1 credit	Latin II 1 credit	Latin III 1 credit	Latin IV 1 credit

American Sign Language I (ASL I)

TEDS: 03980100 ☑ **KISD:** 6403
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in ASL I. Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, and use ASL to make connections to other subject areas and to acquire information.
Students in Level I develop the ability to perform the tasks of the novice language learner. Students in ASL I are expected to reach proficiency levels as follows: interpersonal receptive, novice mid; interpersonal expressive, novice mid; interpretive receptive, novice high; and presentational expressive, novice high. Upon successful completion of this course, students are encouraged to enroll in ASL II.

American Sign Language II (ASL II)

TEDS: 03980200 ☑ **KISD:** 6413
Credit: 1
Grade: 9-12
Recommended prerequisite: ASL I

ASL II provides a fun, interactive, context- driven and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, and use ASL to make connections to other subject areas and to acquire information. Students in ASL II are expected to reach proficiency levels as follows: interpersonal receptive, novice mid; interpersonal expressive, intermediate low; interpretive receptive, intermediate low; and presentational expressive, intermediate mid. Upon successful completion of this course, students are encouraged to enroll in ASL III.
**This course is not currently available at FRHS.*

American Sign Language III (ASL III)

TEDS: 03980300 ☑ **KISD:** 6423
Credit: 1
Grade: 10-12
Recommended prerequisite: ASL II

ASL III provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, and use ASL to make connections to other subject areas and to acquire information. Students in ASL III are expected to reach proficiency levels as follows: interpersonal receptive, intermediate mid; interpersonal expressive, advanced low; interpretive receptive, intermediate low; and presentational expressive, advanced low. Upon successful completion of this course, students are encouraged to enroll in ASL IV. **This course is not currently available at FRHS.*

American Sign Language IV (ASL IV)

TEDS: 03980400 ☑ **KISD:** 6424
Credit: 1
Grade: 12
Recommended prerequisite: ASL III

ASL IV provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, employ expressive and receptive skills for comprehension, and use ASL to make connections to other subject areas and to acquire information. Students in ASL IV are expected to reach proficiency levels as follows: interpersonal receptive, intermediate high; interpersonal expressive, advanced high; interpretive receptive, intermediate high; and presentational expressive, advanced high. **This course is not currently available at FRHS.*

French I

TEDS: 03410100 ☑ **KISD:** 6113
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in French I. With communication being the overarching goal, this course begins the study of the French language and culture in an interactive atmosphere. Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following:
engage in direct oral and written communication with others, demonstrate an understanding of spoken and written communication, present to an audience, and make comparisons of the French language and culture with their own. Students in Level I are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French II.

French I Honors

TEDS: 03410100 ☑ **KISD:** 6103
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in French I Honors. French I Honors covers the French I curriculum, but goes into added depth with the French language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I Honors are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French II Honors.

French II

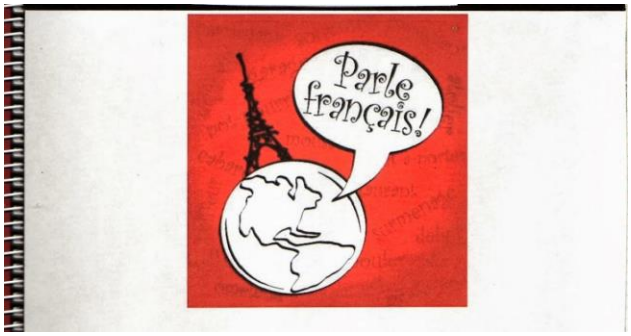
TEDS: 03410200 ☑ **KISD:** 6123
Credit: 1
Grade: 9-12
Recommended prerequisite: French I

French II provides a fun, interactive, context-driven and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French III Honors.

French II Honors

TEDS: 03410200 ☑ **KISD:** 6173
Credit: 1
Grade: 9-12
Recommended prerequisite: French I Honors

French II Honors covers the French II curriculum but goes into added depth with the French language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French III Honors.



French III Honors

TEDS: 03410300 ☑ **KISD:** 6133
Credit: 1 **Dual Credit:** 6134
Grade: 10-12
Recommended prerequisite: French II or French II Honors

Students in French III Honors will experience AP style questioning responses, and tasks with a stronger emphasis on original and creative production in the target language. Students continue to be prepped for the Advanced Placement (AP) course which provides students the opportunity to earn college credit after successful completion of the corresponding AP exam. French III Honors provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level III Honors are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French IV AP.

AP French IV

TEDS: A3410100 ☑ **KISD:** 6143
Credit: 1
Grade: 11-12
Recommended prerequisite: French III Honors

French IV AP is designed for students to explore a variety of themes driven by the College Board in the French language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Language and Culture exam. With a stronger emphasis on original and creative production in the target language, French IV AP provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High by the end of the course of study.

German I

TEDS: 03420100 ☑ **KISD:** 6213
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in German I. With communication being the overarching goal, this course begins the study of the German language and culture in an interactive atmosphere. Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following: engage in direct oral and written communication with others, demonstrate an understanding of spoken and written communication, present to an audience, and make comparisons of the German language and culture with their own. Students in Level I are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German II.

German I Honors

TEDS: 03420100 ☑ **KISD:** 6203
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in German I Honors. German I Honors covers the German I curriculum, but goes into added depth with the German language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I Honors are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German II Honors.

German II

TEDS: 03420200 ☑ **KISD:** 6223
Credit: 1
Grade: 9-12
Recommended prerequisite: German I

German II provides a fun, interactive, context-driven and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German III Honors.

German II Honors

TEDS: 03420200 ☑ **KISD:** 6273
Credit: 1
Grade: 9-12
Recommended prerequisite: German I Honors

German II Honors covers the German II curriculum but goes into added depth with the German language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German III Honors.

German III Honors

TEDS: 03420300 ☑ **KISD:** 6233
Credit: 1
Grade: 10-12
Recommended prerequisite: German II or German II Honors

Students in German III Honors will experience AP style questioning responses, and tasks with a stronger emphasis on original and creative production in the target language. Students continue to be prepped for the Advanced Placement (AP) course which provides students the opportunity to earn college credit after successful completion of the corresponding AP exam. German III Honors provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level III Honors are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German IV AP.

AP German IV

TEDS: A3420100 ☑ **KISD:** 6243
Credit: 1
Grade: 11-12
Recommended prerequisite: German III

German IV AP is designed for students to explore a variety of themes driven by the College Board in the German language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Language and Culture exam. With a stronger emphasis on original and creative production in the target language, German IV AP provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication, demonstrate understanding of spoken and written communication, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High by the end of the course of study.

German V

TEDS: 03420500 ☑ **KISD:** 6263
Credit: 1
Grade: 12
Recommended prerequisite: German IV

This course builds on the skills acquired in German I, II, III, and IV. Structure and vocabulary from the previous courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading, and writing. German is spoken extensively in the classroom and writing assignments will be based on German literature and Germanic culture. Students will gain an understanding of two basic aspects of human existence: the nature of communication and the complexity of culture. Students will become aware of multiple perspectives and means of expression, which lead to an appreciation of difference and diversity. Students in Level V are expected to reach a proficiency level of Intermediate High to Advanced Mid by the end of the course of study.

Latin I

TEDS: 03430100 ☑ **KISD:** 6303
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in Latin I. Interpretive communication is the overarching goal of classical language instruction and is supported by opportunities for interpersonal and presentational communication. Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following: express meaning on familiar topics through single words and phrases that have been memorized, read and comprehend proficiency level, culturally relevant texts, recognize components of the language such as grammar, syntax and genre, engage in direct oral communication, experience an introduction to classical culture and history. Students in Level I of classical languages are expected to reach a proficiency level of Novice High to Intermediate Low in reading, Novice Low to Novice Mid proficiency level in listening and speaking, and Novice Mid in writing by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Latin II. **This course is available in the traditional setting at FRHS only. At the other high schools, this course is available as an online course through the Keller ISD Virtual Learning program.*

Latin I Honors

TEDS: 03430100 ☑ **KISD:** 6300
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in Latin I Honors. Latin I Honors covers the Latin I curriculum, but goes into added depth with the Latin language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I of classical languages are expected to reach a proficiency level of Novice High to Intermediate Low in reading, Novice Low to Novice Mid proficiency level in listening and speaking, and Novice Mid in writing by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Latin II Honors. **This course is only available at FRHS.*

Latin II

TEDS: 03430200 ☑ **KISD:** 6313
Credit: 1
Grade: 9-12
Recommended prerequisite: Latin I

Latin II provides a fun, interactive, context-driven and engaging atmosphere through which the students will participate in a variety of activities in order to: read and comprehend proficiency level, culturally relevant texts, recognize components of the language such as grammar, syntax and genre, engage in direct oral and written communication, make comparisons and connections to their own culture through authentic resources, present information to an audience, and demonstrate understanding of spoken and written language. Students in Level II of classical languages are expected to reach a proficiency level of Intermediate Low to Intermediate Mid in reading, Novice Mid to Novice High in listening and writing, and Novice Mid in speaking. Upon successful completion of this course, students are encouraged to enroll in Latin III Honors. **This course is available in the traditional setting at FRHS only. At the other high schools, this course is available as an online course through the Keller ISD Virtual Learning program.*

Latin II Honors

TEDS: 03430200 ☑ **KISD:** 6373
Credit: 1
Grade: 9-12
Recommended prerequisite: Latin I Honors

Latin II Honors covers the Latin II curriculum but goes into added depth with the Latin language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors of classical languages are expected to reach a proficiency level of Intermediate Low to Intermediate Mid in reading, Novice Mid to Novice High in listening and writing, and Novice Mid in speaking. Upon successful completion of this course, students are encouraged to enroll in Latin III Honors. **This course is only available at FRHS.*

Latin III Honors

TEDS: 03430300 ☑ **KISD:** 6323
Credit: 1
Grade: 10-12
Recommended prerequisite: Latin II or Latin II Honors

Students in Latin III Honors will experience AP style questioning responses, and tasks. Students continue to be prepped for the Advanced Placement (AP) course which provides students the opportunity to earn college credit after successful completion of the corresponding AP exam. Latin III Honors provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: read and comprehend proficiency level, culturally relevant texts, recognize components of the language such as grammar, syntax and genre, engage in direct oral and written communication, make comparisons and connections to their own culture through authentic resources, present information to an audience, and demonstrate understanding of spoken and written language. Students in Level III Honors of classical languages are expected to reach a proficiency level of Intermediate High to Advanced Low in reading, Novice Mid to Novice High in speaking and writing, and Novice High in listening. Upon successful completion of this course, students are encouraged to enroll in Latin IV AP. **This course is only available at FRHS.*

AP Latin IV

TEDS: A3430100 ☑ **KISD:** 6333
Credit: 1
Grade: 11-12
Recommended prerequisite: Latin III Honors

Latin IV AP is designed for students to explore a variety of themes driven by the College Board in the Latin language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Latin exam. Latin IV provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: read and comprehend proficiency level, appropriate texts of prose or poetry of selected authors, recognize components of the language such as grammar, syntax and genre, engage in direct oral and written communication, make comparisons and connections to their own culture through authentic resources, present information to an audience of listeners and readers, and demonstrate understanding of spoken and written language. Students in Level IV of classical languages are expected to reach a proficiency level of Advanced Low to Advanced Mid in reading, Novice Mid to Novice High in speaking and writing, and Novice High in listening. **This course is only available at FRHS.*

Spanish I

TEDS: 03440100 ☑ **KISD:** 6013
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in Spanish I. With communication being the overarching goal, this course begins the study of the Spanish language and culture in an interactive atmosphere. Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following: engage in direct oral and written communication with others, demonstrate an understanding of spoken and written communication, present to an audience, and make comparisons of the Spanish language and culture with their own. Students in Level I are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish II.

Spanish I Honors

TEDS: 03440100 ☑ **KISD:** 6003
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students *do not* need prior knowledge of the language to enroll in Spanish I Honors. Spanish I Honors covers the Spanish I curriculum, but goes into added depth with the Spanish language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I Honors are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish II Honors.

Spanish II

TEDS: 03440200 ☑ **KISD:** 6033
Credit: 1
Grade: 9-12
Recommended prerequisite: Spanish I

Spanish II provides a fun, interactive, context-driven and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish III.

Spanish II Honors

TEDS: 03440200 ☑ **KISD:** 6083
Credit: 1
Grade: 9-12
Recommended prerequisite: Spanish I Honors

Spanish II Honors covers the Spanish II curriculum but goes into added depth with the Spanish language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish III Honors.

Spanish III

TEDS: 03440300 ☑ **KISD:** 6023
Credit: 1
Grade: 10-12
Recommended prerequisite: Spanish II Honors

Spanish III provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written language, present information to an audience, and make comparisons and connections to their own culture through authentic resources. Students in Level III are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students could choose to take the Spanish CLEP test offered at a nearby university to earn potential college credit dependent upon score!

Spanish III Honors

TEDS: 03440300 ☑ **KISD:** 6043
Credit: 1
Grade: 10-12
Recommended prerequisite: Spanish II

Spanish III Honors covers the Spanish III curriculum but goes into added depth with the Spanish language while engaging in AP style questioning, responses, and tasks. In Spanish III Honors, there is a stronger emphasis on original and creative production in the target language. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level III Honors are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish IV AP.

AP Spanish IV

TEDS: A3440100 ☑ **KISD:** 6053
Credit: 1
Grade: 11-12
Recommended prerequisite: Spanish III Honors

Spanish IV AP is designed for students to explore a variety of themes driven by the College Board in the Spanish language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Language and Culture exam. With a stronger emphasis on original and creative production in the target language, Spanish IV AP provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication, demonstrate understanding of spoken and written language, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish V AP.

AP Spanish V

TEDS: A3440200 ☑ **KISD:** 6063
Credit: 1
Grade: 11-12
Recommended prerequisite: Spanish IV

Spanish V AP is designed for students to explore, analyze, and respond to a variety of literature pieces provided by the College Board in the Spanish language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn additional college credit after successful completion of the AP Literature and Culture exam. Spanish V AP provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication, demonstrate understanding of spoken and written language, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level V are expected to reach a proficiency level of Intermediate High to Advanced Mid by the end of the course of study.

Students may earn two LOTE (Languages Other Than English) credits by selecting from the following computer programming language courses:

Computer Science I Honors

TEDS: 03580200 **KISD:** 82301
Credit: 1
Grade: 9-12
Recommended prerequisite: Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. The purpose of this course is to continue on to AP Computer Science and prepare for the AP exam. This course may count as a **LOTE** credit. Class is taught at the Keller Center for Advanced Learning for students in the programming and software development program of study.

Computer Science II and III

TEDS: 03580300, 03580350 **KISD:** 82342
Credit: 2
Grade: 11-12
Recommended prerequisite: AP Computer Science

Computer Science II and III will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of advanced computer science data structures through the study of technology operations, systems, and concepts. Students will get to choose their focus among video game design, mobile application development, and coding. This course may also count as a **LOTE** credit. Class is taught at the Keller Center for Advanced Learning for students in the programming and software development program of study.

AP Computer Science

TEDS: A3580110, A3580120 **KISD:** 82340
Credit: 2
Grade: 10-12
Recommended prerequisite: Computer Science I Honors

AP Computer Science A is equivalent to a first-semester, college-level course in computer science and is a continuation of Computer Science I. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. This course will strengthen the skills developed in Computer Science I. It involves more detailed programming using records, set, stacks, pointers, and recursion. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.** This course counts as a **math** credit. This course may also count as a **LOTE** credit. Students earn 2 credits for this course, but the course is taught in 1 class period. Class is taught at the Keller Center for Advanced Learning for students in the programming and software development program of study.

Business and Industry

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Veterinary Studies	**Principles of Agriculture, Food and Natural Resources** (1 credit)	**Veterinary Medical Applications** (1 credit) *Prerequisite: Principles of Agriculture, Food and Natural Resources*	**Advanced Animal Science** (1 credit) **AND Scientific Research & Design: Veterinary Clinical Skills** (1 credit) *Prerequisite: Veterinary Medical Applications*	**Practicum in Agriculture, Food and Natural Resources** (2 credits) *Prerequisites: Scientific Research & Design: Veterinary Clinical Skills*	**Wildlife, Fisheries, and Ecology Management** (1 credit), **Small Animal Management** (.5 credit) **and Equine Science** (.5 credit), **Agribusiness Management and Marketing** (1 credit), **Livestock Production** (1 credit), **Introduction to Welding** (1 credit)
Plant Science	**Principles of Agriculture, Food and Natural Resources** (1 credit)	**Horticultural Science** (1 credit) **AND** **1 or more credits from the following 3 courses:** **Turf Grass Management** (.5 credit), **Landscape Design** (.5 credit), **Floral Design** (1 credit) *Prerequisite: Principles of Agriculture, Food and Natural Resources*	**Choose 1 or more credits from the following 3 courses:** **Greenhouse Operation & Production** (1 credit), **Advanced Floral Design** (1 credit), *Prerequisite: Floral Design*, **Advanced Plant and Soil Science** (1 credit) *Prerequisite: Horticultural Science*	**Practicum in Agriculture, Food and Natural Resources** (2 credits) *Prerequisites: 3 credits in the Plant Science Program*	**Agribusiness Management and Marketing** (1 credit)

******Optional electives **<u>do not</u>** replace required pathway courses******

Certifications / Certificate Opportunities Based on Program of Study
OSHA General Certification ^ Certified Veterinary Assistant (CVA) Animal Health Care Attendant (ACT) Equine Specialist (iCEV) Beef Cattle Specialist (iCEV) Avimark Software Certification (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
National FFA Organization

Additional Course Information
Credits: Advanced Animal Science, Scientific Research & Design: Veterinary Clinical Skills, and Advanced Plant and Soil Science can be used for science credit. Floral Design can be used for fine arts credit. **Fees:** Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for student to join their local CTSO chapter. Fees may apply. **Location:** Courses shaded in gray will be taught at the **Keller Center for Advanced Learning.**

Principles of Agriculture, Food, and Natural Resources

TEDS: 13000200 **KISD:** 81100
Credit: 1
Grade: 9-11
Recommended prerequisite: None

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

Veterinary Medical Applications

TEDS: 13000600 **KISD:** 81105
Credit: 1
Grade: 11-12
Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources; Biology, Chemistry, or IPC; Algebra I; and Geometry

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species.

Advanced Animal Science

TEDS: 13000700 **KISD:** 81106
Credit: 1
Grade: 11-12
Prerequisite: Veterinary Medical Applications; Biology; Chemistry or IPC; Algebra I; and Geometry

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. This course counts as a science credit.

Advanced Animal Science Honors

TEDS: 13000700 **KISD:** 82206
Credit: 1 **Dual Credit:** 81107
Grade: 11-12
Prerequisite: Veterinary Medical Applications; Biology; Chemistry or IPC; Algebra I; and Geometry

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course is a comprehensive examination of the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. This course is also offered as a dual credit course through Weatherford College: AGRI 1419 Animal Science. If enrolled in dual credit, students will receive both high school and college credit upon successful completion of the class. This is a college level class, which is designed for highly motivated students who are prepared to take a college course in high school. Students must register and pay for the course through Weatherford College. This course counts as a science credit.

Scientific Research and Design: Veterinary Clinical Skills

TEDS: 13037200 **KISD:** 81151
Credit: 1
Grade: 11-12
Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources; Biology, Chemistry, IPC, or Physics

Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. For Keller ISD, this course has been created to give students a time to focus completely on veterinary clinical skills. Students will spend their time predominantly in a lab setting learning skills such as blood work, diagnostics, sterilization of equipment, bandaging and so on. Students should ideally take this course their junior year of high school as they prepare to do an internship through their senior practicum course. This course counts as a science credit.

Scientific Research and Design: Veterinary Clinical Skills Honors

TEDS: 13037200 **KISD:** 82251
Credit: 1
Grade: 11-12
Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources; Biology, Chemistry, IPC, or Physics

Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curricula to supplement any program of study or coherent sequence. For Keller ISD, this course has been created to give students time to focus completely on veterinary clinical skills. Students will spend their time predominantly in a lab setting learning skills such as blood work, diagnostics, sterilization of equipment, bandaging, etc. Students should ideally take this course in their junior year of high school as they prepare to do an internship through their senior practicum course. Students will be expected to show commitment to the Honors curriculum and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study of anatomical and physiological concepts. It is taught at the Keller Center for Advanced Learning. This course counts as an honors-weighted science Credit for the class of 2025 and beyond.

Practicum in Agriculture, Food, and Natural Resources

TEDS: 13002500 **KISD:** 81161
Credit: 2
Grade: 11-12
Recommended prerequisites: 3 credits of agriculture courses

This course is recommended for students in Grades 11-12. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources cluster. Students can pursue externships at a variety of animal science related businesses in the Keller and Fort Worth area including, but not limited to, veterinary clinics, farms and ranches, equine facilities, dog grooming, and boarding facilities. Students may also choose to pursue an in-house internship housed at the Keller Center for Advanced Learning where they will work in the KCAL veterinary science lab with pets from the Keller community. Recommended Prerequisite: a minimum of three credits from the courses in the Agriculture, Food, and Natural Resources cluster.

Wildlife, Fisheries, and Ecology Management

TEDS: 13001500 **KISD:** 81040
Credit: 1
Grade: 10-12
Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources

Wildlife, Fisheries, and Ecology Management examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. To prepare for careers in natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Small Animal Management

TEDS: 13000400 **KISD:** 81103
Credit: .5
Grade: 10-12
Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats. Small Animal Management is taken concurrently with Equine Science.

Equine Science

TEDS: 13000500 **KISD:** 81104
Credit: .5
Grade: 10-12
Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys, and mules. Equine Science is taken concurrently with Small Animal Management.

Agribusiness Management and Marketing

TEDS: 13000900 **KISD:** 81060
Credit: 1
Grade: 11-12
Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources; Veterinary Medical Applications, teacher approval

This course will be taught as a junior and senior level FFA leadership class. The course is designed for those that are FFA officers or active in FFA to help develop their leadership and speaking potential. Students in this class will be expected to assist with the development, promotion, and everyday functioning of the KCAL FFA chapter.

Livestock Production

TEDS: 13000300 **KISD:** 81108
Credit: 1
Grade: 10-12
Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Introduction to Welding

TEDS: 13032250 **KISD:** 8884
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Introduction to Welding will provide an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to welding and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

Horticulture Science

TEDS: 13002000 **KISD:** 82801
Credit: 1
Grade: 10-12
Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources

Structure, growth, and development of horticultural plants from a practical and scientific approach; environmental effects, basic principles of propagation, greenhouse and outdoor production, nutrition, pruning and chemical control of growth, pest control and branches of horticulture.

Turf Grass Management

TEDS: 13001950 **KISD:** 82803
Credit: .5
Grade: 10-12
Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources

Turf Grass Management is designed to develop an understanding of turf grass management techniques and practices.

Landscape Design and Management

TEDS: 13001900 **KISD:** 82804
Credit: .5
Grade: 10-12
Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources

Landscape design and management includes standards to prepare students for creating beautiful environments for homes and businesses. This course includes site analysis and preparation, landscape drawing, plant selection, and installation. Maintenance of healthy attractive landscapes and turf areas will be emphasized. With the increase of urban sprawl these career opportunities are increasing daily. Plant science and leadership skills taught in this class will prepare students to meet the demands of this exciting industry.

Floral Design

TEDS: 13001800 **KISD:** 81800
Credit: 1
Grade: 9-12
Recommended prerequisites: Principles of Agriculture, Food, and Natural Resources

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. Floral Design satisfies a fine arts credit requirement for students on the Foundation High School Program.

Greenhouse Operation and Production

TEDS: 13002050 **KISD:** 82800
Credit: 1
Grade: 10-12
Recommended prerequisites: Horticultural Science

Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Advanced Floral Design

TEDS: N1300270 **KISD:** 81810
Credit: 1
Grade: 11-12
Required prerequisites: Floral Design

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

Advanced Plant and Soil Science

TEDS: 13002100 **KISD:** 82802
Credit: 1
Grade: 11-12
Recommended prerequisites: Horticultural Science

Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace. This course counts for a fine art credit. This course counts for a science credit.

Architecture & Construction

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Architectural Design	**Principles of Architecture** (1 credit)	**Architectural Design I** (1 credit) *Prerequisite: Principles of Architecture, Algebra 1, and English 1*	**Architectural Design II** (2 credits) *Prerequisite: Architectural Design I and Geometry*	**Practicum in Architectural Design** (2 credits) *Prerequisite: 3 credits in the Architectural Design Program including Architectural Design II*	**Civil Engineering** (1 credit), **SR &D: UAV** (1 credit)
Construction Technology	**Principles of Construction** (1 credit)	**Construction Technology I** (2 credits) *Prerequisite: Principles of Construction*	**Construction Technology II** (2 credits) *Prerequisite: Construction Technology I*	**Practicum in Construction Technology** (2 credits) *Prerequisite: 3 credits in the Construction Tech Program including Construction Technology II*	**Introduction to Welding** (1 credit), **Applied Math for Technical Professionals** (1 credit), **Entrepreneurship** (1 credit but taught in 1 semester), **SR &D: UAV** (1 credit)
HVAC (Heating, Ventilation and Air Conditioning)	**Principles of Construction** (1 credit)	**HVAC and Refrigeration Technology I** (1 credit) **AND Sheet Metal** (1 credit) *Prerequisite: Principles of Construction*	**HVAC and Refrigeration Technology II** (2 credits) *Prerequisite: HVAC & Refrigeration I*	**Practicum in Construction Technology** (2 credits) *Prerequisite: 3 credits in the HVAC Program including HVAC & Refrigeration II*	**Introduction to Welding** (1 credit), **Electrical Technology I** (1 credit), **Construction Technology I** (2 credits), **Applied Math for Technical Professionals** (1 credit), **Entrepreneurship** (1 credit but taught in 1 semester)
Plumbing Technology	**Principles of Construction** (1 credit)	**Plumbing Technology I** (1 credit) **AND Pipefitting Technology I** (1 credit) *Prerequisite: Principles of Construction*	**Plumbing Technology II** (2 credits) *Prerequisite: Plumbing Technology I*	**Practicum in Construction Technology** (2 credits) *Prerequisite: 3 credits in the Plumbing and Pipefitting program including Plumbing Tech II*	**Introduction to Welding** (1 credit), **Construction Technology I** (2 credits), **Applied Math for Technical Professionals** (1 credit), **Entrepreneurship** (1 credit but taught in 1 semester)

Electrical Technology	**Principles of Construction** (1 credit)	**Electrical Technology I** (1 credit) *Prerequisite: Principles of Construction*	**Electrical Technology II** (2 credits) *Prerequisite: Electrical Technology I*	**Practicum in Construction Technology** (2 credits) *Prerequisite: 3 credits in the Electrical program including Electrical Technology II*	**Introduction to Welding** (1 credit), **Construction Technology I** (2 credits). **Applied Math for Technical Professionals** (1 credit), **Entrepreneurship** (1 credit but taught in 1 semester)
Interior Design	**Principles of Architecture** (1 credit)	**Interior Design I** (1 credit) *Prerequisite: Principles of Architecture, Algebra I, and English 1*	**Interior Design II** (2 credits) *Prerequisite: Interior Design I, English II, and Geometry*	**Practicum in Architectural Design** (2 credits) *Prerequisite: 3 credits in the Interior Design Program, including Interior Design II*	**Architectural Design I** (1 credit), **Civil Engineering** (1 credit)

******Optional electives **<u>do not</u>** replace required pathway courses******

Certifications / Certificate Opportunities Based on Program of Study
^ Autodesk Revit Certified User (Architecture) OSHA General Certification (Construction) ^ NCCER Core (Construction) SkillsUSA Workforce Ready (Construction) Cyber Safety Awareness (Construction) SP2 - Certification Training (Construction) Interior Design Fundamentals Pre-Pac Certification (Interior Design) FAA: Part 107 Remote Drone Pilot (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
TSA—Technology Student Association (Architecture) SkillsUSA (Construction) BPA—Business Professionals of America (Interior Design) FCCLA—Family Career & Community Leaders of America (Interior Design)

Additional Course Information
Credits: Applied Math for Technical Professionals can be used for math credit. **Fees:** Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. **Location:** Courses shaded in gray will be taught at the **Keller Center for Advanced Learning.**

Principles of Architecture

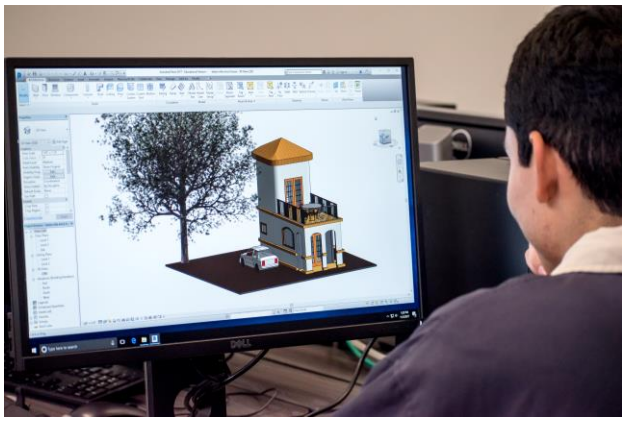
TEDS: 13004210 **KISD KCAL:** 81200
Credit: 1 **KISD (Interior Design):** 81209
Grade: 9-11
Recommended prerequisite: None

Principles of Architecture provides an overview to the various fields of architecture and interior design. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; and reading technical drawings. Class is taught at the Keller Center for Advanced Learning for Architecture pathway students; class is taught at the home campus for Interior Design pathway students.

Architectural Design I

TEDS: 13004600 **KISD:** 81210
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Architecture, Algebra I, and English I

In Architectural Design I, students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural design includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for residential architectural purposes.



Architectural Design II

TEDS: 13004700 **KISD:** 81211
Credit: 2
Grade: 11-12
Recommended prerequisite: Architectural Design I (or Interior Design II) and Geometry

In Architectural Design II, students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural Design II includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or multi-family architectural purposes.

Practicum in Architectural Design

TEDS: 13004800 I **KISD KCAL:** 81213
TEDS: 13004800 I **KISD Home Campus:** 81212
TEDS: 13004810 II **KISD:** 82212
Credit: 2
Grade: 11-12
Recommended prerequisite: 3 credits in architectural design program including Architectural Design II or Interior Design II

Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study. Instruction may be delivered through laboratory training or through career preparation delivery arrangements. Class is taught at the Keller Center for Advanced Learning for Architecture pathway students; class is taught at the home campus for Interior Design pathway students.

Principles of Construction

TEDS: 13004220 **KISD:** 81220
Credit: 1
Grade: 9-11
Recommended prerequisite: None

Principles of Construction provides an overview to the various fields of construction science and construction technology. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging.

Construction Technology I

TEDS: 13005100 **KISD:** 8825
Credits: 2
Grade: 10-12
Recommended prerequisite: Principles of Construction

In Construction Technology I, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors, or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

Construction Technology II

TEDS: 13005200 **KISD:** 8827
Credits: 2
Grade: 11-12
Required prerequisite: Construction Technology I

In Construction Technology II, students gain knowledge and skills specific to those needed to enter the workforce as carpenters or building maintenance supervisors or build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Technology includes the knowledge of the design, techniques, and tools related to the management of architectural and engineering projects. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills.

Practicum in Construction Technology

TEDS: 13005250 **KISD:** 81225
Credits: 2
Grade: 12
Required prerequisite: HVAC II, or Plumbing Technology II, or Electrical Technology II, or Construction Technology II

In Practicum in Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.

Practicum in Construction Management

TEDS: 13006200 **KISD:** 81224
Credit: 2
Grade: 11-12
Recommended prerequisite: 3 credits in construction management program including Construction Management II

Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. Instruction may be delivered through laboratory training or through career preparation delivery arrangements.

Introduction to Welding

TEDS: 13032250 **KISD:** 8884
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Introduction to Welding will provide an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to welding and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

Applied Mathematics for Technical Professionals

TEDS: 12701410 **KISD:** 84013
Credit: 1
Grade: 11-12

When possible, students will apply mathematics to problems arising in everyday life, society, and the workplace. Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, paper and pencil, and technology and techniques such as mental math, estimation, and number sense to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language. Students will use mathematical relationships to generate solutions and make connections and predictions. Students will analyze mathematical relationships to connect and communicate mathematical ideas. Students will display, explain, or justify mathematical ideas and arguments using precise mathematical language in written or oral communication. This course counts for a math credit.

Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I

TEDS: 13005800 **KISD:** 84011
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Construction

In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I, students will gain knowledge and skills needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance industry, prepare for a postsecondary degree in a specified field of construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, principles of HVAC theory, use of tools, codes, and installation of HVAC and refrigeration equipment.

Sheet Metal

TEDS: N1300430 **KISD:** 84018
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Construction

The purpose of the Sheet Metal Technology course is to prepare students in grades 11-12 for entry into the HVAC/Mechanical sheet metal installation industry. Students will learn the types of work performed, safety requirements, math skills needed and career path options within the sheet metal trades. Additionally, students will learn and apply the knowledge and skills needed to select the proper material, tools and joining methods for various types of HVAC and exhaust systems. Basic code requirements and Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) design principles will be introduced.

Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II

TEDS: 13005900 **KISD:** 84012
Credits: 2
Grade: 11-12
Required prerequisites: Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I

In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II, students will gain advanced knowledge and skills needed to enter the industry as HVAC and refrigeration technicians or building maintenance technicians or supervisors, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, use of tools, codes, installation of commercial HVAC equipment, heat pumps, troubleshooting techniques, various duct systems, and maintenance practices.

Plumbing Technology I

TEDS: 13006000 **KISD:** 84014
Credit: 1
Grade: 10
Recommended prerequisite: Principles of Architecture, Principles of Construction, or Construction Technology I.

In Plumbing Technology, I, students will gain knowledge and skills needed to enter the industry as a plumbing apprentice, building maintenance technician, or supervisor or prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in industry workplace basics and employer/customer expectations, including how to use a plumbing code book; how to identify and use power and hand tools; how to be safe on the job site and when using hand and power tools; how to apply basic plumbing mathematics and plumbing drawing; and how to identify, fit, and use plastic, copper, cast iron, carbon steel, and corrugated stainless steel pipe.

Plumbing Technology II

TEDS: 13006100 **KISD:** 84015
Credit: 2
Grade: 11-12
Required prerequisite: Plumbing Technology I

In Plumbing Technology II, students will gain the advanced knowledge and skills needed to enter the industry as a plumber, building maintenance technician, or supervisor or prepare for a postsecondary degree in mechanical engineering. Students will acquire knowledge and skills in plumbing codes, industry workplace basics, and employer/customer expectations, including tool and jobsite safety, advanced plumbing mathematics, commercial drawings, basic electricity, hanger installation, supports and structural penetrations, roof drains, fixture installation, valves and faucets, and oxy-fuel safety. Students will also learn about setup, cutting, brazing, and welding water system sizing; gas, drain, waste and vent installation and testing; and water heater installation.

Pipefitting Technology I

TEDS: N1300425 **KISD:** 84016
Credit: 1
Grade: 10-12
Required prerequisites: Algebra I and Geometry

Students will learn the types of work performed, responsibilities and career opportunities within the industry, and safety principles associated with pipefitting. Additionally, students will learn care, selection, and use of hand and power tools of the trade and ladder and scaffold safety, selection, construction, and the associated hazards. Oxyfuel cutting and associated safety procedures will be reinforced. Students will learn the maintenance, operation, and safety of motorized equipment. This class may lead to the National Center for Construction Education and Research (NCCER) certification.

Electrical Technology I

TEDS: 13005600 **KISD:** 88820
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Construction

In Electrical Technology I, students will gain knowledge and skills needed to enter the workforce as an electrician or building maintenance supervisor, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications.

Electrical Technology II

TEDS: 13005700 **KISD:** 88821
Credits: 2
Grade: 11-12
Required prerequisite: Electrical Technology I

In Electrical Technology II, students will gain advanced knowledge and skills needed to enter the workforce as an electrician, a building maintenance technician, or a supervisor; prepare for a postsecondary degree in a specified field of construction or construction management; or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, alternating current and direct current motors, conductor installation, installation of electrical services, and electric lighting installation.

Interior Design I

TEDS: 13004300 **KISD:** 81202
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Architecture, Algebra I, and English I

Interior Design I is a technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Individuals use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, and compete in industry.

Interior Design II

TEDS: 13004400 **KISD:** 81203
Credit: 2
Grade: 11-12
Recommended prerequisite: Interior Design I, English II, and Geometry

Interior Design II is a technical laboratory course that includes the knowledge of the employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior spatial design.

Civil Engineering and Architecture

TEDS: N1303747 **KISD:** 82644
Credit: 1
Grade: 11-12
Recommended prerequisite: Engineering Science, Algebra I, and Geometry

In this course, students will learn important aspects of building and site design, and then they apply what they know to design a building. They will use math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software.

Scientific Research & Design: Introduction to Unmanned Aerial Vehicles

TEDS: 13037200 **KISD:** 82733
Credit: 1
Grade: 10-12
Recommended prerequisite: Engineering Science

The Introduction to Unmanned Aerial Vehicle course is designed to prepare students for entry-level employment or continuing education in piloting UAV operations. The course is designed to instruct students in UAV flight navigation, industry law and regulations, and safety regulations. Students are also exposed to mission planning procedures, environmental factors, and human factors involved in the UAV industry.

Entrepreneurship

TEDS: 13034400 **KISD:** 82503
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit. Students earn 1 credit for this course, but the course is taught in 1 semester.

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Design & Multimedia Arts	**Principles of Arts, Audio/Video Technology and Communications** (1 credit), **OR** **Animation I** (1 credit), **OR** **Graphic Design and Illustration I** (1 credit)	**Choose 1 of the following courses:** **Animation I** (1 credit), **Graphic Design and Illustration I** (1 credit) **OR** **Animation II/Animation II Lab** (2 credits), **Graphic Design and Illustration II/Graphic Design and Illustration II Lab** (2 credits)	**Choose 1 of the following courses:** **Animation I** (1 credit), **Animation II/Animation II Lab** (2 credits), **Graphic Design and Illustration I** (1 credit), **Graphic Design and Illustration II/Graphic Design and Illustration II Lab** (2 credits) **Practicum in Animation** (2 credits), **Practicum in Graphic Design and Illustration** (2 credits)	**Choose 1 of the following courses:** **Animation II/Animation II Lab** (2 credits), **Graphic Design and Illustration II/Graphic Design and Illustration II Lab** (2 credits), **Practicum in Animation** (2 credits), **Practicum in Graphic Design and Illustration** (2 credits), **Practicum in Animation II** (2 credits), **Practicum in Graphic Design and Illustration II** (2 credits)	**Commercial Photography I** (1 credit), **Digital Media** (1 credit), **Social Media Marketing** (.5 credit)
Digital Communications	**Principles of Arts, Audio / Video Technology and Communications** (1 credit) **OR** **Audio / Video Production I** (1 credit)	**Audio / Video Production I** (1 credit) **OR** **Audio / Video Production II/ Audio/Video Production II Lab** (2 credits)	**Audio / Video Production II/ Audio/Video Production II Lab** (2 credits) **OR** **Practicum in Audio/Video Production** (2 credits)	**Practicum in Audio/Video Production** (2 credits) **OR** **Practicum in Audio/Video Production II** (2 credits)	**Commercial Photography I** (1 credit) **SR &D: UAV** (1 credit)
Fashion Design (at Keller HS only)	**Principles of Arts, Audio / Video Technology and Communications** (1 credit)	**Fashion Design I** (1 credit)	**Fashion Design II/ Fashion Design II Lab** (2 credits) *Prerequisite: Fashion Design I*	**Practicum in Entrepreneurship** (2 credits)	**Fashion Marketing** (.5 credit), **Digital Media** (1 credit), **Entrepreneurship** (1 credit but taught in 1 semester)

Optional electives **do not replace required pathway courses**

Certifications / Certificate Opportunities Based on Program of Study
Adobe ACA After Effects (Animation) ^ Adobe ACA Animate (Animation) Autodesk Certified User (ACU) – Maya (Animation) OSHA General Certification (Audio/Video) Adobe Audition (Audio/Video) Adobe After Effects (Audio/Video) ^ Adobe Premiere Pro (Audio/Video) SBE Television Operator (Audio/Video) ProTools (Audio/Video) Adobe ACA Photoshop (Commercial Photography) Interior Design Fundamentals Pre-Pac Certification (Fashion Design) ^ Adobe InDesign (Graphic Design) ^ Adobe Photoshop (Graphic Design) ^ Adobe Illustrator (Graphic Design) (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
SkillsUSA (Animation, Audio/Video, Commercial Photography, Graphic Design) BPA—Business Professionals of America (Fashion Design) FCCLA—Family Career & Community Leaders of America (Fashion Design)

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. **Location:** Courses shaded in gray will be taught at the **Keller Center for Advanced Learning.**

Principles of Arts, Audio/Video Technology, and Communications

TEDS: 13008200 **KISD:** 81300
Credit: 1
Grade: 9-11
Recommended prerequisite: None

Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. Topics such as introductions to graphic design and audio/video production will be included.

Animation I

TEDS: 13008300 **KISD:** 81302
Credit: 1
Grade: 9-12
Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

Animation II/Animation II Lab

TEDS: 13008410 **KISD:** 81306
Credit: 2
Grade: 10-12
Recommended prerequisite: Animation I

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry.

Practicum in Animation

TEDS: 13008450 I **KISD:** 81308
TEDS: 13008460 II **KISD:** 82308
Credit: 2
Grade: 11-12
Recommended prerequisite: Animation II/Animation II Lab

Careers in animation span all aspects of the motion graphics industry. Within this context, students will develop technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster. Building upon the concepts taught in previous animation courses, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment and a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students will also have the opportunity to earn certifications in Adobe ACA After Effects, Adobe ACA Animate, and Autodesk Certified User (ACU) – Maya in this class.

Graphic Design and Illustration I

TEDS: 13008800 **KISD:** 81322
Credit: 1
Grade: 9 -12
Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements, principles of visual art and design, copyright law, and color theory and audience awareness. Students will work toward obtaining entry-level industry certifications for Adobe applications, including Photoshop, Illustrator, and InDesign.

Graphic Design and Illustration II/ Graphic Design and Illustration II Lab

TEDS: 13008910 **KISD:** 81326
Credit: 2
Grade: 10 -12
Recommended prerequisite: Graphic Design I

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Students will learn about and use industry level print equipment including sublimation, plotter, digital print press, UV, laser, large format, and more.

Practicum in Graphic Design and Illustration

TEDS: 13009000 I **KISD:** 81328
TEDS: 13009010 II **KISD:** 81329
Credit: 2
Grade: 11-12
Recommended prerequisite: Graphic Design II/ Graphic Design II Lab

Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students will take the knowledge and skills learned in levels I and II and use them to take job requests from start to finish with both internal and external customers. These job requests will include job receipt, customer contact (email and/or phone), design, production, product delivery, and invoicing.

Audio/Video Production I

TEDS: 13008500 **KISD:** 81312
Credit: 1
Grade: 9 -12
Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities.

Audio/Video Production II/ Audio/Video Production II Lab

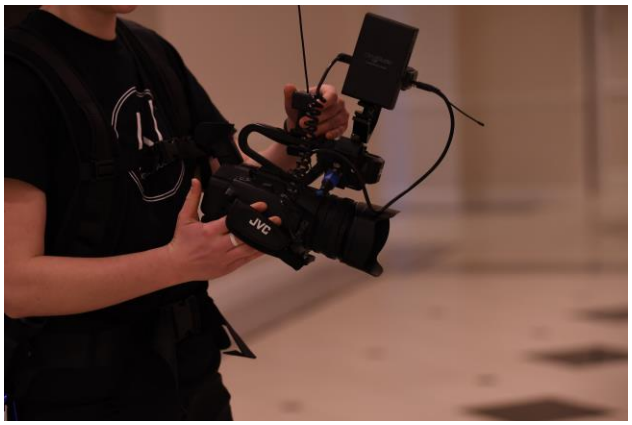
TEDS: 13008610 **KISD:** 81316
Credit: 2
Grade: 10-12
Recommended prerequisite: Audio/Video Production I

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. This course may be implemented in an advanced audio format or an advanced format, including audio, video, and radio.

Practicum in Audio/Video Production

TEDS: 13008700 I **KISD:** 81318
TEDS: 13008700 II **KISD:** 81319
Credit: 2
Grade: 11-12
Recommended prerequisite: Audio/Video Production II/ Audio/Video Production II Lab

Careers in audio and technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on applying pre-production, production, and post-production audio, video, radio, or animation format.



Fashion Design I

TEDS: 13009300 **KISD:** 81342
Credit: 1
Grade: 10-12
Recommended prerequisite: None

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of fashion, textiles, and apparel. Students will be expected to develop an understanding of the fashion industry with an emphasis on design and construction.

Fashion Design II/Fashion Design II Lab

TEDS: 13009410 **KISD:** 81346
Credit: 2
Grade: 10-12
Recommended prerequisite: Fashion Design I and Graphic Design I

In this advanced course, students will learn how to design, sew, and market their own merchandise. Students will be expected to develop an advanced understanding of fashion, with emphasis on design and production industries.

Practicum in Entrepreneurship

TEDS: N1303425 **KISD:** 81347
Credit: 2
Grade: 11-12
Recommended prerequisite: None

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster.

Commercial Photography I

TEDS: 13009100 **KISD:** 81332
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

Digital Media

TEDS: 13027800 **KISD:** 82374
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications

Digital Media is a course designed to educate students on the ever-changing digital world, as well as to provide hands-on experience with industry-standard software and equipment. The curriculum covers a wide range of areas, so it appeals to a diverse group of students. Topics covered in Digital Media classes include graphic design, animation, audio production, video production, and web design. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society in their chosen career path.

Social Media Marketing

TEDS: 13034650 **KISD:** 82505
Credit: .5
Grade: 10-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Social Media Marketing is designed to look at the rise of social media and how it has transformed the business arena. Students will learn about the multi-disciplinary implications and how to manage a successful social media presence for an organization.

Fashion Marketing

TEDS: 13034300 **KISD:** 82502
Credit: .5
Grade: 10-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities.

Scientific Research & Design: Introduction to Unmanned Aerial Vehicles

TEDS: 13037200 **KISD:** 82733
Credit: 1
Grade: 10-12
Recommended prerequisite: Engineering Science

The Introduction to Unmanned Aerial Vehicle course is designed to prepare students for entry-level employment or continuing education in piloting UAV operations. The course is designed to instruct students in UAV flight navigation, industry law and regulations, and safety regulations. Students are also exposed to mission planning procedures, environmental factors, and human factors involved in the UAV industry.

Entrepreneurship

iChoose

TEDS: 13034400 **KISD:** 82503
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit. Students earn 1 credit for this course, but the course is taught in 1 semester.

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Business Management	**Principles of Business, Marketing, and Finance** (1 credit)	**Choose 1 of the following courses:** **Business Information Management I** (1 credit), **Business Management** (1 credit) *Prerequisite: Principles of Business, Marketing, and Finance*	**Choose 2 of the following courses:** **Business Information Management I** (1 credit), **Business Information Management II** (1 credit), **Business Management** (1 credit), **Statistics and Business Decision Making** (1 credit) *Prerequisite: Principles of Business, Marketing, and Finance and 1 additional business course*	**Choose 2 or more credits from the following courses:** **Practicum in Business Management** (2 credits), **Business Management** (1 credit), **Statistics and Business Decision Making** (1 credit) *Prerequisite: Algebra II* **Career Preparation I/Extended Career Preparation** (3 credits) *Prerequisite: 3 credits of business courses*	**Entrepreneurship** (1 credit but taught in 1 semester), **Global Business** (.5 credit), **Money Matters** (1 credit)

******Optional electives **<u>do not</u>** replace required pathway courses******

Certifications / Certificate Opportunities Based on Program of Study
^ Microsoft Office Specialist Word (MOS), Word Associate, Excel Associate, Power Point Associate, Outlook Associate, ^ Expert Word, ^ Expert Excel, Access Expert, MOS Associate, MOS Expert Office Proficient Assessment (OPAC), ^ Specialist Excel, ^ Office Master (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
BPA—Business Professionals of America DECA—Academic Marketing Association FBLA—Future Business Leaders of America SkillsUSA

Additional Course Information
Credits: Accounting II and Statistics and Business Decision Making can be used for math credit. **Fees:** Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.

Principles of Business, Marketing, and Finance

TEDS: 13011200 **KISD:** 81400
Credit: 1
Grade: 9-11
Recommended prerequisite: None

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

Business Information Management I

TEDS: 13011400 **KISD:** 81401
Credit: 1
Grade: 9-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

Business Information Management II

TEDS: 13011500 **KISD:** 81402
Credit: 1
Grade: 10-12
Recommended prerequisite: Business Information Management I

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software. Students will also have the opportunity to earn their Microsoft Office Specialist (MOS) certification in this class.

Business Management

TEDS: 13012100 **KISD:** 81405
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Students recognize, evaluate and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

Practicum in Business Management

TEDS: 13012200 **KISD:** 81414
Credit: 2
Grade: 12
Recommended prerequisite: 3 credits of business courses

The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Statistics and Business Decision Making

TEDS: 13016900 ☑ **KISD:** 81621
Credit: 1
Grade: 11-12
Recommended prerequisite: Algebra II

Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will explore careers in the area of risk management and will learn to plan, monitor, and control day-to-day activities to enable continued functioning in finance. Students will analyze accounting systems to examine financial stability. Students will explain the role and impact of dividends in corporate finance. Students will access, process, maintain, evaluate, and disseminate, financial information to assist business decision-making. This course counts as a math credit.

Career Preparation I/ Extended Career Preparation

TEDS: 12701305 **KISD:** 81003
Credit: 3
Grade: 11-12
Recommended prerequisite: 3 credits of business courses

This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and on the job internships in any approved career-tech specific training area. Internship placement must be teacher approved and fall within the guidelines and requirements in order for students to qualify for enrollment in this program.

Money Matters

TEDS: 13016200 **KISD:** 81600
Credit: 1
Grade: 9-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long term financial goals based on those options. Students will determine methods of achieving long term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

Entrepreneurship

iChoose

TEDS: 13034400 **KISD:** 82503
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit. Students earn 1 credit for this course, but the course is taught in 1 semester.

Global Business

TEDS: 13011800 **KISD:** 8305
Credit: .5
Grade: 10-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce and postsecondary education. Students apply technical skills to address global business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment.

Business Communications*

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Debate	**Debate I** (1 credit)	**Debate II** (1 credit) **OR** **Oral Interpretation I** (1 credit) *Prerequisite: Debate 1*	**Debate III** (1 credit) **OR** **Oral Interpretation II** (1 credit) *Prerequisite: 2 credits in Debate pathway*	**Independent Study in Speech** (1 credit) *Prerequisite: 3 credits in Debate pathway*
Broadcast Journalism	**Contemporary Media** (1 credit)	**Advanced Broadcast Journalism I** (1 credit) *Prerequisite: Contemporary Media*	**Advanced Broadcast Journalism II** (1 credit) *Prerequisite: Advanced Broadcast Journalism I*	**Advanced Broadcast Journalism III** (1 credit) *Prerequisite: Advanced Broadcast Journalism II*
Newspaper	**Contemporary Media** (1 credit)	**Newspaper I** (1 credit) *Prerequisite: Contemporary Media*	**Newspaper II** (1 credit) *Prerequisite: Newspaper I*	**Newspaper III** (1 credit) *Prerequisite: Newspaper II*
Yearbook	**Contemporary Media** (1 credit)	**Yearbook I** (1 credit) *Prerequisite: Contemporary Media*	**Yearbook II** (1 credit) *Prerequisite: Yearbook I*	**Yearbook III** (1 credit) *Prerequisite: Yearbook II*

***Denotes non-CTE Pathways**

Student Organizations

Forensics
Debate Club
Campus Newspaper
Campus Yearbook

Debate I-III

TEDS: 03240600 I **KISD:** 1403
TEDS: 03240700 II **KISD:** 1413
TEDS: 03240800 III ☑ **KISD:** 1423
Credit: 1
Grade: 9-12
Recommended prerequisite: Debate I

Controversial issues arise in aspects of personal, social public, and professional life in modern society. Debate and argumentation are widely used to make decisions and reduce conflict. Students who develop skills in argumentation and debate become interested in current issues, develop sound critical thinking, and sharpen communication skills. They acquire life-long skills for intelligently approaching controversial issues.

Oral Interpretation I-II

TEDS: 03240200 I **KISD:** 1462
TEDS: 03240300 II **KISD:** 1471
Credit: 1
Grade: 10-12
Recommended prerequisite: Debate I

Literature and its presentation are integral to understanding the cultural aspects of a society. Students in Oral Interpretation I-II will select, research, analyze, adapt, interpret, and perform literary texts as a communication art. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated. Competitive events are required.

Independent Study in Speech

TEDS: 03241200 **KISD:** 1463
Credit: 1
Grade: 10-12
Recommended prerequisite: 3 credits in debate pathway

Communication skills are important in all aspects of life. Students who have mastered concepts and developed skills in introductory courses should be provided with opportunities to extend their knowledge and expand their skills in more advanced study. Independent Study in Speech provides opportunities for advanced students to plan, organize, produce, perform, and evaluate a project that enables them to develop advanced skills in communication, critical thinking, and problem solving.

Contemporary Media

TEDS: 03241401 **KISD:** 1365
Credit: 1
Grade: 9-12
Recommended prerequisite: None

In this course, students will learn to identify the history and evolution of media used for mass communication, specifically how media influences tastes, behavior, purchasing, and voting decisions. Students who are media literate understand television, radio, film, and other visual images and auditory messages. They will learn to recognize the types and functions of mass media, such as television, radio, Internet, podcast, YouTube, newspaper, periodicals, blogs, social networking, emailing, texting, search engines, and music. They will identify and analyze regulations that govern media and interpret the influence of that media. They will also analyze, create, and evaluate visual and auditory messages, including developing skills for organizing, writing, and designing media messages for specific purposes and effects. *This course can fulfill the 21st century skill requirement for students in the broadcast journalism, yearbook, or newspaper pathways only.*

Advanced Journalism Newspaper I-III

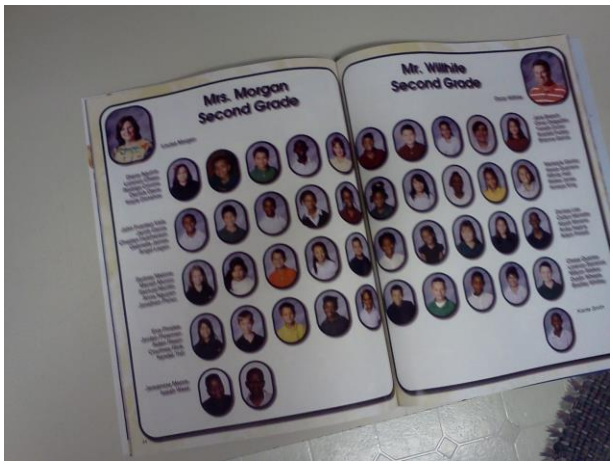
TEDS: 03230140 I **KISD:** 13331
TEDS: 03230150 II **KISD:** 13332
TEDS: 03230160 III **KISD:** 13333
Credit: 1
Grade: 10-12
Recommended prerequisite: Contemporary Media

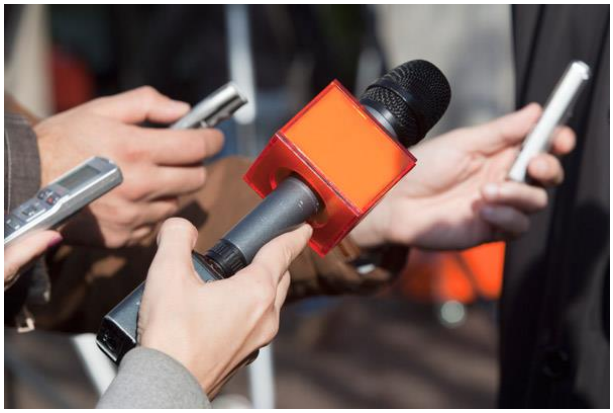
Students enrolled in Advanced Journalism: Newspaper I, II, III communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Newspaper I, II, III, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Newspaper I, II, III will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

Advanced Journalism Yearbook I-III

TEDS: 03230110 I **KISD:** 13531
TEDS: 03230120 II **KISD:** 13532
TEDS: 03230130 III **KISD:** 13533
Credit: 1
Grade: 10-12
Recommended prerequisite: Contemporary Media

Students enrolled in Advanced Journalism: Yearbook I, II, III communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Yearbook I, II, III, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Yearbook I, II, III will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.





Advanced Broadcast Journalism I-III

TEDS: 03231900 I **KISD:** 1313
TEDS: 03231901 II **KISD:** 13231
TEDS: 03231902 III **KISD:** 13232
Credit: 1
Grade: 10-12
Recommended prerequisite: Contemporary Media

Students need to be critical viewers, consumers, and producers of media. The ability to access, analyze, evaluate, and produce communication in a variety of forms is an important part of language development. High school students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

Finance

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Accounting and Financial Services	**Principles of Business, Marketing, and Finance** (1 credit)	**Accounting I** (1 credit), *Prerequisite: Principles of Business, Marketing, and Finance*	**Business Information Management I** (1 credit) **AND Accounting II** (1 credit), *Prerequisite: Accounting I*	**Practicum in Business Management** (2 credits) *Prerequisite: 3 credits of Business courses*	**Entrepreneurship** (1 credit but taught in 1 semester), **Global Business** (.5 credit), **Money Matters** (1 credit), **Business Information Management II** (1 credit), **Statistics and Business Decision Making** (1 credit)

Optional electives **do not replace required pathway courses**

Certifications / Certificate Opportunities Based on Program of Study
Everfi Financial Literacy ^ Microsoft Office Specialist Excel (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
BPA—Business Professionals of America

Additional Course Information
Credits: Accounting II and Statistics and Business Decision Making can be used for math credit. **Fees:** Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.

Principles of Business, Marketing, and Finance

TEDS: 13011200 **KISD:** 81400
Credit: 1
Grade: 9-11
Recommended prerequisite: None

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

Accounting I

TEDS: 13016600 **KISD:** 81610
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making.

Accounting II

TEDS: 13016700 **KISD:** 81611
Credit: 1
Grade: 10-12
Recommended prerequisite: Accounting I

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. This course counts as a math credit. *This course receives Honors weight for the class of 2025 and beyond.*

Accounting II Honors

TEDS: 13016700 **KISD:** 81622
Credit: 1
Grade: 10-12
Recommended prerequisite: Accounting I

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision-making. Students will be expected to show commitment to the course work and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study of accounting concepts. This course counts as a weighted math credit. It is taught at all main campuses. This course receives Honors weight for the class of 2025 and beyond.

Practicum in Business Management

TEDS: 13012200 **KISD:** 81414
Credit: 2
Grade: 12
Recommended prerequisite: 3 credits of business courses

The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Business Information Management I

TEDS: 13011400 **KISD:** 81401
Credit: 1
Grade: 9-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

Entrepreneurship

TEDS: 13034400 **KISD:** 82503
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit. Students earn 1 credit for this course, but the course is taught in 1 semester.

Business Information Management II

TEDS: 13011500 **KISD:** 81402
Credit: 1
Grade: 10-12
Recommended prerequisite: Business Information Management I

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software. Students will also have the opportunity to earn their Microsoft Office Specialist (MOS) certification in this class.

Global Business

TEDS: 13011800 **KISD:** 8305
Credit: .5
Grade: 10-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce and postsecondary education. Students apply technical skills to address global business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment.

Money Matters

TEDS: 13016200 **KISD:** 81600
Credit: 1
Grade: 9-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long term financial goals based on those options. Students will determine methods of achieving long term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

Statistics and Business Decision Making

TEDS: 13016900 ☑ **KISD:** 81621
Credit: 1
Grade: 11-12
Recommended prerequisite: Algebra II

Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will explore careers in the area of risk management and will learn to plan, monitor, and control day-to-day activities to enable continued functioning in finance. Students will analyze accounting systems to examine financial stability. Students will explain the role and impact of dividends in corporate finance. Students will access, process, maintain, evaluate, and disseminate, financial information to assist business decision-making. This course counts as a math credit.

Hospitality & Tourism

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Culinary Arts	**Introduction to Culinary Arts** (1 credit)	**Culinary Arts** (2 credits but taught in 1 period) *Prerequisite: Introduction to Culinary Arts*	**Advanced Culinary Arts** (2 credits) *Prerequisite: Culinary Arts*	**Practicum in Culinary Arts** (2 credits) *Prerequisite: Advanced Culinary Arts*	**Lifetime Nutrition & Wellness** (.5 credit)

Optional electives **do not replace required pathway courses**

Certifications / Certificate Opportunities Based on Program of Study
ServSafe Food Handler (Texas) ^ ServSafe Food Manager CPR and First Aid (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
FCCLA—Family Career & Community Leaders of America ProStart School

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. **Location:** Courses shaded in gray will be taught at the **Keller Center for Advanced Learning**.

Introduction to Culinary Arts

TEDS: 13022550 **KISD:** 81901
Credit: 1
Grade: 9-12
Recommended prerequisite: None

The Hospitality and Tourism Career Cl
uster focuses on the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel-related services. This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. It will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry-level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

Culinary Arts

TEDS: 13022600 **KISD:** 81902
Credit: 2
Grade: 10-12
Recommended prerequisite: Introduction to Culinary Arts

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation and safety certification or other appropriate industry certification. This course will be offered as a classroom and laboratory-based course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. Students earn 2 credits for this course, but the course is taught in 1 class period.

Advanced Culinary Arts

TEDS: 13022650 **KISD:** 81903
Credit: 2
Grade: 11-12
Recommended prerequisite: Culinary Arts

Advanced Culinary Arts focuses on the management, marketing, and operations of restaurants and other food/beverage services. This course will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. Students can pursue a national certification as a food protection manager.

Practicum in Culinary Arts

TEDS: 13022700 I **KISD:** 81905
TEDS: 13022710 II **KISD:** 81906
Credit: 2
Grade: 11-12
Recommended prerequisite: Advanced Culinary Arts

This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace.

Lifetime Nutrition and Wellness iChoose

TEDS: 13024500 **KISD:** 82101
Credit: .5
Grade: 9-12
Recommended prerequisite: Principles of Health Science

This laboratory course allows students to use principles of lifetime wellness and nutrition, including knowledge of nutritionally balanced diets, to help them make informed choices that promotes wellness, as well as pursues careers related to human services. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extra-curricular organizations.

Information Technology

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Networking Systems/ Maintenance	**Computer Maintenance** (1 credit) *Prerequisite: None*	**Networking/ Networking Lab** (2 credits) *Prerequisite: Computer Maintenance*	**Practicum in Information Technology I: Networking Systems/Maintenance** (2 credits) *Prerequisite: Computer Maintenance and Networking/Networking Lab*	**Practicum in Information Technology II: Networking Systems/Maintenance** (2 credits) **OR** **Career Preparation I: Networking** (2 credits) *Prerequisite: Practicum in IT I*	**Digital Forensics** (1 credit)

******Optional electives **do not** replace required pathway courses******

Certifications / Certificate Opportunities Based on Program of Study
A+ Certification ^ Comp Tia IT Fundamentals+ Comp TIA ITF Network Pro ^ Comp Tia Network + (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
SkillsUSA

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. **Location:** Courses shaded in gray will be taught at the **Keller Center for Advanced Learning.**

Computer Maintenance

TEDS: 13027300 **KISD:** 82311
Credit: 1
Grade: 10-12
Recommended prerequisite: None

Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems. To prepare for success, students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Networking/Networking Lab

TEDS: 13027410 **KISD:** 82322
Credit: 2
Grade: 11-12
Recommended prerequisite: Computer Maintenance

Students develop knowledge of the concepts and skills related to telecommunications, network security, cloud technology, data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Practicum in Information Technology: Networking Systems/Maintenance

TEDS: 13028000 I **KISD:** 82366
TEDS: 13028010 II **KISD:** 82364
Credit: 2
Grade: 11-12
Recommended prerequisite: Computer Maintenance and Networking/Networking Lab

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communications, and reasoning skills and apply them to the information technology environment. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an internship, as part of a capstone project, or as career preparation.

Career Preparation I: Networking

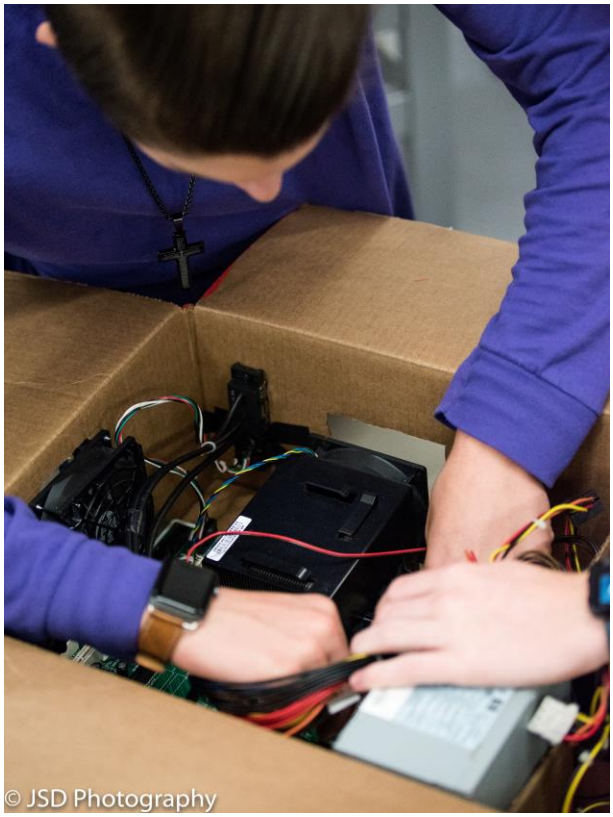
TEDS: 12701300 **KISD:** 82044
Credit: 2
Grade: 12
Recommended prerequisite: 3 credits of Networking courses

This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and on the job internships in any approved career-tech specific training area. Internship placement must be teacher approved and fall within the guidelines and requirements in order for students to qualify for enrollment in this program. The student must work an average of 10 hours per week.

Digital Forensics

TEDS: 03580360 **KISD:** 82375
Credit: 1
Grade: 11-12
Recommended prerequisite: Cybersecurity

Digital forensics is an evolving discipline concerned with analyzing anomalous activity on computers, networks, programs, and data. As a discipline, it has grown with the emergence of a globally connected digital society. As computing has become more sophisticated, so too have the abilities of malicious agents to access systems and private information. By evaluating prior incidents, digital forensics professionals have the ability to investigate and craft appropriate responses to disruptions to corporations, governments, and individuals. Whereas cybersecurity takes a proactive approach to information assurance to minimize harm, digital forensics takes a reactive approach to incident response. The course provides a survey of the field of digital forensics and incident response, including ethics and laws and digital citizenship.



Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Welding	**Introduction to Welding** (1 credit)	**Welding I** (2 credits) *Prerequisite: Introduction to Welding*	**Welding II** (2 credits) *Prerequisite: Welding I*	**Practicum in Manufacturing** (2 credits) *Prerequisite: 3 credits in the Welding program, including Welding II*	**Construction Technology I** (2 credits), **Applied Math for Technical Professionals** (1 credit)

Optional electives **do not replace required pathway courses**

Certifications / Certificate Opportunities Based on Program of Study
AWS D1.1 Structural Steel Welding Level 1
Career and Technical Student Organization (CTSO)
FFA TSA

Additional Course Information

Credits: Applied Math for Technical Professionals can be used as a math credit.

Fees:
Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.

Location:
Courses shaded in gray will be taught at the **Keller Center for Advanced Learning.**

Introduction to Welding

TEDS: 13032250 **KISD:** 8884
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Introduction to Welding will provide an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to welding and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

Welding I

TEDS: 13032300 **KISD:** 88830
Credits: 2
Grade: 10-12
Recommended prerequisite: Introduction to Welding

Welding I provide the knowledge, skills, and technologies required for employment in metal technology systems. Students will develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

Welding II

TEDS: 13032400 **KISD:** 88831
Credits: 2
Grade: 11-12
Required prerequisite: Welding I

Welding II builds on the knowledge and skills developed in Welding I. Students will develop advanced welding concepts and skills as related to personal and career development. Students will integrate academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Practicum in Manufacturing

TEDS: 13033000 **KISD:** 88801
Credits: 2
Grade: 12

The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Construction Technology I

TEDS: 13005100 **KISD:** 8825
Credits: 2
Grade: 10-12
Recommended prerequisite: Principles of Construction

In Construction Technology I, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors, or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

Applied Mathematics for Technical Professionals

TEDS: 12701410 **KISD:** 84013
Credit: 1
Grade: 11-12

When possible, students will apply mathematics to problems arising in everyday life, society, and the workplace. Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools such as real objects, manipulatives, paper and pencil, and technology and techniques such as mental math, estimation, and number sense to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language. Students will use mathematical relationships to generate solutions and make connections and predictions. Students will analyze mathematical relationships to connect and communicate mathematical ideas. Students will display, explain, or justify mathematical ideas and arguments using precise mathematical language in written or oral communication. This course counts for a math credit.

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Marketing	**Principles of Business, Marketing & Finance** (1 credit)	**Advertising** (.5 credit) **AND** **Choose one or more of the following courses:** **Fashion Marketing** (.5 credit), **Sports & Entertainment Marketing** (.5 credit), **Social Media Marketing** (.5 credit) *Prerequisite: Principles of Business, Marketing, & Finance*	**Advanced Marketing** (2 credits) *Prerequisite: 2 credits of marketing courses*	**Practicum in Marketing** (2 credits) *Prerequisite: Advanced Marketing* **AND/OR** **Statistics and Business Decision Making** (1 credit) *Prerequisite: Algebra II* **OR** **Career Preparation I/Extended Career Preparation** (3 credits) *Prerequisite: 3 credits of Marketing courses*

******Optional electives **<u>do not</u>** replace required pathway courses******

Certifications / Certificate Opportunities Based on Program of Study
Everfi Venture ^ Google Analytics Individual Qual Microsoft Office Specialist Certification (MOS) (Word, Excel, PowerPoint, Access, Expert) (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
BPA—Business Professionals of America DECA—Academic Marketing Organization FBLA—Future Business Leaders of America

Additional Course Information
Credits: Statistics and Business Decision Making can be used for math credit. **Fees:** Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.

Principles of Business, Marketing, and Finance

TEDS: 13011200 **KISD:** 81400
Credit: 1
Grade: 9-11
Recommended prerequisite: None

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

Advertising

TEDS: 13034200 **KISD:** 82501
Credit: .5
Grade: 10-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Advertising is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and legal issues of advertising; historical influences, strategies, and media decision processes as well as integrated marketing communications. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

Fashion Marketing

TEDS: 13034300 **KISD:** 82502
Credit: .5
Grade: 10-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities.

Sports and Entertainment Marketing

TEDS: 13034600 **KISD:** 82504
Credit: .5
Grade: 10-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. This course will also provide students an opportunity to develop promotional plans, sponsorship proposals, endorsement contracts, sports and entertainment marketing plans, and evaluation and management techniques.

Social Media Marketing

TEDS: 13034650 **KISD:** 82505
Credit: .5
Grade: 10-12
Recommended prerequisite: Principles of Business, Marketing, and Finance

Social Media Marketing is designed to look at the rise of social media and how it has transformed the business arena. Students will learn about the multi-disciplinary implications and how to manage a successful social media presence for an organization.

Advanced Marketing

TEDS: 13034700 **KISD:** 82511
Credit: 2
Grade: 11-12
Recommended prerequisite: 2 credits of marketing courses

Advanced Marketing is a series of activities that focus on the customer to generate a profitable exchange. Students gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. This course may include paid or unpaid career preparation experience.

Practicum in Marketing

TEDS: 13034800 **KISD:** 82513
Credit: 2
Grade: 12
Recommended prerequisite: Advanced Marketing

Through course-required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer-service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education.

Statistics and Business Decision Making

TEDS: 13016900 ☑ **KISD:** 81621
Credit: 1
Grade: 11-12
Recommended prerequisite: Algebra II
Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will explore careers in the area of risk management and will learn to plan, monitor, and control day-to-day activities to enable continued functioning in finance. Students will analyze accounting systems to examine financial stability. Students will explain the role and impact of dividends in corporate finance. Students will access, process, maintain, evaluate, and disseminate, financial information to assist business decision-making. This course counts as a math credit.

Career Preparation I/ Extended Career Preparation

TEDS: 12701305 **KISD:** 81003
Credit: 3
Grade: 11-12
Recommended prerequisite: 3 credits of business courses

This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and on the job internships in any approved career-tech specific training area. Internship placement must be teacher approved and fall within the guidelines and requirements in order for students to qualify for enrollment in this program.

Transportation, Distribution & Logistics

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Automotive	**Automotive Basics** (1 credit)	**Automotive Technology I: Maintenance and Light Repair** (2 credits) *Prerequisite: Automotive Basics*	**Automotive Technology II: Automotive Service** (2 credits) *Prerequisite: Automotive Technology I*	**Choose 1 of the following:** **Practicum in Transportation Systems** (2 credits) **Career Preparation I: Auto** (2 credits) **OR** **Career Preparation I/ Extended Career Preparation: Auto** (3 credits) *Prerequisite: Automotive Technology II*

Certifications / Certificate Opportunities Based on Program of Study
^ ASE Student Certifications SP2 Environmental 609 HVAC Certification (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
Automotive Technology Club

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. **Location:** Courses shaded in gray will be taught at the **Keller Center for Advanced Learning.**

Automotive Basics

iChoose

TEDS: 13039550 **KISD:** 82730
Credit: 1
Grade: 9-11
Recommended prerequisite: None

Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Automotive Technology I: Maintenance and Light Repair

TEDS: 13039600 **KISD:** 82731
Credit: 2
Grade: 10-12
Recommended prerequisite: Automotive Basics

This course is designed to include knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. It includes applicable safety and environmental rules and regulations. Students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Automotive Technology II: Automotive Services

TEDS: 13039700 **KISD:** 82732
Credit: 2
Grade: 11-12
Recommended prerequisite: Automotive Technology I: Maintenance and Light Repair

This course is designed to include knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. It includes applicable safety and environmental rules and regulations. Students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Practicum in Transportation Systems

TEDS: 13040450 **KISD:** 82762
Credit: 2
Grade: 12
Recommended prerequisite: Automotive Technology II: Automotive Services

The Transportation, Career Cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also covers related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance. This practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or worked based.

Career Preparation I: Auto

TEDS: 12701300 **KISD:** 8204
Credit: 2
Grade: 11-12
Recommended prerequisite: 3 credits of Automotive Technology courses

This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and on the job internships in any approved career-tech specific training area. Internship placement must be teacher approved and fall within the guidelines and requirements in order for students to qualify for enrollment in this program. The student must work an average of 10 hours per week.

Career Preparation I/ Extended Career Preparation: Auto

TEDS: 12701305 **KISD:** 82013
Credit: 3
Grade: 11-12
Recommended prerequisite: 3 credits of Automotive Technology courses

This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and on the job internships in any approved career-tech specific training area. Internship placement must be teacher approved and fall within the guidelines and requirements in order for students to qualify for enrollment in this program. The student must work an average of 15 hours per week.

Public Services

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
Teaching and Training	**Principles of Education and Training** (1 credit)	**Child Development** (1 credit) *Prerequisite: Principles of Education & Training*	**Instructional Practices** (2 credits) *Prerequisite: Child Development*	**Practicum in Education & Training** (2 credits) *Prerequisite: Instructional Practices*	**Counseling and Mental Health** (1 credit), **Professional Communications** (.5 credit), **Psychology** (.5 credit), **Sociology** (.5 credit)

******Optional electives **do not** replace required pathway courses******

Certifications / Certificate Opportunities Based on Program of Study
CPR Certification / ^ Educational Aide I Education Fundamentals Pre-Pac Certification (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
FCCLA—Family Career & Community Leaders of America TAFE—Texas Association of Future Educators

Additional Course Information
Fees: Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.

Principles of Education and Training

TEDS: 13014200 **KISD:** 81500
Credit: 1
Grade: 9-11
Recommended prerequisite: None

Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers essential to careers within the education and training career cluster.

Child Development

TEDS: 13024700 K**ISD:** 82103
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Education and Training

Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

Instructional Practices

TEDS: 13014400 **KISD:** 81502
Credit: 2
Grade: 11-12
Recommended prerequisite: Human Growth and Development or Child Development

Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Practicum in Education and Training

TEDS: 13014500 **KISD:** 81504
Credit: 2
Grade: 12
Recommended prerequisite: Instructional Practices

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators in direct instructional roles with elementary, middle school, and high school aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

Counseling and Mental Health

TEDS: 13024600 **KISD:** 82102
Credit: 1
Grade: 11-12
Recommended prerequisite: Human Growth and Development or Child Development

Students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

Professional Communications

iChoose

TEDS: 13009900 **KISD:** 1465
Credit: .5
Grade: 9-12
Recommended prerequisite: None

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this text, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Psychology

iChoose

TEDS: 03350100 ☑ **KISD:** 4402
Credit: .5
Grade: 11-12
Recommended prerequisite: None

Psychology gives students the opportunity to study individual and group psychology. Students learn how the knowledge, methods and theories of psychologists are applied to analyzing human behavior. Course content is organized to help students develop critical attitudes toward superficial generalization about human behavior and to achieve a better understanding of human behavior in general.

Sociology

TEDS: 03370100 ☑ **KISD:** 4401
Credit: .5
Grade: 11-12
Recommended prerequisite: None

Sociology includes the nature of sociology, culture, socialization, groups, institutions, communication, and cultural development and change. The concepts will remain constant; however, the content may vary depending on the student interest. The student will have an opportunity to explore the major tools of the science of sociology. These will include, but are not limited to, analyzing types of groups and interaction among groups, understanding the impact of media on groups and analyzing the impact science and technology upon people and culture.

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Health Science: Biomedicine	**Medical Terminology** (1 credit)	**Health Science Theory** (1 credit)	**Medical Microbiology** (1 credit) **AND** **Anatomy and Physiology (home campus)** (1 credit) *Prerequisite: Health Science Theory, Biology, Chemistry*	**World Health Research** (1 credit) **AND** **Pathophysiology** (1 credit), **OR** **Practicum in Health Science: PCT** (2 credits) **OR** **Practicum in Health Science: CMA** (2 credits) *Prerequisite: 3 credits in Health Science Program*
Health Science: Clinical Rotations	**Medical Terminology** (1 credit)	**Health Science Theory** (1 credit)	**Anatomy and Physiology (home campus)** (1 credit) **AND** **Practicum in Health Science I: Clinical Rotations** (2 Credits) *Prerequisite: Health Science Theory, Biology, Chemistry*	**Practicum in Health Science: PCT** (2 credits) **OR** **Practicum in Health Science: CMA** (2 credits) *Prerequisite: 3 credits in Health Science Program*
Health Science: Certified Nursing Assistant (CNA)	**Medical Terminology** (1 credit)	**Health Science Theory** (1 credit)	**Anatomy and Physiology (home campus)** (1 credit) **AND** **Practicum in Health Science I: CNA** (2 credits) *Prerequisite: Health Science Theory, Biology, Chemistry*	**Practicum in Health Science: PCT** (2 credits) **OR** **Practicum in Health Science: CMA** (2 credits) *Prerequisite: 3 credits in Health Science Program*
Health Science: Emergency Medical Technician (EMT)	**Medical Terminology** (1 credit)	**Health Science Theory** (1 credit)	**Anatomy and Physiology (home campus)** (1 credit) **AND** **Pathophysiology** (1 credit) *Prerequisite: Health Science Theory, Biology, Chemistry*	**Practicum in Health Science: EMT** (2 credits) **OR** **Practicum in Health Science: PCT** (2 credits) **OR** **Practicum in Health Science: CMA** (2 credits) *Prerequisite: 3 credits in Health Science Program*

Health Science: Pharmacy	**Medical Terminology** (1 credit)	**Health Science Theory** (1 credit)	**Anatomy and Physiology (home campus)** (1 credit) **AND** **Pharmacology** (1 credit) *Prerequisite: Health Science Theory, Biology, Chemistry*	**Practicum in Health Science: Pharmacy** (2 credits), **OR** **Practicum in Health Science: PCT** (2 credits) **OR** **Practicum in Health Science: CMA** (2 credits) *Prerequisite: 3 credits in Health Science Program*
Health Science: Exercise Science and Sports Medicine	**Medical Terminology** (1 credit)	**Health Science Theory** (1 credit) **AND** **Kinesiology I** (1 credit)	**Anatomy and Physiology** (1 credit) *Prerequisite: Biology, Chemistry, Health Science Theory* **AND** **Kinesiology II** (1 credit) *Prerequisite: Kinesiology I*	**Practicum in Health Science I: Sports Medicine** (2 credits), **OR** **Practicum in Health Science: PCT** (2 credits) **OR** **Practicum in Health Science: CMA** (2 credits) *Prerequisite: Sports Med II or Kinesiology II*

**Principles of Health Science can be taken in 8th grade.

Certifications / Certificate Opportunities Based on Program of Study
CPR (Biomedicine)
OSHA (Biomedicine)
^ Certified Nursing Aide (CNA)
CPR/First Aid (BLS) (CNA, Clinical Rotations)
Phlebotomy Technician (PCT)
^ Certified Patient Care Technician (CPhT) (PCT)
EKG Technician (PCT)
^ Emergency Medical Technician (EMT)
^ Certified Pharmacy Technician (CPhT) (Pharmacy)
Sterile Products Aseptic Technique Certified (Pharmacy)
OSHA HealthCare Certified (Pharmacy)
HealthCare Provider CPR (Pharmacy)
AHA Basic Life Support Certification (Sports Medicine)
^ Certified Medical Assistant
^ Certified Personal Trainer
(^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
HOSA—Health Occupation Students of America

Additional Course Information
Credits: Anatomy & Physiology, Medical Microbiology, Pathophysiology can be used as a science credit. **Fees:** Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. **Location:** Courses shaded in gray will be taught at the **Keller Center for Advanced Learning.**

Medical Terminology

TEDS: 13020300 **KISD:** 81801
Credit: 1
Grade: 9-12
Recommended prerequisite: None

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Health Science Theory

TEDS: 13020400 **KISD:** 81803
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Health Science**, Medical Terminology, and Biology

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands on experiences for continued knowledge and skills development. The course may be taught by different methodologies such as clinical rotation and career preparation learning.

Anatomy and Physiology

TEDS: 13020600 ☑ **KISD:** 3203
Credit: 1
Grade: 10-12
Recommended prerequisite: Biology and Chemistry, IPC, or Physics

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit. It is taught at all main campuses and at the Keller Center for Advanced Learning.

Anatomy and Physiology Honors

TEDS: 13020600 ☑ **KISD:** 3204
Credit: 1
Grade: 10-12
Recommended prerequisite: Biology and Chemistry, IPC, or Physics

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem-solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Students will be expected to show commitment to the Honors curriculum and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study. This course receives Honors weight for the class of 2025 and beyond and counts as a science credit.

Medical Microbiology

TEDS: 13020700 ☑ **KISD:** 81821
Credit: 1 **Honors:** 82821
Grade: 10-12
Recommended prerequisite: Health Science Theory, Biology, and Chemistry

This science elective course is designed to explore medical based microbiology. The student will discover relationships between microbes and health maintenance as well as the role of microbes in infectious diseases. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit.

Medical Microbiology Honors

TEDS: 13020700 ☑ **KISD:** 82821
Credit: 1
Grade: 10-12
Recommended prerequisite: Health Science Theory, Biology, and Chemistry

This science elective course is designed to explore medical based microbiology. The student will discover relationships between microbes and health maintenance as well as the role of microbes in infectious diseases. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit. Students will be expected to show commitment to the Honors curriculum and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study. This course receives Honors weight for the class of 2025 and beyond.

Pathophysiology

TEDS: 13020800 ☑ **KISD:** 81822
Credit: 1
Grade: 11-12
Recommended prerequisite: Health Science Theory, Biology, and Chemistry

In this course students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Students study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit.

Pathophysiology Honors

TEDS: 13020800 ☑ **KISD:** 82822
Credit: 1
Grade: 11-12
Recommended prerequisite: Health Science Theory, Biology, and Chemistry

In this course, students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem-solving. Students study disease processes and how humans are affected. Emphasis is placed on the prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Students will be expected to show commitment to the Honors curriculum and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study of pathophysiology concepts. This course counts as a science credit and receives Honors weight for the class of 2025 and beyond.

World Health Research

TEDS: 13020900 **KISD:** 81823
Credit: 1
Grade: 12
Recommended prerequisite: Medical Terminology

This course examines major world health problems and emerging technologies as solutions to these medical concerns. The course is designed to improve students' understanding of the cultural, infrastructural, political, educational, and technological constraints and inspire ideas for appropriate technological solutions to global medical care issues.

Practicum in Health Science: Clinical Rotations (CR)

TEDS: 13020500 I **KISD:** 81812
TEDS: 13020510 II **KISD:** 81842
Credit: 2
Grade: 11-12
Recommended prerequisite: Health Science Theory and Biology

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 7 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. The clinical rotations class will occur in various settings including hospital, clinical, and classroom. Students will be required to comply with HIPAA requirements.

Practicum in Health Science: Certified Nursing Assistant (CNA)

TEDS: 13020500 I **KISD:** 81816
TEDS: 13020510 II **KISD:** 81846
Credit: 2
Grade: 11-12
Recommended prerequisite: Health Science Theory, Biology, and Chemistry

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 7 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. The Certified Nursing Assistant (CNA) practicum is designed to provide an opportunity to gain a nationally recognized certification after passing the CNA certification examination. To qualify for the examination, one must be able to pass a criminal background/drug screening and have successfully passed the classroom portion of the class. Students will be required to comply with HIPAA requirements.

Practicum in Health Science: Patient Care Technician (PCT)

TEDS: 13020500 I **KISD:** 82818
TEDS: 13020510 II **KISD:** 81849
Credit: 2
Grade: 12
Required prerequisite: Practicum in CNA, Practicum in Clinical Rotations, Pharmacology, Pathophysiology, Medical Microbiology, Kinesiology II, or Sports Medicine II

Doctors, nurses, and other healthcare professionals rely on patient care technicians to assist with the critical day to day care some patients require. They provide hands on assistance to serve patients' basic needs, which greatly impacts the lives of their patients and their patients' families. As a patient care tech, you may be able to perform some or all of the following tasks:

- Provide basic patient care bathing, feeding, catheter care, etc.
- Acquire, distribute and administer patient care supplies
- Perform safety checks and ensure cleanliness in patient rooms
- Accommodate any additional patient needs
- Obtain EKG readings and monitor vital signs
- Perform phlebotomy procedures
- Provide emotional support to patients and families, particularly coping with grief and death

Practicum in Health Science II: Clinical Medical Assistant (CMA)

TEDS: 13020500 I **KISD:** 82816
TEDS: 13020510 II **KISD:** 82940
Credits: 2
Grade: 12
Required prerequisite: Practicum in CNA, Practicum in Clinical Rotations, Pharmacology, Pathophysiology, Medical Microbiology, Kinesiology II, or Sports Medicine II

A Clinical Medical Assistant is a multi-skilled allied health care professional that specializes in procedures commonly performed in the ambulatory health care setting. The Clinical Medical Assistant performs both clinical and administrative duties and assists a variety of providers including physicians, nurse practitioners and physician assistants. They typically work in medical offices, clinics, urgent care centers and may work in general medicine or specialty practices. Common duties of a medical assistant include administrative and clinical tasks such as checking patients in and out upon arrival and departure, taking patient vital signs, administering injections or medications, use aseptic laboratory techniques and protocols, working in the electronic health record (EHR), understand and use medical terminology and understand and use office procedures including HIPAA, OSHA, medical insurance billing and medical coding, and answering phone calls and questions. All students will become certified in American Heart Association BLS CPR. Students who successfully complete the course and are on track to graduate will have the opportunity to sit for the Medical Assistant Certification Exam offered by the National Healthcareer Association.

Practicum in Health Science: Emergency Medical Technician (EMT)

TEDS: 13020500 I **KISD:** 81815
TEDS: 13020510 II **KISD:** 82842
Credit: 2
Grade: 11-12
Recommended prerequisite: Health Science Theory and Biology

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 7 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. In the E.M.T. program, students will be provided opportunities to work in hospital settings, ambulance services, and may be assigned to firehouses in order to experience first-hand the challenges of Emergency Medical Technicians. Students enrolled in this course will be provided the knowledge and skills training to prepare and successfully complete the exam required for E.M.T. Upon completion of the course and successfully passing the national exam, students will be eligible to continue to the next level of training at Tarrant County College. Students will be required to comply with HIPAA requirements.

Pharmacology

TEDS: 13020950 **KISD:** 81813
Credit: 1
Grade: 11-12
Recommended prerequisite: Health Science Theory, Biology, and Chemistry

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers.

Practicum in Health Science: Pharmacy

TEDS: 13020500 I **KISD:** 81818
TEDS: 13020510 II **KISD:** 81848
Credit: 2
Grade: 11-12
Recommended prerequisite: Health Science Theory and Biology

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 7 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. The Pharmacy Technician practicum is designed to provide an opportunity to gain a nationally recognized certification after passing the Pharmacy Technician Certification Board examination. To qualify for the examination, students must be able to pass a criminal background screening and have graduated from high school. Students will be required to comply with HIPAA requirements.

Kinesiology I

TEDS: N1302104 **KISD:** 8930
Credit: 1
Grade: 9-12

This course is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance. Students will also explore careers within the kinesiology field and be able to explain the societal demand for kinesiology-related jobs. Students will develop a foundation in Kinesiology I that will prepare them for upper-level courses that will dive deeper into the anatomical and physiological functions of the body and provide opportunities for an industry-certified exam such as a certified personal trainer.

Kinesiology II

TEDS: N1302124 **KISD:** 8932
Credit: 1
Grade: 11-12
Prerequisite: Kinesiology I

The Kinesiology II course is designed to provide students an advanced level of knowledge, skills, and understanding of body composition and the effect on health, nutritional needs of physically active individuals, qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic training intensity programs.

Practicum in Health Science: Sports Medicine

TEDS: 13020500 I **KISD:** 81817
TEDS: 13020510 II **KISD:** 81827
Credit: 2
Grade: 12
Prerequisite: Sports Medicine II and Anatomy & Physiology or Kinesiology II

The Practicum in Health Science is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Keller ISD offers 7 practicum opportunities throughout the district. An online district application will be emailed after registration is complete. Students will be asked to rate the Practicum class in order of preference. Due to class size limitations, it is possible a student will not get their first choice. The Sports Medicine Practicum course will provide an opportunity for the study and application of the components of sports medicine, including but not limited to sports medicine-related careers; organizational and administrative considerations; prevention of athletic injuries; recognition, evaluation, and immediate care of athletic injuries; rehabilitation and management skills; taping and wrapping techniques; first aid/CPR/AED; emergency procedures; nutrition; sports psychology; human anatomy and physiology; therapeutic modalities; and therapeutic exercise.

Human Services

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Cosmetology		**Professional Communications** (.5 credit) **AND Entrepreneurship** (1 credit but taught in 1 semester)	**Principles of Cosmetology** (1 credit) **AND Cosmetology I** (2 credits)	**Cosmetology II** (2 credits) **AND Practicum in Human Services** (2 credits) *Prerequisite: and Cosmetology I*

Certifications / Certificate Opportunities Based on Program of Study
^ TDLR—Texas Department of License and Regulation Cosmetology License (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
SkillsUSA

Additional Course Information
Fees Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. **Location:** Courses shaded in gray will be taught at the **Keller Center for Advanced Learning.**

Cosmetology- 4 Year Plan								
Freshman	English I	Algebra I	Biology	World Geography	Language Level 1	Fine Art	Elective	Elective
Sophomore	English II	Geometry	IPC, Physics, Chemistry	World History	Language Level 2	PE	Professional Communications/ Entrepreneurship	Elective
Junior	English III	Algebra II or MMA	Advanced 3rd Science	U.S. History	Elective	Cosmetology I	Cosmetology I	Cosmetology I
Senior	Advanced English Course	Algebra II or Advanced 4th Math	Advanced 4th Science	Government / Economics	Cosmetology II	Cosmetology II	Practicum in Human Services	Practicum in Human Services
In order to be eligible for the Cosmetology program of study, it is suggested that you have an intentional four-year plan. Above you will find the recommended sequence for high school graduation and completion of the cosmetology program.								

Professional Communications

TEDS: 13009900 **KISD:** 1465
Credit: .5
Grade: 9-12
Recommended prerequisite: None

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this text, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Entrepreneurship

TEDS: 13034400 **KISD:** 82503
Credit: 1
Grade: 9-12
Recommended prerequisite: None

Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit. Students earn 1 credit for this course, but the course is taught in 1 semester.

Principles of Cosmetology

TEDS: 13025050 **KISD:** 83301
Credit: 1
Grade: 11-12
Prerequisite: None

In Principles of Cosmetology, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Students will gain academic skills and as well as technical knowledge and skills related to cosmetology design and color theory. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the T Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirement, knowledge and skills expectations, and development of workplace skills are included.

Cosmetology I

TEDS: 13025200 **KISD:** 82201
Credit: 2
Grade: 11-12
Recommended prerequisite: None

Students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Analysis of career opportunities, requirements, expectations, and development of workplace skills are included.

Cosmetology II

TEDS: 13025300 **KISD:** 82202
Credit: 2
Grade: 11-12
Recommended prerequisite: Principles of Cosmetology and Cosmetology I

Students review academic knowledge and skills related to cosmetology. This course is designed to provide advanced training for employment in cosmetology careers. Instruction includes training in sterilization and sanitation processes, hair care, nail care and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students apply, combine, and justify knowledge skills to a variety of settings and problems.

Practicum in Human Services

TEDS: 13025000 **KISD:** 82106
Credit: 2
Grade: 12
Prerequisite: 3 credits in Cosmetology program of study

The Practicum in Huma Services is designed to give students practical applications of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Practicum in Human Services provides background knowledge and occupation-specific training that focuses on the development of consumer services and family and community-services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students.

Reserve Officer Training Corp (ROTC)*				
Program of Study Course Sequence	**9th Grade**	**10th Grade**	**11th Grade**	**12th Grade**
Military Science	**ROTC I** (1 credit)	**ROTC II** (1 credit) *Prerequisite: ROTC I*	**ROTC III** (1 credit) *Prerequisite: ROTC II*	**ROTC IV** (1 credit) *Prerequisite: ROTC III*

***Denotes non-CTE pathway**

Certifications / Certificate Opportunities Based on Program of Study
Leadership and College Scholarship Opportunities
Career and Technical Student Organization (CTSO)
Air Force ROTC

Additional Course Information
All ROTC Courses Include: Wellness and Physical Training (PT): provides a standardized, facility variations minded curriculum offering substantial individual health improvements. The objective is to motivate cadets to lead healthy, active lifestyles. PT/Wellness provides leadership opportunities, builds esprit de corps, and increases cadet confidence.

ROTC I
Leadership Education I (LE-1)
Aerospace Science I (AS-1)

TEDS: PES00004 **KISD:** 50403
Credit: 1
Grade: 9-12
Recommended prerequisite: None

The first half of the sixty-hour course is dedicated to leadership studies relating directly to citizenship, individual self-control, time management, stress management, study skills, and wellness and fitness. Wearing of the uniform, customs and courtesies and basic drill skills are introduced. The aerospace science half of the course is designed to acquaint the student with the historical development of flight and the role of the military in history. Over half of the course describes the makeup of the aerospace community and the United States Air Force.

ROTC II
Leadership Education II (LE-2)
Aerospace Science II (AS-2)

TEDS: 03160200 **KISD:** 5153
Credit: 1
Grade: 10-12
Recommended prerequisite: ROTC I

This science course is designed to acquaint the student with navigation and human limitations of flight. The course begins with a discussion of the atmosphere and weather. The study is expanded to include the planets and space beyond our solar system. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust, and weight. Students also learn basic navigation including map reading, course plotting, and the effects of wind. The portion of the Human Requirements of flight is a survey course on human physiology. Discussed here is the human circulatory system, the effects of acceleration and deceleration, protective equipment and space environment. Leadership hours' stress communications and skills cadet corps activities. Written reports and speeches complement academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and executing of corps projects.

ROTC III
Leadership Education III (LE-3)
Aerospace Science III (AS-3)

TEDS: 03160300 **KISD:** 5163
Credit: 1
Grade: 10-12
Recommended prerequisite: ROTC II

The third year is a science course, which discusses principles of propulsion system, fundamentals of rocketry and its application to spacecraft, principles of underlying space travel, and various aspects of space exploration. This year's materials are perhaps the most technical. Turbojet, turbofan, rocket, reciprocating engines, and a detailed examination of propulsion systems are explained. Rocketry and spacecraft portions cover rocket propulsion, guidance, and control and orbits. The space travel section further discusses the development, use and future of artificial earth satellites, and interplanetary probes. Leadership hours continue emphasis on written and oral communication skills. Additionally, basic management skills such as planning, directing, and controlling are introduced. Third year cadets put these skills into practice by holding key leadership positions in the cadet corps.

ROTC IV
Leadership Education IV (LE-4)
Aerospace Science IV (AS-4)

TEDS: 03160400 **KISD:** 5173
Credit: 1
Grade: 10-12
Recommended prerequisite: ROTC III

This fourth year is a civics course. Subjects covered include civil aviation's primary features and impact on our society, careers available in the civil and military aerospace community and descriptions and uses of modern aerospace vehicles. The civil aviation portion of the course adds to the basic knowledge of the aerospace industry given in AS-1. This information sets the stage for the discussion on careers in aerospace. The careers section not only describes career options and educational possibilities; it also provides practical advice for the new job hunter. The academic section fine-tunes developing communication skills and top-level cadet corps jobs provide a laboratory to experiment with newly learned leadership and management skills.

Law,
Public Safety,
Corrections
& Security

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Legal Studies	**Principles of Law, Public Safety, Corrections, and Security** (1 credit)	**Court Systems and Practices** (1 credit) *Prerequisite: Principles of Law & Public Safety*	**Legal Research and Writing** (1 credit) *Prerequisite: Court Systems and Practices*	**Practicum in Law, Public Safety, Corrections, and Security: Legal** (2 credits) *Prerequisite: 3 credits in the Law Program*
Law Enforcement: Police	**Principles of Law, Public Safety, Corrections, and Security** (1 credit)	**Law Enforcement I** (1 credit) *Prerequisite: Principles of Law & Public Safety*	**Forensic Science** (1 credit) **AND Forensic Psychology** (1 credit) *Prerequisite: Law Enforcement I, Biology, and Chemistry*	**Practicum in Law, Public Safety, Corrections, and Security: Law** (2 credits) *Prerequisite: 3 credits in the Law Program*

Certifications / Certificate Opportunities Based on Program of Study
CPR/First Aid (Court Law, Law Enforcement-Police)
^ Non-commissioned Security Officer 2
National Incident Management System (NIMS) (Law Enforcement-Police) (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
SkillsUSA

Additional Course Information

Credits: Forensic Science can be used as a science credit.

Fees:
Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.

Location:
Courses shaded in gray will be taught at the **Keller Center for Advanced Learning**.

Principles of Law, Public Safety, Corrections, and Security

TEDS: 13029200 **KISD:** 82400
Credit: 1
Grade: 9-11
Recommended prerequisite: None

Principles of Law, Public Safety, Corrections, and Security introduce students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections.

Law Enforcement I

TEDS: 13029300 **KISD:** 82411
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Law, Public Safety, Corrections, and Security

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

Court Systems and Practices

TEDS: 13029600 **KISD:** 82422
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Law, Public Safety, Corrections, and Security

Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation. Class is taught at the Keller Center for Advanced Learning.

Legal Research and Writing

TEDS: N1303014 **KISD:** 82435
Credit: 1
Grade: 11-12
Recommended prerequisite: 2 credits in the law program

Legal Research and Writing provides an introduction into the study and practice of legal writing and research. This course is designed to introduce students to the methods and tools used to conduct legal research, develop and frame legal arguments, produce legal writings such as briefs, memorandums, and other legal documents, study U.S. Constitutional law, and prepare for appellate argument(s). Class is taught at the Keller Center for Advanced Learning.

Forensic Science

TEDS: 13029500 ☑ **KISD:** 88370
Credit: 1
Grade: 11-12
Recommended prerequisite: Biology, Chemistry, Law Enforcement I

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. This course counts as a science credit.

Forensic Science Honors

TEDS: 13029500 ☑ **KISD:** 88371
Credit: 1
Grade: 11-12
Recommended prerequisite: Biology, Chemistry, Law Enforcement I

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scenes, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Students will be expected to show commitment to the Honors curriculum and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study. This course counts as a weighted science credit and receives Honors weight for the class of 2025 and beyond.

Forensic Psychology

TEDS: N1303012 **KISD:** 82424
Credit: 1
Grade: 10-12
Recommended prerequisite: Law Enforcement I

Forensic Psychology utilizes and applies basic skills developed in psychology to criminal behavior and criminal scenarios resulting in a structured and scientific approach to investigative analysis, which enables police or law enforcement officials to predict criminal activity based upon mathematical/scientific data versus abstract intuition.

Practicum in Law, Public Safety, Corrections and Security

TEDS: 13030100 **Legal Studies KISD:** 82461
Credit: 2 **Law Enforcement KISD:** 82462
Grade: 12
Recommended prerequisite: 3 credits in the law program

The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

STEM

Science, Technology, Engineering & Mathematics

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Biology*	**Biology** (1 credit)	**Chemistry** (1 credit) *Required Prerequisite: 1 Science and Algebra 1*	**Physics** (1 credit) **AND Anatomy and Physiology** (1 credit) *Prerequisite: 2 credits in Science*	**AP Biology** (1 credit) *Prerequisite: 3 credits in Science*
Chemistry*	**Biology** (1 credit)	**Chemistry** (1 credit) *Required Prerequisite: 1 Science and Algebra 1*	**Physics** (1 credit) **AND AP Biology** (1 credit) *Prerequisite: 2 credits in Science*	**AP Chemistry** (1 credit) *Prerequisite: 3 credits in Science*
Environmental Science*	**Biology** (1 credit)	**Chemistry** (1 credit) *Required Prerequisite: 1 Science and Algebra 1*	**Physics** (1 credit) **AND Aquatic Science** (1 credit) *Prerequisite: 2 credits in Science*	**Environmental Systems OR AP Environmental Science** (1 credit) *Prerequisite: 3 credits in Science*
Physics*	**Biology** (1 credit)	**Chemistry** (1 credit) **AND AP Physics I** (1 credit) *Required Prerequisite: 1 Science and Algebra 1*	**AP Physics II** (1 credit) *Prerequisite: Physics 1 and Pre-Cal*	**AP Physics C: Electricity and Magnetism** (1 credit) **OR AP Physics C: Mechanics** (1 credit) *Prerequisite: Physics I and Pre-Cal*
Space Science*	**Biology** (1 credit)	**Chemistry** (1 credit) *Required Prerequisite: 1 Science and Algebra 1*	**Physics** (1 credit) **AND Earth Systems Science** (1 credit) *Prerequisite: 2 credits in Science*	**Astronomy** (1 credit) *Prerequisite: 3 credits in Science*

***Denotes non-CTE pathway**

Biology

TEDS: 03010200 ☑ **KISD:** 3103
Credit: 1
Grade: 9-10
Prerequisite: None

Biology is a course designed around the study of living things. Students will study a variety of topics that include: structures and functions of cells and viruses, growth and development of organisms, cells, tissues and organs, nucleic acids and genetics, biological evolution, taxonomy, metabolism and energy transfers in living organisms, living systems, homeostasis, ecosystems and the environment.

Biology Honors

TEDS: 03010200 ☑ **KISD:** 3113
Credit: 1
Grade: 9-10
Prerequisite: None

Biology Honors is a comprehensive study of biology, ecology, evolution, biochemical pathways, organic and biochemistry, cell biology, genetics, molecular biology, taxonomy, homeostasis and human body systems (immune, lymphatic, digestive, and circulatory system). Students will be expected to show commitment to Honors curriculum and be motivated to utilize higher level thinking skills. The course will include a more in-depth study of biological concepts. Honors students should expect to continue in the AP program with a goal of taking the AP test.

AP Biology

TEDS: A3010200 ☑ **KISD:** 3123
Credit: 1
Grade: 10-12
Recommended prerequisite: Biology and Chemistry

This course is a comprehensive study of advanced biology designed to prepare students to take the AP Biology Exam. The class covers material a student would encounter in a freshman level college biology class. Special emphasis will be placed on the principles and processes of biology along with understanding the means by which biological information is collected and interpreted. The content of the course will meet College Board standards. Students planning to take the Biology AP Exam would benefit by enrolling in Anatomy and Physiology also. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Chemistry

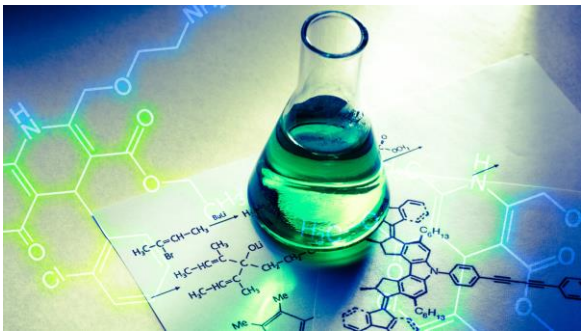
TEDS: 03040000 ☑ **KISD:** 3303
Credit: 1
Grade: 10-12
Prerequisite: One science and Algebra I

In Chemistry, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that included characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

Chemistry Honors

TEDS: 03040000 ☑ **KISD:** 3313
Credit: 1
Grade: 10-12
Prerequisite: : One science and Algebra I

Chemistry Honors is a comprehensive study of chemistry, scientific method, lab safety, scientific measurements, properties of matter, atomic structure and its history, quantum numbers, periodic table characteristics and trends, chemical bonding, gas laws, nomenclature of compounds, moles, chemical reactions, stoichiometry, aqueous mixtures, acid/bases and neutralization reactions. The course will be lab based and students will be asked to analyze and evaluate data from lab investigation. Chemistry Honors covers additional rigorous College Board topics that require critical thinking and a higher level of math skills, such as solving equations for variables, exponential and mathematical abstraction. Students should expect a challenging college preparatory curriculum with the expectation of moving on to AP Chemistry and taking the AP test.



AP Chemistry

TEDS: A3040000 ☑ **KISD:** 3333
Credit: 1
Grade: 11-12
Recommended prerequisite: Chemistry and Algebra II

This course is a comprehensive study of advanced chemistry designed to prepare students to take the Chemistry AP Exam. The class covers most of the material a student would encounter in a freshman level college chemistry course. Special emphasis is placed on atomic structure and bonding, thermochemistry, kinetics, equilibrium, and electrochemistry. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual Chemistry: UT OnRamps

TEDS: 03040000 ☑ **KISD Cohort 2023, 2024:** 3323
Credits: 1 **KISD Cohort 2025+:** 33236
Grade: 10-12
Prerequisite: Algebra I

Principles of Chemistry I addresses the nature of matter, energy, chemical reactions, and chemical thermodynamics. The course reviews descriptive chemistry of matter in the natural world as well as compositional and reaction stoichiometry of chemical compounds. Throughout the course, students learn to think like scientists by exploring the underlying theoretical foundations of chemistry, making intuitive arguments for how the world works, and supporting those arguments with quantitative measures. Built with an intention to engage students from a variety of backgrounds, students in the course will learn how to successfully study science by organizing their learning around mastery and ownership of materials. Introduction to Chemical Practices I, the course's lab component, provides an introduction to the techniques of modern experimental chemistry, and is designed to instill basic laboratory and analytical skills. *This course receives AP weight for the class of 2025 and beyond.*

Physics

TEDS: 03050000 ☑ **KISD:** 3403
Credit: 1
Grade: 9-12
Prerequisite: Algebra I

Physics is designed to provide a laboratory-oriented approach to the study of matter and energy. Students are introduced to fundamental concepts in the areas of mechanics, light, sound, heat, electricity, magnetism, forces, energy, momentum, waves and nuclear phenomena. Student investigations emphasize accurate observations, collection of data, analysis of data, and the safe manipulation of laboratory apparatus and materials.

Physics Honors

TEDS: 03050000 ☑ **KISD:** 3413
Credit: 1
Grade: 9-12
Prerequisite: Algebra I

Physics Honors is a comprehensive study of physics that studies laws of motion, changes within physical systems, and conservation of energy and momentum; forces; thermodynamics; waves; and atomic, nuclear, and quantum physics. Physics Honors covers additional rigorous College Board topics that require critical thinking and a higher level of math skills. Students will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, and develop critical thinking skills. Students should expect a challenging college preparatory curriculum with the expectation of moving on to AP Physics and taking the AP test.

AP Physics I

TEDS: A3050003 ☑ **KISD:** 3443
Credit: 1
Grade: 10-12
Prerequisite: Algebra I and Geometry
Corequisite: Algebra II

Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits.**AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual Physics: UT OnRamps

TEDS: 03050000 ☑ **KISD Cohort 2023, 2024:** 3424
Credit: 1 **KISD Cohort 2025+:** 34246
Grade: 10-12
Required prerequisite: Algebra I and Geometry
Recommended prerequisite: Algebra II and Precalculus

Mechanics, Heat, and Sound introduces big ideas in physics, such as Newtonian mechanics, which describes objects changing their state of motion because of forces causing them to accelerate. Taken together, the topics reinforce the general idea that the behavior of many objects in the world can be described precisely with simple mathematics. This is an algebra-based (non-calculus) course in mechanics that fulfills a general physics requirement. Proficiency in algebra and geometry is assumed. Students will practice problem-solving and analyzing physical situations involving motion, force, energy, rotations, heat, oscillations, waves, and sound. Students will explore concepts in small groups, develop ideas, and explain them. This course lays the groundwork for college majors including engineering, physics, chemistry, or math. This course may be used to fulfill the science component of the university core curriculum. *This course receives AP weight for the class of 2025 and beyond.*

AP Physics II

TEDS: A3050004 ☑ **KISD:** 3453
Credit: 1
Grade: 11-12
Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Precalculus

Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Physics C: Electricity and Magnetism

TEDS: A3050005 ☑ **KISD:** 3435
Credit: 1
Grade: 11-12
Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Calculus

AP Physics C: Electricity and Magnetism is calculus-based, appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. The course should prepare students for successful completion of the AP Physics C Exam. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Physics C: Mechanics

TEDS: A3050006 ☑ **KISD:** 3434
Credit: 1
Grade: 11-12
Recommended prerequisite: Physics, Algebra I, Geometry, Algebra II, concurrent Calculus

AP Physics C: Mechanics is calculus-based, appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course. The course should prepare students for successful completion of the AP Physics C Exam. The content of the course will meet College Board standards. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Anatomy and Physiology

TEDS: 13020600 ☑ **KISD:** 3203
Credit: 1
Grade: 10-12
Prerequisite: Biology and a second science credit

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). This course counts as a science credit. It is taught at all main campuses and at the Keller Center for Advanced Learning.

Anatomy and Physiology Honors

TEDS: 13020600 ☑ **KISD:** 3204
Credit: 1
Grade: 10-12
Prerequisite: Biology and a second science credit

This course offers a comprehensive study of the structures and functions of the human body. It will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem-solving as they conduct lab investigations. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum). Students will be expected to show commitment to the Honors curriculum and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study. This course receives Honors weight for the class of 2025 and beyond.

Aquatic Science

TEDS: 03030000 ☑ **KISD:** 3513
Credit: 1
Grade: 10-12
Prerequisite: Biology
Suggested: Previous or concurrent Chemistry

In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and fieldwork in this course may emphasize fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical thinking and problem-solving skills.

Astronomy

TEDS: 03060100 ☑ **KISD:** 3503
Credit: 1
Grade: 11-12
Recommended prerequisite: One credit of science

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reason for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical thinking skills.

Earth Systems Science

iChoose

TEDS: 03060200 ☑ **KISD:** 3573
Credit: 1
Grade: 11-12
Recommended prerequisite: Three credits of science, one of which may be taken concurrently, and three credits of mathematics, one of which may be taken concurrently

Earth Systems Science is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time. ESS has three strands used throughout each of the three themes: systems, energy, and relevance.

AP Environmental Science

AP

TEDS: A3020000 ☑ **KISD:** 3543
Credit: 1
Grade: 11-12
Recommended prerequisite: Biology, physical science, and Algebra I

This course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing the environmental problems. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Environmental Systems

iChoose

TEDS: 03020000 ☑ **KISD:** 3533
Credit: 1
Grade: 11-12
Recommended prerequisite: Biology and a physical science

Students will conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students will study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

Science, Technology, Engineering & Mathematics

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Cybersecurity	**Computer Science Essentials** (1 credit) *Prerequisite: Algebra I (completed or concurrent enrollment)*	**Cybersecurity** (1 credit) *Prerequisite: Computer Science Essentials*	**Cybersecurity Capstone** (1 credit) **AND** **Digital Forensics** (1 credit) *Prerequisite: Cybersecurity*	**Practicum in Information Technology: Cybersecurity** (2 credits) *Prerequisite: Cybersecurity Capstone and Digital Forensics*
Programming and Software Development	**Computer Science I Honors** (1 credit) *Prerequisite: Algebra I (completed or concurrent enrollment)*	**AP Computer Science** (2 credits but taught in 1 period) *Prerequisite: Computer Science I Honors*	**Computer Science II** (1 credit) **AND** **Computer Science III** (1 credit) *Prerequisite: AP Computer Science*	**Practicum in Information Technology: Programming and Software Development** (2 credits) *Prerequisite: Computer Science II and III*

Certifications / Certificate Opportunities Based on Program of Study

Microsoft Technology Associate (MTA) Security Fundamentals (Cybersecurity)
ISACA CSX Cybersecurity Fundamentals Certificate (Cybersecurity)
^ CompTIA Security+ (Cybersecurity)
GIAC Information Security Fundamentals (GISF) (Cybersecurity)
(ISC)2 Systems Security Certified Practitioner (SSCP) (Cybersecurity)

(^ receives CCMR point for accountability)

Career and Technical Student Organization (CTSO)

SkillsUSA
WIT (Workforce Industry Training)

Additional Course Information

Credits:
AP Computer Science can be used for math credit.

Fees:
Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply.

Location:
Courses shaded in gray will be taught at the **Keller Center for Advanced Learning.**

Computer Science Essentials

TEDS: 03580140 **KISD:** 82334
Credit: 1
Grade: 9-12
Prerequisite: Complete or concurrent enrollment in Algebra I

This Project Lead the Way course will empower students to develop computational thinking skills while building confidence that prepares them to advance to subsequent cybersecurity courses. With emphasis on computational thinking and collaboration, this course provides an excellent entry for students to begin or continue the cybersecurity pathway. This course will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students will use text-based programming with languages such as Python to create apps and develop websites and learn how to make computers work together to put their design into practice. They will apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

Cybersecurity

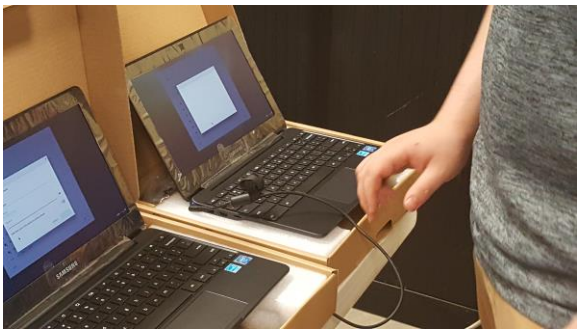
TEDS: 03580850 **KISD:** 82333
Credit: 1
Grade: 10-12
Recommended prerequisite: Computer Science Essentials

In this Project Lead the Way course, students are introduced to the tools and concepts of cybersecurity and encouraged to create solutions that allow people to share computing resources while protecting privacy. This course covers five main areas of cybersecurity: personal security; system security; network security; cryptography; digital forensics. Students will learn about cybersecurity tools and concepts that will help prepare and equip them with skills needed to identify security threats and vulnerabilities. They will learn how to identify various cyber-attacks and how to combat them using virtualization and hands-on practices including: using the Linux command line, computer networking, basics of web technology; steps in hacking, cryptography; secure design of systems. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.

Digital Forensics

TEDS: 03580360 **KISD:** 82375
Credit: 1
Grade: 11-12
Recommended prerequisite: Cybersecurity

Digital forensics is an evolving discipline concerned with analyzing anomalous activity on computers, networks, programs, and data. As many people know, nothing is ever really deleted. Join us in our exploration of the digital trail that we all leave behind and learn how to discover anomalous activity on computers, networks, programs, and data. As everything becomes connected to everything else and as computing has become more sophisticated, so too have the abilities of malicious agents to access systems and private information. By evaluating prior incidents, digital forensics professionals can investigate and craft appropriate responses to disruptions to corporations, governments, and individuals. Whereas cybersecurity takes a proactive approach to information assurance to minimize harm, digital forensics takes a reactive approach to incident response. The course provides a survey of the field of digital forensics and incident response, including ethics and laws and digital citizenship.



Cybersecurity Capstone

TEDS: 03580855 **KISD:** 82336
Credit: 1
Grade: 11-12
Recommended prerequisite: Digital Forensics and Computer Maintenance

Cybersecurity is an evolving discipline concerned with safeguarding computers, networks, programs, and data from unauthorized access. The field has gained prominence with the emergence of a globally connected society. As computing has become more sophisticated, so too have the abilities of malicious agents looking to penetrate networks and seize private information. By evaluating prior incidents, cybersecurity professionals have the ability to craft appropriate responses to minimize disruptions to corporations, governments, and individuals. In the Cybersecurity Capstone course, students will develop the knowledge and skills needed to explore advanced concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will develop security policies to mitigate risks. The skills obtained in this course prepare students for additional study toward industry certification.

Practicum in Information Technology: Cybersecurity

TEDS: 13028000 **KISD:** 82367
Credit: 2
Grade: 12
Prerequisite: Cybersecurity Capstone and Digital Forensics

Practicum in Information Technology: Cybersecurity is a practicum course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Cybersecurity courses toward the completion of an in-depth project with fellow team members. Whether seeking a career in the growing field of cybersecurity or learning to defend their own personal data or a company's data, students in this course establish an ethical code of conduct while learning to defend data in today's complex cyberworld. Students who have progressed to this level in the program of study take on more responsibilities for producing independent work and managing processes involved in the planning, designing, refinement, and production of cybersecurity applications. Upon completion of the practicum, proficient students will be prepared for postsecondary study and career advancement in the field of cybersecurity.

Computer Science I Honors

TEDS: 03580200 **KISD:** 82301
Credit: 1
Grade: 9-12
Prerequisite: Complete or concurrent enrollment in Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. The purpose of this course is to continue on to AP Computer Science and prepare for the AP exam. This course may count as a **LOTE** credit.

AP Computer Science

TEDS: A3580110, A3580120 **KISD:** 82340
Credit: 2
Grade: 10-12
Prerequisite: Computer Science I Honors

AP Computer Science A is equivalent to a first-semester, college-level course in computer science and is a continuation of Computer Science I. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.** This course counts as a **math** credit. This course may also count as a **LOTE** credit. Students earn 2 credits for this course, but the course is taught in 1 class period.

Computer Science II and III

TEDS: 03580300, 03580350 **KISD:** 82342/82343
Credit: 2
Grade: 11-12
Prerequisite: AP Computer Science

Computer Science II and III will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of advanced computer science data structures through the study of technology operations, systems, and concepts. Students will get to choose their focus among video game design, mobile application development, and coding. This course may also count as a **LOTE** credit. This course receives AP weight in GPA calculation.

Practicum in Information Technology: Programming and Software Development

TEDS: 13028000 I **KISD:** 82361
TEDS: 13028010 II **KISD:** 82365
Credit: 2
Grade: 12
Prerequisite: Computer Science II and III

In this course, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an internship, as part of a capstone project, or as career preparation. Projects related to coding, video game design, or mobile application development will be included in the course.

Science, Technology, Engineering & Mathematics

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Engineering	**Introduction to Engineering Design** (1 credit) *Prerequisite: Algebra I (completed or concurrent enrollment)*	**Engineering Science (PLTW: Principles of Engineering)** (1 credit) *Prerequisite: Introduction to Engineering Design, Algebra 1, and Biology*	**Choose 2 credits from the following 5 courses:** **Aerospace Engineering** (1 credit), **Digital Electronics** (1 credit), **Civil Engineering** (1 credit), **Environmental Sustainability** (1 credit), **Robotics I** (1 credit), **Scientific Research & Design: Introduction to Unmanned Aerial Vehicles** (1 credit) *Prerequisite: Engineering Science, Algebra I, and Geometry*	**Option 1:** **Practicum in Science, Technology, Engineering, and Math** (2 credits) **Option 2:** **Engineering Design and Problem Solving (PLTW: Engineering Design & Development)** (1 credit) **AND** **1 credit from the following courses:** **Robotics II** (1 credit), **Computer Integrated Manufacturing** (1 credit), **Aerospace Engineering** (1 credit), **Digital Electronics** (1 credit), **Civil Engineering** (1 credit), **Environmental Sustainability** (1 credit) *Prerequisite: 3 credits in Engineering Program*

Certifications / Certificate Opportunities Based on Program of Study
^ FAA Part 107 Remote Drone Pilot ^ Certified Electronics Systems Associates ^ Autodesk Certified User ^ Autodesk Certified User Revit (^ receives CCMR point for accountability)
Career and Technical Student Organization (CTSO)
KCAL Robotics (Local Chapter)-VEX, BEST, FIRST TSA Bell Robotics Challenge WIT (Workforce Industry Training)

Additional Course Information
Credits: Digital Electronics and Robotics II can be used as a math credit. Engineering Science and AP Physics C: E&M can be used as a science credit. **Fees:** Career and Technical Student Organizations are co-curricular to the curriculum. Although membership is not required, it is highly encouraged for students to join their local CTSO chapter. Fees may apply. **Location:** Courses shaded in gray will be taught at the **Keller Center for Advanced Learning.**

Introduction to Engineering Design

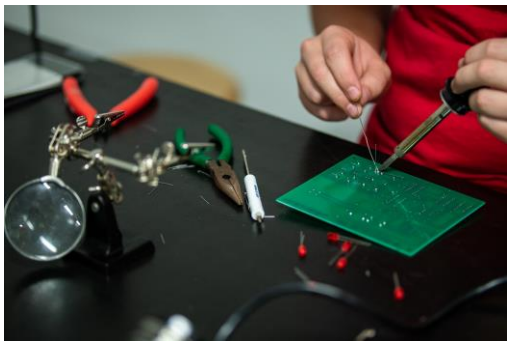
TEDS: N1303742 **KISD:** 82641
Credit: 1
Grade: 9-10
Prerequisite: Complete or concurrent enrollment in Algebra I

This is the foundation course in a series of Project Lead the Way pre-engineering courses designed to introduce the student to the field of engineering. Students will develop problem-solving skills, with emphasis placed upon the concept of developing 3-D models. The course will emphasize the design development process of a product and a model of the product is produced, analyzed, and evaluated, using a Computer Aided Design System. Various design applications will be explored with discussion of possible career opportunities.

Engineering Science (PLTW: Principles of Engineering)

TEDS: 13037500 **KISD:** 82642
Credit: 1
Grade: 10-12
Recommended prerequisite: Introduction to Engineering Design, Algebra I, and Biology

This foundation course is designed to help students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing process help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. This course counts as a science credit.



Aerospace Engineering

TEDS: N1303745 **KISD:** 82662
Credit: 1
Grade: 11-12
Recommended prerequisite: Engineering Science

This specialization PLTW course applies principles of aeronautics, flight, and engineering. The course will include experiences from diverse fields of aeronautics, aerospace engineering, and related areas of study. It will cover many areas including the following: history of flight; airfoil design, construction, and testing; rocket engine thrust; rocket trajectory; effects of gravity; navigation systems; glider design; intelligent vehicles; and remote sensing.

Digital Electronics

TEDS: 13037600 **KISD:** 82673
Credit: 1
Grade: 11-12
Recommended prerequisite: Engineering Science, Algebra I, and Geometry

This is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. This course counts for a math credit. *This course receives Honors weight for the class of 2025 and beyond.*

Digital Electronics Honors

TEDS: 13037600 **KISD:** 8787
Credit: 1
Grade: 11-12
Recommended prerequisite: Engineering Science, Algebra I, and Geometry

This is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. Students will be expected to show commitment to the Honors course work and be motivated to utilize higher-level thinking skills. The course will also include special projects and a more in-depth study of the foundations in electronics, combinational logic, sequential logic, and controlling real-world systems. This course counts as a weighted math credit and receives Honors weight for the class of 2025 and beyond.

Civil Engineering and Architecture

TEDS: N1303747 **KISD:** 82644
Credit: 1
Grade: 11-12
Recommended prerequisite: Engineering Science, Algebra I, and Geometry

In this course, students will learn important aspects of building and site design, and then they apply what they know to design a building. They will use math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software.

Robotics I

TEDS: 13037000 **KISD:** 82651
Credit: 1
Grade: 11-12
Recommended prerequisite: Engineering Science

Students enrolled in this course will demonstrate knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills to component designs in a project-based environment. Students will build prototypes or use simulation software to test their designs. Additionally, students explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

Scientific Research & Design: Introduction to Unmanned Aerial Vehicles

TEDS: 13037200 **KISD:** 82733
Credit: 1
Grade: 10-12
Recommended prerequisite: Engineering Science

The Introduction to Unmanned Aerial Vehicle course is designed to prepare students for entry-level employment or continuing education in piloting UAV operations. The course is designed to instruct students in UAV flight navigation, industry law and regulations, and safety regulations. Students are also exposed to mission planning procedures, environmental factors, and human factors involved in the UAV industry. This course counts as a science credit.

Practicum in Science, Technology, Engineering, and Math

TEDS: 13037400 **KISD Mobile Classroom:** 82370
Credit: 2 **KISD Solar Car:** 82371(I) / 82471 (II)
Grade: 12 **KISD Internship:** 82372
Recommended prerequisite: 3 credits in the engineering program

The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Engineering cluster. This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. There are 3 different types of practicum sections: solar car, trailer, and internship. In solar car, students will design and build a solar car to race at competitions. For trailer, students take the engineering mobile classroom to elementary schools to teach students about engineering. And students are placed in the internship practicum if they earn an internship at any of the partnering engineering companies in the area. Practicum in STEM integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace.

Engineering Design and Problem Solving (PLTW: Engineering Design & Development)

TEDS: 13037300 **KISD:** 83643
Credit: 1
Grade: 11-12
Recommended prerequisite: Algebra I, Geometry, and 3 credits in the engineering program

This course is the senior capstone course of the Project Lead the Way pre-engineering sequence. Students will work in teams to research, design, and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by an engineering mentor. Students will present progress reports, submit a final written report, and present their solutions to a panel of outside reviewers at the end of the course. This course counts as a science credit. *This course receives Honors weight for the class of 2025 and beyond.*

Robotics II

TEDS: 13037050 **KISD:** 82652
Credit: 1
Grade: 12
Recommended prerequisite: Robotics I

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs. This course counts as a math credit.

Computer Integrated Manufacturing

TEDS: N1303748 **KISD:** 82645
Credit: 1
Grade: 11-12
Recommended prerequisite: Engineering Science

Manufactured items are part of everyday life, and this course illuminates the opportunities related to understanding manufacturing. In this Project Lead the Way course, students discover and explore manufacturing processes, product design, robotics, and automation, and then they apply what they have learned to design solutions for real-world manufacturing problems.

Environmental Sustainability

TEDS: N1303746 **KISD:** 82655
Credit: 1
Grade: 11-12
Recommended prerequisite: Engineering Science

This course is designed to allow students to pursue real-world solutions for the protection of the environment. In Environmental Sustainability, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply, and renewable energy. Applying their knowledge through both individual and collaborative team activities, projects, and problems, students problem solve as they practice common design and scientific protocols such as project management, lab techniques, and peer review. Students develop skills in designing experiments, conducting research, executing technical skills, documenting design solutions according to accepted technical standards, and creating presentations to communicate solutions.

Science, Technology, Engineering & Mathematics

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
Math*	**Required** **Algebra I , Geometry, and Algebra II**		**PICK TWO:** **Precalculus,** **Statistics,** **Calculus,** **Linear Algebra and Multivariable Calculus** ***Choose the appropriate level and check prerequisites.***	

***Denotes non-CTE pathway**

Algebra I

iChoose

TEDS: 03100500 ☑ **KISD:** 2003
Credit: 1
Grade: 9
Prerequisite: Grade 8 Mathematics or equivalent

This course develops students' ability to think algebraically and reason symbolically. Algebra 1 focuses on the study of linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology to model mathematical situations to solve meaningful problems. Algebra 1 serves as a foundation and a prerequisite for all subsequent math courses.

Algebra I Honors

TEDS: 03100500 ☑ **KISD:** 2013
Credit: 1
Grade: 9
Prerequisite: Grade 8 Mathematics or equivalent

There is a strong expectation that all of the students in an Honors math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Algebra I Honors includes all Algebra I standards with added rigor and depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Algebra 1 serves as a foundation and a prerequisite for all subsequent math courses.

Geometry

TEDS: 03100700 ☑ **KISD:** 2213
Credit: 1
Grade: 9-12
Prerequisite: Algebra I

Geometry consists of the study of geometric figures and the relationships among them. Students will extend their previous studies to focus on more precise terminology, symbolic representations, and the development of proofs around geometric properties and relationships. They will explore concepts covering two- and three-dimensional figures, coordinate and transformational geometry, logical argument and constructions, similarity, congruence, trigonometry, circles, and probability. Students will use a variety of tools, including technology, to solve meaningful problems and demonstrate new understandings.

Geometry Honors

TEDS: 03100700 ☑ **KISD:** 2223
Credit: 1
Grade: 9-12
Prerequisite: Algebra I

There is a strong expectation that all students in an Honors math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Geometry Honors includes all Geometry standards with added rigor and depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Students who choose to accelerate their math coursework may concurrently take Algebra II Honors and Geometry Honors.

Algebra II

TEDS: 03100600 ☑ **KISD:** 2043
Credit: 1
Grade: 10-12
Prerequisite: Algebra I

In Algebra II, students will broaden their understanding of linear, quadratic, and exponential functions and will explore additional functional relationships, including logarithmic, square root, cubic, absolute value, and rational functions. Students will learn to combine functions, find their inverses, and connect them to real-world situations. Students will also graph functions with and without technology and will discuss the attributes of the graphs. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

Algebra II Honors

TEDS: 03100600 ☑ **KISD:** 2033
Credit: 1
Grade: 10-12
Prerequisite: Algebra I

There is a strong expectation that all of the students in an Honors math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Algebra II Honors includes all Algebra II standards with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Algebra II Honors is designed to prepare students who will be taking AP Calculus or AP Statistics in their 11th or 12th grade year of high school.

Dual College Algebra: UT OnRamps

TEDS: 03100600 ☑ **KISD Cohort 2023, 2024:** 2318
Credit: 1 **KISD Cohort 2025+:** 23186
Grade: 10-12
Prerequisite: Algebra I and Geometry

In this dual enrollment course, students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: linear, absolute value, quadratic, polynomial, radical, rational, exponential, and logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers. The pedagogy of the course, inquiry-based learning, encourages students to take an active role in the construction of their learning. Students will experience a high-quality curriculum designed by the faculty at The University of Texas at Austin and delivered by Keller ISD teachers. Students can earn three hours of UT credit, with feedback and assessment provided by UT course staff. This course meets the Algebra II requirement for Distinguished Level of Achievement. *This course receives AP weight for the class of 2025 and beyond.*

Precalculus

TEDS: 03101100 ☑ **KISD:** 2303
Credit: 1
Grade: 10-12
Prerequisite: Algebra I, Geometry, and Algebra II

Precalculus is the preparation for calculus. The study of precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. In this course, students study multiple representations of functions, including polynomial, rational, power (including radical), exponential, logarithmic, trigonometric, and piecewise defined functions. They also analyze the characteristics and behaviors of these functions. Additional topics in precalculus include conic sections and their properties, parametric representations, sequences and series, and vectors.

Precalculus Honors

TEDS: 03101100 ☑ **KISD:** 2313
Credit: 1
Grade: 10-12
Prerequisite: Algebra I, Geometry, and Algebra II

There is a strong expectation that all of the students in an Honors math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Precalculus Honors is designed to prepare students who will be taking AP Calculus or AP Statistics in their 11th or 12th grade year of high school. Precalculus Honors includes all Precalculus standards with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work.

AP Precalculus

TEDS: ☑ **KISD:** 2323
Credit: 1
Grade: 10-12
Prerequisite: Algebra I, Geometry, Algebra II

AP Precalculus prepares students for AP Calculus AB and BC. The skills learned in this course are also foundational for college pathways and careers in math, physics, biology, health science, social science, and data science. This course is comprised of four overarching units: (1) Polynomial and Rational Functions (2) Exponential and Logarithmic Functions (3) Trigonometric and Polar Functions (4) Functions involving Parameters, Vectors, and Matrices. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

Dual Precalculus: UT OnRamps

TEDS: 03101100 ☑ **KISD Cohort 2023, 2024:** 2314
Credit: 1 **KISD Cohort 2025+:** 23146
Grade: 10-12
Prerequisite: Algebra I, Geometry, and Algebra II

In this dual enrollment course, students will deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so they can successfully work with the concepts in a rigorous university-level Calculus course. This course is designed to challenge students, with an emphasis on unpacking mathematical definitions and making logical arguments. The course is divided into seven units; each unit consists of a series of explorations designed to engage students and empower them to develop their problem-solving skills. In each exploration students will create connections with prior concepts in developing the current topic. Students will experience a high-quality curriculum designed by the faculty at The University of Texas at Austin and delivered by Keller ISD teachers. Students can earn three hours of UT credit, with feedback and assessment provided by UT course staff. *This course receives AP weight for the class of 2025 and beyond.*

Statistics

TEDS: 03102530 ☑ **KISD:** 2417
Credit: 1
Grade: 10-12
Prerequisite: Algebra I

Statistics allows students to build upon and apply their critical thinking skills through the analysis of data and data patterns. In this course students broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations.

AP Statistics

TEDS: A3100200 ☑ **KISD:** 2403
Credit: 1
Grade: 10-12
Recommended prerequisite: Geometry and Algebra II

This course prepares students for the College Board AP Statistics Exam for possible college credit (1 semester, non-Calculus based Statistics). AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: Describing patterns and departures from patterns, Sampling and Experimentation: Planning and conducting a study, Anticipating Patterns: Exploring random phenomena using probability and simulation, Statistical Inference: Estimating population parameters and testing hypotheses. **AP students prepare to take the Advanced Placement Exam in for possible college credit.**

Dual Statistics: UT OnRamps

TEDS: 03102530 ☑ **KISD Cohort 2023, 2024:** 2414
Credit: 1 **KISD Cohort 2025+:** 24146
Grade: 11-12
Recommended prerequisite: Geometry and Algebra II

OnRamps Statistics is a dual-enrollment data analysis course for high school juniors and seniors seeking to develop the quantitative reasoning skills and habits of mind necessary to succeed in the higher education environment. This course will target conceptual understanding and hone highly relevant mathematical skills through scaffolded introduction to statistical methodologies, informal game play, and strategic lab exercises that engage students in hands-on analysis of real data. Valuable programming and coding skills are acquired as a means to conducting these analyses, giving students a solid foundation in data science. Team-based problem solving is highly valued, and assessments will guide students through self-reflective analyses of their own preparedness and depth of understanding. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. This course counts as 1 credit. Algebra II and Geometry are the prerequisites. *This course receives AP weight for the class of 2025 and beyond.*

Calculus

TEDS: 03102500 ☑ **KISD:** 2322
Credit: 1
Grade: 11-12
Recommended prerequisite: Precalculus

Calculus is designed for college bound students who have taken on level Precalculus. Topics include elementary functions, limits, differential calculus and integral calculus. Applications include problems from business, economics, life sciences and social sciences. Students will also review many college algebra skills to help prepare them for college math placement tests.

AP Calculus AB

AP

TEDS: A3100101 ☑ **KISD:** 2333
Credit: 1
Grade: 11-12
Recommended prerequisite: Precalculus

This course prepares students for the College Board AP Calculus AB Exam for possible college credit (1st semester calculus). AP Calculus AB is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Calculus AB topics include Functions, Graphs and Limits; Derivatives; and Integrals. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP Calculus BC*

AP

TEDS: A3100102 ☑ **KISD:** 2343
Credit: 1
Grade: 11-12
Recommended prerequisite: AP Calculus AB

This course prepares students for the College Board AP Calculus BC Exam for possible college credit (1st and 2nd semester Calculus). Students explore all topics covered in AP Calculus AB along with additional topics such as parametric, polar, and vector functions and derivatives, polynomial approximations, and series. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

*AP Calculus AB and BC are traditionally double-blocked on the high school campus to support advanced level students and their individualized schedules.

KISD: 2341

Multivariable Calculus

TEDS: N1110018 ☑ **KISD:** 2363
Credit: .5
Grade: 11-12
Prerequisite: AP Calculus BC

The concepts learned in the single variable calculus course and extends them to multiple dimensions. Topics discussed include: vector algebra; applications of the dot and cross product; equations of lines, planes, and surfaces in space; converting between rectangular, cylindrical, and spherical coordinates; continuity, differentiation, and integration of vector-valued functions; application of vector-valued functions such as curvature, arc length, speed, velocity, and acceleration; continuity, limits, and derivatives of multivariable functions, tangent planes and normal lines of surfaces; applying double and triple integrals to multivariable functions to find area, volume, surface area, mass, center of mass, and moments of inertia; vector fields; finding curl and divergence of vector fields; line integrals; conservative vector fields, conservation of energy. This course counts as a weighted ½ credit and is to be taken the first semester with Linear Algebra being the second semester course. Calculus BC is the prerequisite.

Linear Algebra

TEDS: N1110021 ☑ **KISD:** 2373
Credit: .5
Grade: 11-12
Prerequisite: Multivariable Calculus

Students are introduced to linear algebra with an emphasis on the computational and geometrical aspects of the subject. This course begins with vectors and matrices and progresses to systems of linear equations before becoming acquainted with vector spaces and linear transformations. This course counts as a weighted ½ credit and is to be taken second semester following Multivariable Calculus in the first semester. Multivariable Calculus is the prerequisite.

Multi-Disciplinary

Program of Study	9th	10th	11th	12th
Core Classes (sample pathway)	**English I Algebra I Biology World Geography**	**English II Geometry Chemistry** World History**	**English III Algebra II Physics** OR 3rd Science US History**	**English IV* 4th Math 4th Science Government/ Economics**
Advanced CTE Courses* **			**Advanced CTE Credit 1 Advanced CTE Credit 2**	**Advanced CTE Credit 3 Advanced CTE Credit 4**
Advanced Core Courses****		**AP or Dual Credit Course 1**	**AP or Dual Credit Course 2**	**AP or Dual Credit Course 3 AP or Dual Credit Course 4**
AVID*** **	**AVID 1 *AND* Honors Course(s)**	**AVID 2 *AND* AP or Dual Credit Course(s)**	**AVID 3 *AND* AP or Dual Credit Course(s)**	**AVID 4 *AND* AP or Dual Credit Course(s) AP or Dual Credit Course(s)**

***Students *cannot* substitute English 4 for another 4th English option.

****Students *must* take either Chemistry or Physics.

*****Courses do not have to be in a coherent sequence nor within the same endorsement area. Advanced CTE courses are those offered by KISD in the 11th or 12th grade or those that fall under levels 3 and 4 of the TEA Approved CTE Programs of Study.

******AP or Dual Credit courses must be in the areas of English, Math, Science, Social Studies, Languages Other Than English, or Fine Arts.

*****AVID Courses alone do not earn an endorsement. Students must also complete one of the other KISD pathways listed in this guide.

Advancement Via Individual Determination (AVID)

Course Name	Credits	Grade Levels	Required Prerequisites
AVID I	**1**	**9-12**	**Application process**
AVID II	**1**	**10-12**	**AVID I or application process**
AVID III	**1**	**11-12**	**Previous enrollment in AVID elective class prior to grade 11 for at least one year**
AVID IV	**1**	**12**	**Previous enrollment in AVID elective class prior to grade 12 for at least one year**

AVID I

TEDS: N1290001 **KISD:** 5762
Credit: 1
Grade: 9-12
Required prerequisite: Application process

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success. Each week, students receive instruction that utilizes a rigorous college-preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. Additionally, students engage in activities centered around exploring college and career opportunities and their own agency.

AVID II

TEDS: N1290002 **KISD:** 5763
Credit: 1
Grade: 9-12
Required prerequisite: Application process

During the 10th grade AVID elective course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase their rigorous course load and school/community involvement, they will refine their time-management and study skills accordingly. Students will expand their writing portfolio to include analyzing prompts, supporting arguments and claims, character analysis, and detailed reflections. Students will also analyze various documents in order to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their colleges and careers of interest based on their personal interests and goals. *This course will count as a student's 21st century skill requirement for graduation.*

AVID III

TEDS: N1290030 **KISD:** 5764
Credit: 1
Grade: 11-12
Required prerequisite: Previous enrollment in AVID elective class prior to grade 11 for at least 1 year; enrollment in at least one advanced, AP, or dual credit course in the 11th grade

The 11th grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies, and tasks that should be undertaken during the junior year to support students when they apply to four-year universities and confirm their postsecondary plans.

AVID IV

TEDS: N1290033 **KISD:** 5766
Credit: 1
Grade: 12
Required prerequisite: 2 years of previous AVID courses; enrollment in at least one advanced, AP, or dual credit course in the 12th grade

The 12th grade AVID elective course is the second part in a junior/senior seminar course that focuses on the writing and critical thinking expected of first- and second-year college students. Students will complete a final research essay project with research skills gained in their junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies, and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their postsecondary plans. All AVID seniors are required to develop and present a portfolio representing their years of work in the AVID program, as well as complete the requirements for the seminar course.

Keller Collegiate Academy (KCA) Pathways

Keller Collegiate Academy includes pathways in:

- **Associate of Arts with Health Science certifications**
- **Associate of Science with Health Science certifications**
- **Associate of Applied Science, Surgical Technology**
- **Associate of Applied Science, Anesthesia Technology**

Keller Collegiate Academy - Associate of Science

Subject Area	High School Course	Dual Credit	Subject Area	High School Course	Dual Credit
English (4.0)	Honors English I A		Math (4.0)	Honors Algebra I A	
	Honors English I B			Honors Algebra I B	
	Honors English II A			Honors Geometry A	
	Honors English II B			Honors Geometry B	
	English III A	ENGL 1301		Honors Algebra II A	
	English III B	ENGL 1302		Honors Algebra II B	MATH 1314
	English IV A	ENGL 2322		Honors Pre Calculus A	
	English IV B	ENGL 2323		Honors Pre Calculus B	MATH 2412
				Calculus I	MATH 2413
				Calculus II	MATH 2414
Social Studies (4.0)	Honors World/ AP Human Geography A		Science (4.0)	Honors Biology A	
	Honors World/ AP Human Geography B			Honors Biology B	
	World History/ WHAP A			Honors Chemistry A	
	World History/ WHAP B			Honors Chemistry B	
	US History A	HIST 1301		Honors Physics A or AP Physics	
	US History B	HIST 1302		Honors Physics B or AP Physics	
	Government	GOVT 2305		Advanced Science IA	BIOL 1406
	Economics / AP Economics			Advanced Science IB	BIOL 1407
				Advanced Science IIA	CHEM 1411
				Advanced Science IIB	CHEM 1412
World Languages (2.0)	Honors Spanish I A		AVID	AVID I A	
	Honors Spanish I B			AVID I B	
	Honors Spanish II A			AVID II A	
	Honors Spanish II B			AVID II B	
	Optional Honors Spanish III A			AVID III A	
	Optional Honors Spanish III B			AVID III B	
	Optional AP Spanish IV			AVID IV A	
Speech (0.5)	Professional Communications	SPCH 1321		AVID IV B	
Phys. Ed. (1.0)	HS PE A	KINE 1164	MISC	Certification	
	HS PE B			PCT	
Fine Arts (1.0)	Honors HS Art A	ARTS 1303		MED ASST	
	Honors HS Art B				
Electives (5.5)	General Psych	PSYC 2301			
	HS Med Term A				
	Med Term B	HPRS 1206			
	HS Hlth Sc Theory A				
	HS Hlth Sc Theory B			TESTS	
	Special Topics in SS	GOVT 2306		TSIA2	
	Practicum in HST (PCT) A (1 credit)			SAT/ACT	
	Practicum in HST (PCT) B (1 credit)			PSAT	
	Practicum in HST II (MED ASST) A (1.5 credits)				
	Practicum in HST II (MED ASST) B (1.5 credits)				

Keller Collegiate Academy - Associate of Arts

Subject Area	High School Course	Dual Credit Course	Subject Area	High School Course	Dual Credit Course
English (4.0)	Honors English I A		Math (4.0)	Honors Algebra I A	
	Honors English I B			Honors Algebra I B	
	Honors English II A			Honors Geometry A	
	Honors English II B			Honors Geometry B	
	English III A	ENGL 1301		Honors Algebra II A	
	English III B	ENGL 1302		Honors Algebra II B	MATH 1314
	English IV A	ENGL 2322		Statistics (1 Credit)	MATH 1342
	English IV B	ENGL 2323			
Social Studies (4.0)	Honors World/ AP Human Geography A		Science (4.0)	Honors Biology A	
	Honors World/ AP Human Geography B			Honors Biology B	
	World History/ WHAP A			Honors Chemistry A	
	World History/WHAP B			Honors Chemistry B	
	US History A	HIST 1301		Honors Physics A or AP Physics I A	
	US History B	HIST 1302		Honors Physics B or AP Physics I B	
	Government	GOVT 2305		Anatomy & Physiology I	BIOL 2401
	Economics / AP Economics			Anatomy & Physiology II	BIOL 2402
World Languages (2.0)	Honors Spanish I A		AVID	AVID I A	
	Honors Spanish I B			AVID I B	
	Honors Spanish II A			AVID II A	
	Honors Spanish II B			AVID II B	
	Optional Honors Spanish III A			AVID III A	
	Optional Honors Spanish III B			AVID III B	
	Optional AP Spanish IV			AVID IV A	
Speech (0.5)	Prof Comm	SPCH 1321		AVID IV B	
Phys. Ed. (1.0)	HS PE A	KINE 1164	MISC	Certification	
	HS PE B			PCT	
Fine Arts (1.0)	HS Honors Art A	ARTS 1303		MED ASST	
	Honors Art B			TESTS	
Electives (5.5)	General Psych	PSYC 2301		TSIA2	
	Med Term A			SAT/ACT	
	Dual Med Term B	HPRS 1206		PSAT	
	HS Health Science Theory A				
	HS Health Science Theory B				
	Special Topics in SS	GOVT 2306			
	Practicum in HST (PCT) A (1 credit)				
	Practicum in HST (PCT) B (1 credit)				
	Practicum in HST II (MED ASST) A (1.5 credits)				
	Practicum in HST II (MED ASST) B (1.5 credits)	HPRS 1202			
	Microbio (1 credit)	BIOL 2420			
	Pharmacology A	HPRS 2200			
	Pharmacology B	HPRS 2201			

English I Honors

TEDS: 03220100 ☑ **KISD:** 1023
Credit: 1
Grade: 9
Recommended prerequisite: None

This course provides an in-depth study of the elements and genres of literature. Students produce a variety of original texts including documented research and literary analysis. They will also present oral communications using various forms and technologies. They analyze and critique their presentations and those of others emphasizing the purpose and effect of visuals on the audience. Students will focus on skills required for success in dual credit and on the Advanced Placement Exam.

English II Honors

TEDS: 03220200 ☑ **KISD:** 1053
Credit: 1
Grade: 10
Recommended prerequisite: English I

English II Honors includes advanced mechanics, syntax, usage, and vocabulary in preparation for the PSAT and Advanced Placement Exam. It continues work on critical thinking skills. Students analyze discourse in persuasive and informative texts as well as the short, documented essay. Students will also write reflectively using personal narrative and memoir. The course requires critical reading of classical, Medieval, Renaissance, and contemporary literature with emphasis on the writer's style and purpose. Literary selections provide more mature reading experiences. Students will produce a variety of oral and media communications. They will analyze and evaluate their own and others' presentations in terms of the effect of media on American society. Students will also complete a research project.

TCC English III

TCC ENGL 1301 Composition I and ENGL 1302 Composition II
TEDS: 03220300 **KISD:** 1065P
Credit: 1
Grade: 10-11

ENGL 1301: Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.
Required Prerequisite(s): TSI compliant in writing and reading
ENGL 1302: Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.
Required Prerequisite: ENGL 1301

English IV

TEDS: 03220400 ☑ **KISD:** 1093
Credit: 1
Grade: 12
Recommended prerequisite: English III

English IV is the final year of a required four-year study for the college bound student. Intense instruction emphasizes an in-depth study of British literature. Composition work continues with expository writing and argumentation. Each student must complete a senior research theme paper.

TCC English IV

TCC ENGL 2322 British Literature I and ENGL 2323 British Literature II

TEDS: 03220400 **KISD:** 1103P
Credit: 1
Grade: 11-12
Required prerequisites: ENGL 1301 and ENGL 1302

ENGL 2322: A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions.
ENGL 2323: A survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

TCC Speech Communications

TCC SPCH 1321 Business and Professional Communications

TEDS: 13009900 **KISD:** 1461PD
Credit: .5
Grade: 9-12

Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking.

Algebra I Honors

TEDS: 03100500 ☑ **KISD:** 2013
Credit: 1
Grade: 9
Recommended prerequisite: Grade 8 Mathematics or equivalent

There is a strong expectation that all of the students in an Honors math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Algebra I Honors includes all Algebra I standards with added rigor and depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Algebra 1 serves as a foundation and a prerequisite for all subsequent math courses.

Geometry Honors

TEDS: 03100700 ☑ **KISD:** 2223
Credit: 1
Grade: 9-12
Recommended prerequisite: Algebra I

There is a strong expectation that all students in an Honors math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Geometry Honors includes all Geometry standards with added rigor and depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Students who choose to accelerate their math coursework may concurrently take Algebra II Honors and Geometry Honors.

Algebra II Honors

TEDS: 03100600 ☑ **KISD:** 2033PA
Credit: 1
Grade: 10-12
Recommended prerequisite: Algebra I

There is a strong expectation that all of the students in an Honors math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Algebra II Honors includes all Algebra II standards with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Algebra II Honors is designed to prepare students who will be taking AP Calculus or AP Statistics in their 11th or 12th grade year of high school.

TCC Algebra II

TCC MATH 1314 College Algebra

TEDS: 03100607 **KISD:** 2043PB
Credit: .5
Grade: 11-12
Required prerequisite: TSI met in Algebraic Math pathway

In-depth study and applications of polynomial, rational, radical, exponential, and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

Precalculus Honors

TEDS: 03101100 ☑ **KISD:** 2313A
Credit: .5
Grade: 10-12
Prerequisite: Algebra I, Geometry, and Algebra II

There is a strong expectation that all of the students in an Honors math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Precalculus Honors is designed to prepare students who will be taking AP Calculus or AP Statistics in their 11th or 12th grade year of high school. Precalculus Honors includes all Precalculus standards with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work.

TCC Precalculus

TCC Math 2412

TEDS: 03101100 **KISD:** 2314PB
Credit: .5
Grade: 11
Required prerequisites: TCC Admission Standards

In depth combined study of algebra, trigonometry, and other topics for calculus readiness.

TCC Calculus I/Calculus II

TCC Math 2413 and Math 2414

TEDS: 03102500 **KISD:** 2322P
Credit: 1
Grade: 12
Required prerequisites: TCC Admission Standards

Limits and continuity; the fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas. Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; and improper integrals.

TCC Statistics

TCC MATH 1342 Elementary Statistical Methods

TEDS: 03102530 **KISD:** 2414P
Credit: 1
Grade: 9-12
Required prerequisites:

1. TSI Met in Reading and
2. TSI Met in Non-Algebraic Math pathway

Collection, analysis, presentation, and interpretation of data, and probability. The analysis includes descriptive statistics, correlation and regression, confidence intervals, and hypothesis testing. The use of appropriate technology is recommended.

Biology Honors

TEDS: 03010200 ☑ **KISD:** 3113
Credit: 1
Grade: 9-10
Prerequisite: None

Biology Honors is a comprehensive study of biology, ecology, evolution, biochemical pathways, organic and biochemistry, cell biology, genetics, molecular biology, microbiology (which includes invertebrates), taxonomy, embryogenesis, homeostasis and human body systems (immune, lymphatic, digestive, and circulatory system). Students will be expected to show commitment to Honors curriculum and be motivated to utilize higher level thinking skills. The course will also include special projects and a more in-depth study of biological concepts. Honors students should expect to continue in the AP program with a goal of taking the AP test.

TCC Biology (Scientific Research & Design)

TCC BIOL 1406 Biology for Science Majors and BIOL 1407 Biology for Science Majors 2

TEDS: 13037200 **KISD:** 8225P
Credit: 1
Grade: 11
Required prerequisites: TCC Admission Standards

Fundamental principles of living organisms will be studies, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included. The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals.

Chemistry Honors

TEDS: 03040000 ☑ **KISD:** 3313
Credit: 1
Grade: 10-12
Prerequisite: One science and Algebra I

Chemistry Honors is a comprehensive study of chemistry, scientific method, lab safety, scientific measurements, properties of matter, atomic structure and its history, quantum numbers, periodic table characteristics and trends, chemical bonding, gas laws, nomenclature of compounds, moles, chemical reactions, stoichiometry, aqueous mixtures, acid/bases and neutralization reactions. The course will be lab based and students will be asked to analyze and evaluate data from lab investigation. Chemistry Honors covers additional rigorous College Board topics that require critical thinking and a higher level of math skills, such as solving equations for variables, exponential and mathematical abstraction. Students should expect a challenging college preparatory curriculum with the expectation of moving on to AP Chemistry and taking the AP test.

TCC Chemistry (Scientific Research & Design

TCC CHEM 1411 General Chemistry and TCC Chem 1412 General Chemistry 2

TEDS: 13037210 **KISD:** 8226P
Credit: 1
Grade: 12
Required prerequisites: TCC Admission Standards

Fundamental principles of chemistry in the sciences, health sciences, and engineering; topics include measurements, matter, chemical reactions, stoichiometry, periodicity of elemental properties, atomic and molecular structure, chemical bonding, solutions properties of gases, and an introduction to thermodynamics and descriptive chemistry. Chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry.

Physics Honors

TEDS: 03050000 ☑ **KISD:** 3413
Credit: 1
Grade: 9-12
Prerequisite: Algebra I

Physics Honors is a comprehensive study of physics that studies laws of motion, changes within physical systems, and conservation of energy and momentum; forces; thermodynamics; waves; and atomic, nuclear, and quantum physics. Physics Honors covers additional rigorous College Board topics that require critical thinking and a higher level of math skills. Students will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, and develop critical thinking skills. Students should expect a challenging college preparatory curriculum with the expectation of moving on to AP Physics and taking the AP test.

AP Physics I

TEDS: A3050003 ☑ **KISD:** 3443
Credit: 1
Grade: 10-12
Recommended prerequisite: Algebra I and Geometry
Corequisite: Algebra II

Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits.**AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

TCC Anatomy and Physiology

TCC BIOL 2401 Anatomy and Physiology (Lecture and Lab)

TEDS: 13020600 **KISD:** 3203P
Credit: 1
Grade: 9-12
Required prerequisite: TSI Met in Reading and Writing

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues, and organs of the following systems: integumentary, skeletal, muscular, nervous, and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. Content may be either integrated or specialized. The lab provides a hands-on learning experience for the exploration of human system components and basic physiology. Systems to be studied include integumentary, skeletal, muscular, nervous, and special senses.

TCC BIOL 2402 Anatomy and Physiology II (Lecture and Lab)

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 9-12
Required prerequisite: BIOL 2401 Anatomy and Physiology

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for the exploration of human system components and basic physiology. Systems to be studied include endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics).

TCC Medical Microbiology

TCC BIOL 2420 Microbiology for Non-Science Majors (lecture and Lab)

TEDS: 13020700 **KISD:** 8121P
Credit: 1
Grade: 10-12
Required prerequisite(s):
1. TSI Met in Reading and
2. TSI Met in Non-Algebraic Math pathway

Recommended prerequisite: MATH 1314

This course covers basic microbiology and immunology and is primarily directed at pre-nursing, pre-allied health, and non-science majors. It provides an introduction to historical concepts of the nature of microorganisms, microbial diversity, the importance of microorganisms and acellular agents in the biosphere, and their roles in human and animal diseases. Major topics include bacterial structure as well as growth, physiology, genetics, and biochemistry of microorganisms. Emphasis is on medical microbiology, infectious diseases, and public health.

TCC Pathophysiology

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11-12

Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and physical and psychological reactions to diseases and injuries.

World Geography Honors

TEDS: 03320100 ☑ **KISD:** 4223
Credit: 1
Grade: 9
Recommended prerequisite: None

World Geography Honors is designed for mastery of the Texas Essential Knowledge and Skills as well extension beyond this mastery. In this course, critical thinking and analytical skills will be utilized in various projects including interpretation of primary and secondary source materials. Students will use their knowledge of spatial relationships, systematic physical and human processes and the interaction between people and their environment to make intelligent decisions as citizens.

AP Human Geography

TEDS: A3360100 ☑ **KISD:** 4501
Credit: 1
Grade: 9-12
Recommended prerequisite: None

AP Human Geography introduces high school students to college-level introductory human geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human–environment relationships on places, regions, cultural landscapes, and patterns of interaction. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

World History

TEDS: 03340400 ☑ **KISD:** 4103
Credit: 1
Grade: 10
Recommended prerequisite: None

World History Studies is a survey of the history of humankind. The major emphasis is on the study of significant people, events, and issues from the 8000 BC to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. A variety of rich primary and secondary source material such as state papers, legal documents, charters, constitutions, biographies, autobiographies, speeches, letters, literature, music, art, and architecture will be used in order for students to understand the impact of world history.

AP World History: Modern Course

TEDS: A3370100 ☑ **KISD:** 4123
Credit: 1
Grade: 10
Recommended prerequisite: None

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

United States History

TEDS: 03340100 ☑ **KISD:** 4003
Credit: 1
Grade: 11
Recommended prerequisite: None

In United States History Studies Since 1877, students study the history of the United States from 1877 to the present. The course content is based on the founding documents of the U.S. government, which provide a framework for its heritage. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and popular culture and the times during which they were created. Students use critical-thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context.

TCC US History

TCC HIST 1301 United States History I and 1302 United States History II
TEDS: 03340100 **KISD:** 4004P
Credit: 1
Grade: 11
Required prerequisites: ENGL 1301 with a grade of C or TSI-compliant in Reading
HIST 1301: A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.
HIST 1302: A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War, and post-Cold War eras. Themes that may be addressed include American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.

United States Government

TEDS: 03330100 ☑ **KISD:** 4301
Credit: .5
Grade: 12
Recommended prerequisite: None

In United States Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students will explore a variety of rich primary and secondary source material such as the complete text of the U.S. Constitution, selected Federalist Papers, landmark cases of the U.S. Supreme Court, biographies, autobiographies, memoirs, speeches, letters, and periodicals that feature analyses of political issues and events.

TCC Special Topics in Social Studies

TCC GOVT 2306 Texas Government
TEDS: 03380001 **KISD:** 1204P
Credit: .5
Grade: 11
Required prerequisite: TCC Admission Standards

Origin and development of the Texas Constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas.

TCC Government

TCC GOVT 2305 Federal Government
TEDS: 03330100 **KISD:** 4304PD
Credit: .5
Grade: 12
Required prerequisite: ENGL 1301 with a grade of C or TSI-compliant in Reading

Origin and development of the U.S. Constitution, structure, and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties, and civil rights.

Economics

TEDS: 03310300 ☑ **KISD:** 4302
Credit: .5
Grade: 12
Recommended prerequisite: None

In Economics, the focus is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The course also incorporates instruction in personal financial literacy.

AP Macroeconomics

TEDS: A3310200 ☑ **KISD:** 4322
Credit: .5
Grade: 12
Recommended prerequisite: None

AP Macroeconomics is equivalent to an introductory college course in macroeconomics and is taught with a college level text. The purpose of AP Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income and price determination and develops students' familiarity with economic performance measures, economic growth, fluctuations of outputs and prices, money, monetary and fiscal policy and the global economy. **AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course is offered in the traditional classroom and through the Keller ISD Blended Learning program.**

TCC Psychology

TCC PSYC 2301 General Psychology
TEDS: 03350100 **KISD:** 4402PD
Credit: .5
Grade: 9-12
Required prerequisite: TSI Met in Reading

A survey of the major psychological topics, theories, and approaches to the scientific study of behavior and mental processes.

Spanish I Honors

TEDS: 03440100 ☑ **KISD:** 6003
Credit: 1
Grade: 9-12
Recommended prerequisite: None

This course is designed to aggressively initiate the AP student to the overall AP Foreign Language program. In addition to learning broad vocabulary from a wide variety of sources, the student will learn the present and preterit tenses as well as a host of grammatical structures, constructions, and tools for communication. Students will develop all skills in reading, listening, writing, and speaking and will utilize each of the skills as they are regularly tested in the AP exam format.

Spanish II Honors

TEDS: 03440200 ☑ **KISD:** 6083
Credit: 1
Grade: 9-12
Recommended prerequisite: Spanish I

This course includes thematic vocabulary and expanded grammar concepts in cultural and contextualized environment. This course builds on the skills acquired in Spanish I as students continue to develop speaking, listening, reading, and writing. This course prepares students for Spanish III Honors as students are introduced to AP writing and literature.

TCC Art

TCC ARTS 1303 Art History I/ Art Appreciation
TEDS: 03500110 **KISD:** 7543P
Credit: 1
Grade: 10-12
Recommended prerequisite: None

This full year advanced course will explore a chronological analysis of the historical and cultural contexts of the visual arts from prehistoric times to the 14th century and beyond. Students will explore a variety of art methods and materials utilized by different civilizations throughout history. It will provide hands-on art making experiences in addition to lectures and high-level discussions. Students will earn .5 TCC dual credit during the first semester and .5 high school fine arts credit during the second semester. Students are required to enroll in this art course for the entire school year.

Lifetime Fitness and Wellness Pursuits

TEDS: PES00051 **KISD:** 50401
Credit: .5
Grade: 9-12
Recommended prerequisite: None

The purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives – students designing their own personal fitness program.

TCC Physical Education

TCC KINE 1164 Introduction to Physical Fitness and Wellness
TEDS: PES00051 **KISD:** 5041PA
Credit: .5
Grade: 10-12

This course will provide an overview of the lifestyle necessary for fitness and health. Students will participate in physical activities and assess their fitness status. Students will be introduced to proper nutrition, weight management, cardiovascular health, flexibility, and strength training. Includes:

1. Scientific information concerning values and preventive medical benefits of exercise.
2. Individual (personal) evaluations and experiments to determine the present health fitness status.
3. Development of a personal exercise program based on the student's needs.

AVID I

TEDS: N1290001 **KISD:** 5762
Credit: 1
Grade: 9-12
Required prerequisite: Application process

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success. Each week, students receive instruction that utilizes a rigorous college-preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. Additionally, students engage in activities centered around exploring college and career opportunities and their own agency.

AVID II

TEDS: N1290002 **KISD:** 5763
Credit: 1
Grade: 9-12
Required prerequisite: Application process

During the 10th grade AVID elective course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase their rigorous course load and school/community involvement, they will refine their time-management and study skills accordingly. Students will expand their writing portfolio to include analyzing prompts, supporting arguments and claims, character analysis, and detailed reflections. Students will also analyze various documents in order to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their colleges and careers of interest based on their personal interests and goals. *This course will count as a student's 21st century skill requirement for graduation.*

AVID III

TEDS: N1290030 **KISD:** 5764
Credit: 1
Grade: 11-12
Required prerequisite: Previous enrollment in AVID elective class prior to grade 11 for at least 1 year; enrollment in at least one honors, AP, or dual credit course in the 11th grade

The 11th grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies, and tasks that should be undertaken during the junior year to support students when they apply to four-year universities and confirm their postsecondary plans.

AVID IV

TEDS: N1290033 **KISD:** 5766
Credit: 1
Grade: 12
Required prerequisite: 2 years of previous AVID courses; enrollment in at least one honors, AP, or dual credit course in the 12th grade

The 12th grade AVID elective course is the second part in a junior/senior seminar course that focuses on the writing and critical thinking expected of first- and second-year college students. Students will complete a final research essay project with research skills gained in their junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies, and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their postsecondary plans. All AVID seniors are required to develop and present a portfolio representing their years of work in the AVID program, as well as complete the requirements for the seminar course.

Medical Terminology

TEDS: 13020300 **KISD:** 8181PA
Credit: .5
Grade: 9-12
Recommended prerequisite: None

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

TCC Medical Terminology

TCC HPRS 1206 Essentials of Medical Terminology
TEDS: 13020300 **KISD:** 8181PB
Credit: .5
Grade: 9-12

A study of medical terminology, word origin, structure, and application.

Health Science Theory

TEDS: 13020400 **KISD:** 8180P
Credit: 1
Grade: 10-12
Recommended prerequisite: Principles of Health Science**, Medical Terminology, and Biology

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands on experiences for continued knowledge and skills development. The course may be taught by different methodologies such as clinical rotation and career preparation learning.

TCC Pharmacology

TCC HPRS 2200 Pharmacology
TEDS: 13020950 **KISD:** 8188P
Credit: 1
Grade: 11-12

A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages.

Practicum in Health Science: Patient Care Technician (PCT)

TEDS: 13020500 I **KISD:** 8281P
Credit: 2
Grade: 11
Required prerequisite: Health Science Theory

Doctors, nurses, and other healthcare professionals rely on patient care technicians to assist
with the critical day to day care some patients require. They provide hands on assistance to
serve patients' basic needs, which greatly impacts the lives of their patients and their patients'
families. As a patient care tech, you may be able to perform some or all of the following tasks:
• Provide basic patient care bathing, feeding, catheter care, etc.
• Acquire, distribute and administer patient care supplies
• Perform safety checks and ensure cleanliness in patient rooms
• Accommodate any additional patient needs
• Obtain EKG readings and monitor vital signs
• Perform phlebotomy procedures
• Provide emotional support to patients and families, particularly coping with grief and
death

Practicum in Health Science: Independent Study

TEDS: 13020500 I **KISD:** 8381P
Credit: 2
Grade: 11
Required prerequisite: Health Science Theory

In the Practicum in Health Science Independent Study course, through the study of health science, including technology-related terms, concepts, and data input strategies, students will communicate information in different formats and to diverse audiences using a variety of technologies. Students will learn to make informed decisions, develop and produce original work that exemplifies the standards identified by the selected healthcare profession or discipline, and publish the product in electronic media and print. Students will demonstrate efficient acquisition of information by identifying task requirements, using search strategies, and using technology to access, analyze, and evaluate the acquired information. By using technology as a tool that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

TCC RNSG 1413 Foundations of Nursing Practice

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11-12

Introduction to the role of the professional nurse as a provider of patient-centered care, patient safety advocate, member of the health care team, and member of the profession. Content includes fundamental concepts of nursing practice, history of professional nursing, and a systematic framework for decision-making and critical thinking. Emphasis on knowledge, judgment, skills, and professional values within a legal/ethical framework. This course lends itself to a blocked approach. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of identified major concepts. Credit by Examination is available for the Fast Track Option. Enrollment requires official acceptance into the Nursing Program.

TCC RNSG 1105 Nursing Skills I

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11-12
Required prerequisite(s): BIOL 2401, BIOL 2402, BIOL 2420, and TSI Math placement score

Study of the concepts and principles necessary to perform basic nursing skills for the adult patient, and demonstrate competence in the performance of nursing procedures. Content includes knowledge, judgment, skills, and professional values within a legal/ethical framework. This course lends itself to a blocked approach. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of identified major concepts. Credit by Examination is available for the Fast Track Option. Enrollment requires official acceptance into the Nursing Program.

TCC Extended Practicum in Health Science: Nursing

TCC RNSG 1360 and RNSG 1461
TEDS: 13020515 **KISD:** 8147P
Credit: 3
Grade: 11-12
Required prerequisite: BIOL 2401, BIOL 2402, BIOL 2420, and TSI Math placement score

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of identified major concepts. Credit by Examination is available for the Fast Track Option. Enrollment requires official acceptance into the Nursing Program.

TCC RNSG 1441 Common Concepts of Adult Health

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11-12
Required prerequisite(s): RNSG 1413, RNSG 1360, and RNSG 1105

Basic integration of the role of the professional nurse as a provider of patient-centered care, patient safety advocate, member of the health care team, and member of the profession. Study of the common concepts of caring for adult patients and families with medical-surgical health care needs related to body systems, emphasizing knowledge, judgment, skills, and professional values within a legal/ethical framework. This course lends itself to a blocked approach. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of identified major concepts.

TCC RNSG 2201Care of Children and Families

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required prerequisite(s): RNSG 1441, RNSG 1461, RNSG 2213, RNSG 2263, PSYC 2314, or Administrative Approval

Study of concepts related to the provision of nursing care for children and their families, emphasizing judgment, and professional values within a legal/ethical framework. This course lends itself to a blocked approach. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of major concepts.

TCC RNSG 2208 Maternal and Newborn Nursing and Women's Health

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required prerequisite(s): RNSG 1441, RNSG 1461, RNSG 2213, RNSG 2263, PSYC 2314, or Administrative Approval

Concepts related to nursing care for childbearing families and women's health issues. Content includes knowledge, judgment, skill, and professional values within a legal/ethical framework. This course lends itself to a blocked approach. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of identified major concepts.

TCC RNSG 2213 Mental Health Nursing

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11-12
Required prerequisite(s): RNSG 1413, RNSG 1360, RNSG 1105, PSYC 2301, or Administrative Approval

Principles and concepts of mental health, psychopathology, and treatment modalities related to the nursing care of patients and their families. This course lends itself to a blocked approach. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of identified major concepts.

TCC RNSG 2260 Clinical-Registered Nursing/Registered Nurse

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required prerequisite(s): RNSG 2213, RNSG 2208, RNSG 2201, or Administrative Approval

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of identified major concepts.

TCC RNSG 2261 Clinical-Registered Nursing/Registered Nurse

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required prerequisite(s): RNSG 2213, RNSG 2208, RNSG 2260, RNSG 2201, or Administrative Approval

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of identified major concepts.

TCC RNSG 2263 Clinical-Registered Nursing/Registered Nurse

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11-12
Required prerequisite(s): RNSG 2213, RNSG 2208, RNSG 2260, RNSG 2201, RNSG 2261, or Administrative Approval

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of identified major concepts.

TCC RNSG 2461 Clinical-Registered Nursing/Registered Nurse

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required prerequisite(s): RNSG 2213, RNSG 2263, RNSG 2208, RNSG 2260, RNSG 2201, RNSG 2261, or Administrative Approval

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of identified major concepts.

TCC RNSG 1443 Complex Concepts of Adult Health

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required prerequisite(s): RNSG 2213, RNSG 2263, RNSG 2208, RNSG 2260, RNSG 2201, RNSG 2261, or Administrative Approval

Integration of previous knowledge and skills related to common adult health needs into the continued development of the professional nurse as a provider of patient-centered care, patient safety advocate, member of the health care team, and member of the profession in the care of adult patients and families with complex medical-surgical health care needs associated with body systems. Emphasis on complex knowledge, judgments, skills, and professional values within a legal/ethical framework. This course lends itself to a blocked approach. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of identified major concepts.

TCC RNSG 1443 Complex Concepts of Adult Health

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required prerequisite(s): RNSG 2213, RNSG 2263, RNSG 2208, RNSG 2260, RNSG 2201, RNSG 2261, or Administrative Approval

Integration of previous knowledge and skills related to common adult health needs into the continued development of the professional nurse as a provider of patient-centered care, patient safety advocate, member of the health care team, and member of the profession in the care of adult patients and families with complex medical-surgical health care needs associated with body systems. Emphasis on complex knowledge, judgments, skills, and professional values within a legal/ethical framework. This course lends itself to a blocked approach. The focus is on holistic human needs. Associate degree nurse role assimilation is facilitated through the development of identified major concepts.

TCC SRGT 1405 Introduction to Surgical Technology

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11

Orientation to surgical technology theory, surgical pharmacology and anesthesia, technological sciences, and patient-care concepts.

TCC SRGT 1409 Fundamentals of Perioperative Concepts and Techniques

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11

In-depth coverage of perioperative concepts such as aseptic/sterile principles and practices, infectious processes, wound healing, and creation and maintenance of the sterile field.

TCC SRGT 1366

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11
TBD

TCC SRGT 1441 Surgical Procedures I

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required prerequisite(s): SRGT 1405, SRGT 1409, and SRGT 1266

Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to general, OB/GYN, genitourinary, otorhinolaryngology, and orthopedic surgical specialties incorporating instruments, equipment, and supplies required for safe patient care.

TCC Practicum in Health Science: Surgical Technology

TCC SRGT 1442 Surgical Procedures II and SRGT 1266 Practicum -Surgical Technology/Technologist
TEDS: 13020500 **KISD:** 8182P
Credit: 2
Grade: 12
Required prerequisite(s): SRGT 1405, SRGT 1409, and SRGT 1266

SRGT 1442: Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to general, OB/GYN, genitourinary, otorhinolaryngology, and orthopedic surgical specialties incorporating instruments, equipment, and supplies required for safe patient care.
SRGT 1266: Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

TCC SRGT 1367 Practicum - Surgical Technology Technologist

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12+

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

TCC SRGT 2466 Practicum - Surgical Technology Technologist

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12+

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

TCC SRGT 2270 Professional Readiness

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12+

Overview of professional readiness for employment, attaining certification, and maintaining certification status. A Capstone experience may be included.

TCC HPRS 1202 Wellness and Health Promotion

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12+

An overview of wellness theory and its application throughout the life span. The focus is on attitude development, the impact of cultural beliefs, and communication of wellness.

TCC VNSG 1304 Foundations of Nursing

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11-12
Required Prerequisite(s): BIOL 2401

Introduction to the nursing profession including history, standards of practice, legal and ethical issues, and role of the vocational nurse. Topics include mental health, therapeutic communication, cultural and spiritual diversity, nursing process, and holistic awareness.

TCC VNSG 1323 Basic Nursing Skills

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11-12
Required Prerequisite(s): BIOL 2401

Mastery of basic nursing skills and competencies for a variety of health care settings using the nursing process as the foundation of all nursing interventions.

TCC VNSG 1116 Nutrition

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11-12
Required Prerequisite(s): BIOL 2401

Introduction to nutrients and the role of diet therapy in growth and development and in the maintenance of health.

TCC Extended Practicum in Health Science: Vocational Nursing LVN

TCC VNSG 1360 and VNSG 1461Clinical-Licensed Practical/Vocational Nurse Training
TEDS: 13020515 **KISD:** 8184P
Credits: 3
Grade: 11-12
Required Prerequisite(s): BIOL 2401, VNSG 1429, VNSG 1331, and VNSG 1301

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

TCC VNSG 1331 Pharmacology

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11-12
Required Prerequisite(s): VNSG 1304, VNSG 1323,VNSG 1116, and PSYC 2301

Fundamentals of medications and their diagnostic, therapeutic, and curative effects. Includes nursing interventions utilizing the nursing process.

TCC VNSG 1429 Medical-Surgical Nursing I

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11-12
Required Prerequisite(s): VNSG 1304, VNSG 1323, VNSG 1360, VNSG 1116, and PSYC 2301

Application of the nursing process to the care of the adult patient experiencing medical-surgical conditions along the health-illness continuum in a variety of health care settings.

TCC VNSG 1301 Mental Health and Mental Illness

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 11-12
Required Prerequisite(s): VNSG 1304, VNSG 1323, VNSG 1360, VNSG 1116, and PSYC 2301

Personality development, human needs, common mental mechanisms, and factors influencing mental health and mental illness. Includes common mental disorders and related therapy.

TCC VNSG 1234 Pediatrics

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required Prerequisite(s): VNSG 1429, VNSG 1331, VNSG 1461, and VNSG 1301

Study of the care of the pediatric patient and family during health and disease. Emphasis on growth and developmental needs utilizing the nursing process.

TCC VNSG 1230 Maternal-Neonatal Nursing

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required Prerequisite(s): VNSG 1429, VNSG 1331, VNSG 1461, and VNSG 1301

A study of the biological, psychological, and sociological concepts applicable to the basic needs of the family including childbearing and neonatal care. Utilization of the nursing process in the assessment and management of the childbearing family. Topics include physiological changes related to pregnancy, fetal development, and nursing care of the family during labor and delivery and the puerperium.

TCC VNSG 1219 Leadership and Professional Development

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required Prerequisite(s): VNSG 1429, VNSG 1331, VNSG 1461, and VNSG 1301

Study of the importance of professional growth. Topics include the role of the licensed vocational nurse in the multi-disciplinary health care team, professional organizations, and continuing education.

TCC VNSG 1432 Medical-Surgical Nursing II

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required Prerequisite(s): VNSG 1429, VNSG 1331, VNSG 1461, and VNSG 1301

Continuation of Medical-Surgical Nursing I with the application of the nursing process to the care of the adult patient experiencing medical-surgical conditions along the health-illness continuum in a variety of health care settings.

TCC VNSG 1462 Clinical-Licensed Practical/Vocational Nurse Training

Concurrent enrollment: This course will be for TCC credit only, but is required for KCA program of study
Grade: 12
Required Prerequisite(s): VNSG 1429, VNSG 1331, VNSG 1461, and VNSG 1301

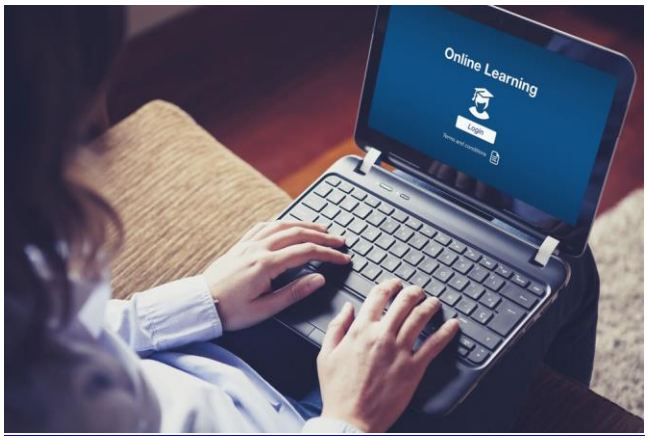
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

iChoose
Keller ISD Virtual Learning

Virtual Core Courses				
Course Name	**Course Number**	**Credit**	**Grade Levels**	**Recommended Prerequisites**
English I TXVSN	Z100X	1	9	None
English II TXVSN	Z103X	1	10	English I
English III TXVSN	Z106X	1	11	English II
AP English III TXVSN	Z108X	1	11	English II
English IV TXVSN	Z109X	1	12	English III
Contemporary Media	Z1365	1	9-12	None
Algebra I TXVSN	Z200X	1	9	None
Algebra II TXVSN	Z204X	1	10-12	Algebra I
Geometry TXVSN	Z221X	1	9-12	Algebra I
Precalculus TXVSN	Z230X	1	11-12	Algebra I, II, Geometry
Statistics TXVSN	Z241X	1	11-12	Algebra I
Biology TXVSN	Z310X	1	9-11	None
Chemistry TXVSN	Z330X	1	10-12	One science and Algebra I
Aquatic Science TXVSN	Z3513	1	10-12	Biology, Chemistry, or concurrent enrollment
Environmental Systems TXVSN	Z353X	1	11-12	Biology and 1 credit physical science
Earth Systems Science TXVSN	Z357X	1	11-12	3 credits each of science and math (can be taken concurrently)
Physics TXVSN	Z340X	1	9-12	Algebra I
World Geography TXVSN	Z420X	1	9	None
World History TXVSN	Z410X	1	10	None
US History TXVSN	Z400X	1	11	None
US Government TXVSN	Z4301X	.5	12	None
Economics TXVSN	Z4302X	.5	12	None
AP Macroeconomics TXVSN	Z4322	.5	12	None
AP US Government TXVSN	Z4311X	.5	12	None
AP Comparative Government & Politics	Z4321	.5	12	None
Personal Financial Literacy & Economics	Z4054	.5	9-12	None
Psychology	Z4402	.5	11-12	None
Sociology TXVSN	Z4401X	.5	11-12	None

Virtual Career and Technology Courses				
Course Name	**Course Number**	**Credit**	**Grade Levels**	**Recommended Prerequisites**
Automotive Basics	Z827X	1	9-12	None
Entrepreneurship	Z8255X	1	9-12	None
Interpersonal Studies	Z8308X	.5	9-12	None
Lifetime Nutrition and Wellness	Z8210X	.5	9-12	None
Principles of Business, Marketing, and Finance	Z814X	1	9-11	None
Professional Communication	Z1465X	.5	9-12	None

Virtual World Language Courses				
Course Name	**Course Number**	**Credit**	**Grade Levels**	**Recommended Prerequisites**
French I	Z6113	1	9-12	None
Latin II	Z6313	1	9-12	Latin I



Miscellaneous Courses

Miscellaneous Elective Courses			
Course Name	**Credits**	**Grade Levels**	**Recommended Prerequisites**
Academic Decathlon	1	9-12	Previous test results, prior achievement in high school and counselor recommendations, and personal interviews with course instructors
Dual Aircraft Airframe Technology	2	11-12	TCC Admission Standards
Dual Aircraft Powerplant Technology	2	12	TCC Admission Standards
Dual Practicum in Transportation Systems I (Professional Pilot)	2	11-12	TCC Admission Standards Age Requirement - 17
Dual Practicum in Transportation Systems II (Professional Pilot)	2	12	TCC Admission Standards Age Requirement - 17
General Employability Skills	1	11-12	Teacher approval
Independent Study in Technology Applications (First Time Taken)	1	11-12	Minimum of 1 credit from the courses in the Information Technology program of study
Independent Study in Technology Applications (Second Time Taken)	1	11-12	Independent Study in Technology Applications (First Time Taken)
Interpersonal Studies	.5	9-12	None
Student Leadership I	1	9-12	Student must have been or plan to be in student council during the term and have teacher approval. Officers and committee chairpersons will be given first opportunity.
Local Credits **These courses do not count towards graduation requirements or grade point average.**			
PSAT/SAT Prep	0.5	10-12	None
Student Leadership II	1	10-12	Student must have been or plan to be in student council during the term and have teacher approval. Officers and committee chairpersons will be given first opportunity.
Office Procedures	0	12	Students receive a “P” or “F”

Special Education Elective Courses			
Basic Career Preparation I-II	2-3	11-12	ARD Decision
Methodology for Academic and Personal Success (MAPS)	1	9-12	ARD Decision
General Employability Skills (GES)	1	9-12	ARD Decision
Activities for Daily Living (ADL) I-IV	0	9-12	ARD Decision
Basic Student to Industry Connection	1	11-12	ARD Decision
Fundamentals of Advanced Health Education	.5	9-12	ARD Decision
Fundamentals of Applied Music I-II	1	9-12	ARD Decision
Fundamentals of Art	.5	9-12	ARD Decision
Fundamentals of Health Education	.5	9-12	ARD Decision
Fundamentals of Independent Study in Technology	1	9-12	ARD Decision
Fundamentals of Career Preparation I-II	3	11-12	ARD Decision
Fundamentals of Touch System Data Entry	.5	9-12	ARD Decision
Fundamentals of Student to Industry Connection	1	11-12	ARD Decision
Professional Communications	.5	9-12	ARD Decision
Adult Transition Lab (ADL) I-II	0	12+	ARD Decision; age of 18-21

Academic Decathlon I-IV

TEDS: N1290309 I **KISD:** 1180
TEDS: N1290313 II **KISD:** 1181
TEDS: N1290317 III **KISD:** 1189
TEDS: N1290318 IV **KISD:** 1190
Credit: 1
Grade: 9-12
Required prerequisite: Previous test results, prior achievement in high school, teacher and counselor recommendations, and personal interviews with course instructors

Academic Decathlon provides an intensive, exciting, demanding, and rewarding educational experience, which culminates with competition in area, state and national competitions. Through discipline and determination, the students learn by a variety of methods. Study skills are perfected and maturity is enhanced. Higher level and critical thinking skills, creative and productive thinking, the use of different learning styles with instructional strategies varying from lecture to independent study, guided research to competitive game formats and independent and guided research are all used in the many aspects in preparation for the competition experienced through the Decathlon program. In researching and writing a speech, students will compose an original paper for oral delivery, which encompasses an evaluative and critical process. Additional time beyond regular school hours is often required.

Dual Aircraft Airframe Technology

Aviation Science, Weight and Balance, Ground Operations, Federal Aviation Agency Regulations
TEDS: 13039400 **KISD:** 82721
Credit: 2
Grade: 11-12
Required prerequisite: TCC Admission Standards

This course is designed to teach the theory of operation of aircraft airframes, power plants, and avionics systems and associated maintenance and repair practices. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft. Students must enroll, purchase the books required, and pay for Aviation Science (AERM 1315), Weight and Balance (AERM 1205), Ground Operations (AERM 1310), Federal Aviation Agency Regulations (AERM 1208) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. Students must have their own transportation.

Dual Aircraft Powerplant Technology

Basic Electricity, Shop Practices
TEDS: 13039500 **KISD:** 82722
Credit: 2
Grade: 12
Required prerequisite: Dual Aircraft Airframe Technology and TCC Admission Standards

This course is designed to apply the theory of operation, repair, and maintenance of aircraft airframe, power plant, and avionics systems. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft as governed by federal aviation regulations. Students must enroll, purchase the books required, and pay for Basic Electricity (AERM 1314) and Shop Practices (AERM 1303) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. Students must have their own transportation.

Dual Practicum in Transportation Systems I (Professional Pilot)

TCC Professional Pilot - Air Navigation, Private Pilot Ground, Private Flight, Introduction to Aviation
TEDS: 13040450 **KISD:** 82763
Credit: 2
Grade: 11-12
Required prerequisite: TCC Admission Standards and 17 years of age.

The Professional Pilot Program features an FAA Part 141-approved flight training curriculum. TCC partners with US Aviation Group (Denton, Texas) to offer our program at Alliance Airport in Fort Worth, Texas. You will get the classroom and in-air experience you need to succeed as you earn:

- FAA Pilot certifications, licenses and additional ratings
- College credit towards an Associate of Applied Science degree

Students must enroll, purchase the books required, and pay for Air Navigation (AIRP 1301), Private Pilot Ground (AIRP 1317), Private Flight (AIRP 1215), Introduction to Aviation (AIRP 1313) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. Students must have their own transportation.

Dual Practicum in Transportation Systems II (Professional Pilot)

TCC Professional Pilot – Instrument Ground School, Aviation Meteorology, Advanced Air Navigation, Instrument Flight

TEDS: 13040460 **KISD:** 82764
Credit: 2
Grade: 12
Required prerequisite: TCC Admission Standards and 17 years of age.

The Professional Pilot Program features an FAA Part 141-approved flight training curriculum. TCC partners with US Aviation Group (Denton, Texas) to offer our program at Alliance Airport in Fort Worth, Texas. You will get the classroom and in-air experience you need to succeed as you earn:

- FAA Pilot certifications, licenses and additional ratings
- College credit towards an Associate of Applied Science degree

Students must enroll, purchase the books required, and pay for Instrument Ground School (AIRP 1451), Aviation Meteorology (AIRP 1307), Advanced Air Navigation (AIRP 1341), Instrument Flight (AIRP 2250) at TCC to receive credit for this course. These classes are all taught at TCC-Alliance. Students must have their own transportation.

General Employability Skills (GES)

TEDS: N1270153 **KISD:** 83030
Credit: 1
Grade: 11-12
Required prerequisite: Teacher approval

This course provides students with knowledge of the prerequisite skills for general employment as well as the means of obtaining those skills. Employability skills include fundamentals of maintenance of personal appearance and grooming. The course also includes the knowledge, skills, and attitudes that allow employees to get along with their co-workers, make important work-related decisions, and become strong members of the work team. Discovering job possibilities that link skills, abilities, interests, values, needs, and work environment preferences is a part of the process of obtaining employability skills and abilities and is experiential learning that takes place over time. This course is designed to guide students in obtaining the knowledge and the needed employability skills that are transferable among a variety of jobs and careers and are considered essential in any employment situation. Students will learn and apply basic knowledge of what is expected in the workplace. Class is taught at the Keller Center for Advanced Learning.

Independent Study in Technology Applications

TEDS: 03580900 I **KISD:** 8603
TEDS: 03581000 II **KISD:** 8604
Credit: 1
Grade: 11-12

In Independent Study in Technology Applications, through the study of technology applications foundations, including technology-related terms, concepts, and data input strategies, students will communicate information in different formats and to diverse audiences using a variety of technologies. Students will learn to make informed decisions; develop and produce original work that exemplifies the standards identified by the selected profession or discipline; and publish the product in electronic media and print. Students will practice the efficient acquisition of information by identifying task requirements, using search strategies, and using technology to access, analyze, and evaluate the acquired information. By using technology as a tool that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving and decision making; digital citizenship, and technology operations and concepts.

Interpersonal Studies

TEDS: 13024400 **KISD:** Z8023
Credit: .5
Grade: 9-12

Interpersonal Studies examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services. **This course is only available as an online course through the Keller ISD Virtual Learning program.**

Student Leadership I-II

TEDS: N1290010 I **KISD:** 1183
TEDS: 85000300 II **KISD:** 1184 (Local)
Credit: 1
Grade: 9-12
Recommended prerequisite: Student must have been or plan to be in student council during the term and obtain teacher approval; officers and committee chairpersons will be given first opportunity

This course is designed for students to explore what it means to be a leader and guide efforts at exercising leadership skills. The course is project and activity based and includes the following topics: leadership skills, Parliamentary Procedure, group dynamics and team building, decision-making skills, personal and group motivation and goal setting, problem-solving techniques, communication skills, leadership roles, human relation skills and understanding the need for civic responsibility. A student contract outlining responsibilities and expectations will need to be signed by parent and student. A student will earn one state credit. If course is repeated, a local credit may be earned.

PSAT/SAT Prep

TEDS: 85000001 **KISD:** 1191
Credit: .5 (Local)
Grade: 10-12
Recommended prerequisite: None

The PSAT Prep Seminar is an intensive and demanding educational experience that focuses on preparing juniors to compete in the National Merit Scholarship Program. Students will be involved daily in the rigorous instructional strategies designed to improve both verbal and quantitative scores. Students work with materials used on previously administered PSAT and SAT tests as they become available, but are also held responsible for in depth study into all tested aspects of the program.

Office Procedures

TEDS: 85000100 **KISD:** 9803
Credit: 1 (Local) **KISD KCAL:** K9803
Grade: 12
Recommended prerequisite: High school specific

The office procedures class is available to classified seniors on track to graduate. Qualified students will be placed in settings such as library, office, counseling, or teacher aide and will provide support. For this local course credit, students will receive a "P" or "F" and it will not be calculated into the grade point average.

Basic Career Preparation I-II

TEDS: 12701300 I **KISD:** M8028
TEDS: 12701400 II **KISD:** M8029
Credit: 2-3
Grade: 11-12
Recommended prerequisite: ARD decision

This instructional arrangement/setting is for providing special education or related services to students who are placed on a job with direct involvement by special education personnel in the implementation of the student's Individual Education Plan (IEP). This instructional arrangement/setting shall be used only after the school district's career and technology classes have been considered and determined inappropriate for the student. This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and on the job internships in any approved career-tech specific training area. Internship placement must be teacher approved and fall within the guidelines and requirements in order for students to qualify for enrollment in this program.

Methodology for Academic and Personal Success (MAPS)

TEDS: N1130021 I **KISD:** M8301
TEDS: 9MAPS110 II **KISD:** M8302
TEDS: 9MAPS113 III **KISD:** M8305
TEDS: 9MAPS114 IV **KISD:** M8306
Credit: 1
Grade: 9-12
Recommended prerequisite: ARD decision

The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals. STUDENTS CAN ONLY OBTAIN 1 CREDIT FOR THIS COURSE. MAPS II, MAPS III and MAPS IV ARE FOR ZERO CREDIT.

General Employability Skills (GES)

TEDS: N1270153 **KISD:** M8303
Credit: 1
Grade: 9 -12
Required prerequisite: ARD decision

This course provides students with knowledge of the prerequisite skills for general employment as well as the means of obtaining those skills. Employability skills include fundamentals of maintenance of personal appearance and grooming. The course also includes the knowledge, skills, and attitudes that allow employees to get along with their co-workers, make important work-related decisions, and become strong members of the work team. Discovering job possibilities that link skills, abilities, interests, values, needs, and work environment preferences is a part of the process of obtaining employability skills and abilities and is experiential learning that takes place over time. This course is designed to guide students in obtaining the knowledge and the needed employability skills that are transferable among a variety of jobs and careers and are considered essential in any employment situation. Students will learn and apply basic knowledge of what is expected in the workplace.

Activities for Daily Living (ADL) I-IV

TEDS: 85000XXX I **KISD:** 900
TEDS: 85000XXX II **KISD:** 901
TEDS: 85000XXX III **KISD:** 902
TEDS: 85000XXX IV **KISD:** 903
Credit: 0
Grade: 9-12
Recommended prerequisite: ARD Decision

This course is developed to integrate the domestic, recreation, leisure, school, and community domains. Students investigate though activity-based sessions, a variety of activities associated with the daily living experience. Organizing a daily routine and schedule will serve the students in their process of taking charge of independent living. Students will study areas of cooking, safety, leisure, chores, duties, responsibilities, budget, time management, first-aid, and communication. Personal safety and responsibility will be examined in response for taking care of one's self, others, and/or pets. Health care, transportation, telephone skills, and appropriate recreation activities are addressed in the context of developing a full capacity living experience. Students will develop strategies to respond to potential emergencies that may appear in the process of daily living.

Activities for Daily Living I: Focus will be on the study of daily living experiences with emphasis on daily routines and schedules.
Activities for Daily Living II: Focus will be on the study of daily living experiences with emphasis on personal safety and responsibility.
Activities for Daily Living III: Focus will be on the study of daily living experiences with emphasis on independent living skills.
Activities for Daily Living IV: Focus will be on the study of daily living experiences with emphasis on life choices, needs, and employment issues.

Basic Student to Industry Connection

TEDS: N1270154 **KISD:** M8030
Credit: 1
Grade: 11-12
Recommended prerequisite: ARD Decision

This course provides students who have an IEP and access modified curriculum with the opportunity to develop professional relationships with experienced individuals within the student's chosen program of student. The primary focus of this course is to prepare students to be 21st century career ready through interaction with a seasoned workplace mentor. The course may include a work-based learning component. Instruction will support students with marketable skills attainment.

Fundamentals of Advanced Health Education

TEDS: 03810200 **KISD:** T5003
Credit: .5
Grade: 9-12
Recommended prerequisite: ARD Decision

This course continues to expand upon health awareness. Applications related to current events, access to health and social services within the community, wellness strategies, mental health awareness, and substance abuse would be identified and examined. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of Applied Music I-II

TEDS: 03152500 I **KISD:** T2750
TEDS: 03152600 II **KISD:** T2751
Credit: 1
Grade: 9-12
Recommended prerequisite: ARD Decision

The Applied Music course will introduce to the student the basic skills and concepts which will enable the student to explore life around them in new ways. Through the applied arts, the students will increase their problem-solving skills, sharpen their communication skills and participate in cooperative learning activities.

Fundamentals of Art

TEDS: 03500100 **KISD:** T7403
Credit: .5
Grade: 9-12
Recommended prerequisite: ARD Decision

This alternate comprehensive study stresses the elements and principles of art and their uses in two and three-dimensional art. Various media and art forms are used to gain understanding of the basics. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of Health Education

TEDS: 03810100 **KISD:** T5001
Credit: .5
Grade: 9-12
Recommended prerequisite: ARD Decision

This course is a study in health awareness. Particular attention is given to growth, reproduction and development, exercise, diet and nutrition, leisure activities, personal development, and strategies to use in addressing personal health and hygiene issues and social skill development. The study of disease and life choices related in prevention of disease will be addressed within the course. Emphasis will be on making healthy lifestyle decisions. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Fundamentals of Independent Study in Technology

TEDS: 03580900 **KISD:** T8603
Credit: 1
Grade: 9-12
Recommended prerequisite: ARD Decision

This course is an introduction to the computer and its uses. The student will develop skills through a continuous program of selective practice based on individual needs. The PAES (Practical Assessment Exploration System) Lab provides a comprehensive assessment to determine interests, aptitudes, learning styles, and possible work behavior barriers. This course is a comprehensive, hands-on curriculum that provides training in basic vocational skills and appropriate work behaviors. PAES operates in a simulated work environment in an on-campus lab setting where strict work procedures are followed. Students learn and explore career and vocational pathways in the following areas: Business/Marketing, Computer/Technology, Construction/Industrial, Processing/Production, and Consumer Service.

Fundamentals of Career Preparation I-II

TEDS: 12701300 I **KISD:** T8028
TEDS: 12701400 II **KISD:** T8029
Credit: 3
Grade: 11-12
Recommended prerequisite: ARD Decision

This instructional arrangement/setting is for providing special education or related services to students who are placed on a job with direct involvement by special education personnel in the implementation of the student's Individual Education Plan (IEP). This instructional arrangement/setting shall be used only after the school district's career and technology classes have been considered and determined inappropriate for the student. This course is a work-based instructional arrangement, which develops essential knowledge and skills through classroom, technical knowledge and on the job internships in any approved career-tech specific training area. Internship placement must be teacher approved and fall within the guidelines and requirements in order for students to qualify for enrollment in this program.

Fundamentals of Touch System Data Entry

TEDS: 13011300 **KISD:** T8301
Credit: .5
Grade: 9-12
Recommended prerequisite: ARD Decision

This course is an introduction to the computer and its uses. In this course, students will develop psychomotor skills in operating the keyboard as well as achieving acceptable speed and accuracy levels. This course will provide opportunities for students to apply keyboarding skills in real-life situations. The student will develop skills through a continuous program of selective practice based on individual needs.

Fundamentals of Student to Industry Connection

TEDS: N1270154 **KISD:** T8030
Credit: 1
Grade: 11 -12
Recommended prerequisite: ARD decision

This course provides students who have an IEP and are accessing alternate curriculum with the opportunity to develop professional relationships with experienced individuals within the student's chosen program of student. The primary focus of this course is to prepare students to be 21st century career ready through interaction with a seasoned workplace mentor. The course may include a work-based learning component. Instruction will support students with marketable skills attainment.

Professional Communications

TEDS: 13009900 **KISD:** T1465
Credit: .5
Grade: 9-12
Recommended prerequisite: ARD decision

Understanding and developing skills in oral communication are fundamental to all other learning and to all levels of human interaction. Students must understand concepts and processes involved in sending and receiving oral messages, evaluating and using nonverbal communication and listening for a variety of purposes. In Applied Speech Communication, students develop communication skills in interpersonal group and public interaction to establish and maintain productive relationships and function effectively in social, academic, and citizenship roles.

ADULT TRANSITION

Adult Transition Lab (ADL) I-II

TEDS: 85000XXX I **KISD:** 990
TEDS: 85000XXX II **KISD:** 991
Credit: 0
Grade: 12+
Recommended prerequisite: ARD Decision; age of 18-21

Completed requirements under minimum graduation plan; documented educational need in the form of an Individualized Education Program (IEP) in the area of postsecondary goals and/or functional based goals as documented in their individual transition plan.

The goal of the Keller ISD Secondary Transition Services program is to provide a seamless transition to life after high school by offering multiple opportunities to learn and use the skills necessary to function as independently as possible. Based on individual interests, strengths, and choices, each student will participate in community, recreational, employment, and independent living activities. These activities will continue into their adult life independent of educational services. Individualized supports for a successful transition to adult life are provided in the area of employment, recreation/activities, and independent living. Each young adult's daily schedule is based upon their postsecondary goals and corresponding performance expectations, and Individualized Education Program goals and objectives developed with collaboration of the student, his/her parents, teachers, and identified adult agencies.
In addition to completing the minimum credit requirements, the student will graduate and be awarded a regular high school diploma when they have successfully completed their IEP consistent with one of the following conditions:

- The student has maintained full time employment based on the student's abilities and local employment opportunities, in addition to sufficient self-help skills to enable the student to maintain the employment without direct and ongoing educational support of the local school district.
- The student has demonstrated mastery of specific employability skills and self-help skills, which do not require direct ongoing educational support of the local school district.
- The student has gained access to services, which are not within the legal responsibility of public education, or employment or educational options for which the student has been prepared by the academic program.

Appendix

Please reference TEA website https://tea.texas.gov/about-tea/laws-and-rules/texas-administrative-code/19-tac-chapter-74 for graduation requirements for students who entered 9th grade in 2014-2015 and beyond.

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