

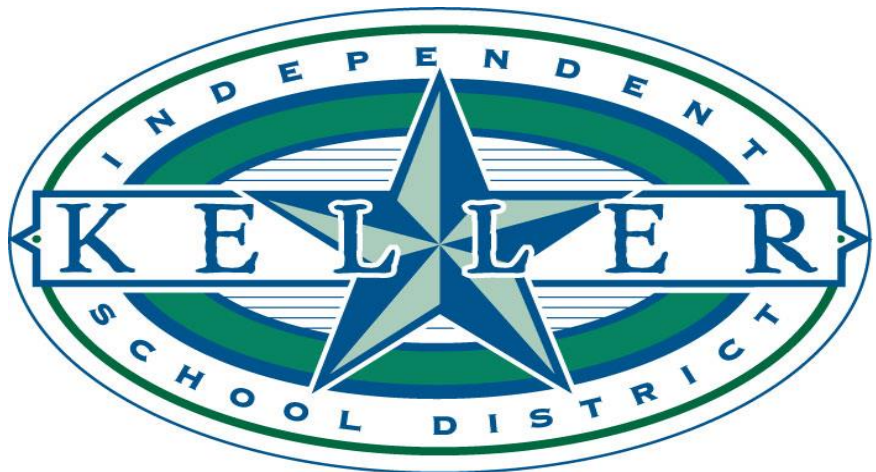
CENTRAL



KELLER ISD

HIGH SCHOOL COURSE GUIDE

2014-2015



Intentionally  Exceptional

Course Guide for Minimum, Recommended,
Distinguished, Foundation, and Endorsement
Graduation Plans

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.

Assurance of Nondiscrimination

Keller ISD does not discriminate on the basis of race, religion, color, national origin, gender, sex, or disability in providing education services, activities, and programs, including vocational programs, in accordance with Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. 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:

Penny Benz
Assistant Superintendent for Human Resources
350 Keller Parkway, Keller, TX 76248
(817) 744-1000

Section 504 Coordinator, for concerns regarding discrimination on the basis of disability:

Charley Carroll
Chief Academic Officer
350 Keller Parkway, Keller, TX 76248
(817) 744-1000

All other concerns regarding discrimination:

Dr. Randy Reid
Superintendent
350 Keller Parkway, Keller, TX 76248
(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 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. Dept. 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

David Hinson, Principal

*Mascot: Chargers
Colors: Crimson & Gold*

FOSSIL RIDGE HIGH SCHOOL

4101 Thompson Road

Phone: 817-744-1700

Keller, TX 76244

Fax: 817-337-3407

Dave Hadley, Principal

*Mascot: Panther
Colors: Black & Gold*

KELLER HIGH SCHOOL

601 North Pate-Orr Road

Phone: 817-744-1400

Keller, TX 76248

Fax: 817-337-3362

Jeff Bradley, Principal

*Mascot: Indian
Colors: Blue & Gold*

TIMBER CREEK HIGH SCHOOL

12350 Timber Land Blvd.

Phone: 817-744-2300

Fort Worth, TX 76244

Fax: 817-744-2338

Todd Tunnell, Principal

*Mascot: Falcon
Colors: Purple & Gold*

NEW DIRECTIONS HIGH SCHOOL ALTERNATIVE EDUCATION HIGH SCHOOL

250 North College Street

Phone: 817-744-4465

Keller, TX 76248

Fax: 817-744-4464

Kenneth Anderson, Principal

Colors: Purple & Gold

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AP/Pre-AP Program

The Keller Independent School District secondary schools offer students the opportunity to participate in College Board AP and Pre-AP courses so that they may better prepare themselves for college.

Because these classes are similar to college level classes, students are challenged to be more disciplined, structured and to perform at a higher academic level.

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.

What is Pre-AP?

The Pre-AP Program is the complementing preparatory program that is designed to provide students with the necessary skills to be successful in AP courses. In KISD these skills together with the Texas Essential Knowledge and Skills (TEKS) comprise the syllabi for Pre-AP courses.

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

Career and Technical Education (CTE)

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.

Classification Credit

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 18.5 credits |
| Senior | 19+ credits |

Course Credit Options

Credit by Exam for Acceleration

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

Credit by Exam for Credit Recovery

Prior approval to take a credit by exam must be obtained through the application available in the counseling center. 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. Only successful completion will be added to academic history. A fee is charged for the testing. The calculation of class rank shall exclude credit by exams. See your counselor for further information on requirements and procedures.

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 you counselor for further information and special requirements for students wishing to graduate using correspondence course work.

Dual Credit

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. Students must receive permission from the professor prior to missing class. The calculation of class rank shall exclude grades earned through college credit courses taken anywhere other than the district high school. There is no limit to the number of credits a student may earn in this manner. 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 in each required course
- Meet the entrance requirements of the college/university including the required TSI exam.
- Comply with the Student Code of Conduct of the college/university

Other 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 administrator approval. The calculation of class rank shall exclude grades earned through college credit courses taken anywhere other than the district high school.

Texas Virtual School Network

The Texas Virtual School Network (TxVSN) provides high school courses to supplement regular instructional programs. The high school counselor will register and approve all student course enrollments. Currently, students are limited to two (2) courses per TxVSN session. Fees may vary by the course and the providing district. The calendar for TxVSN classes is set by the providing district.

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 course is located at <http://www.txvsn.org>.

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 Services

Students identified as Gifted and Talented are served through the Pre-Advanced Placement, Advanced Placement, 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 of the noted above classes. Please see the course guide for the specific class titles.

Grade Reporting

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 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:

[http://pol.tasb.org/Policy/Download/1103?filename=EIF\(LOCAL\).pdf](http://pol.tasb.org/Policy/Download/1103?filename=EIF(LOCAL).pdf)

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 I, Biology, and US History.

Only those senior students who have completed all requirements for graduation may participate in the graduation exercise held either at midterm or at the conclusion of the regular school year. 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 IEP's have the opportunity to participate in a graduation ceremony upon completion of four years of high school.

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 Recommended, Endorsement, or Distinguished Graduation Plans. 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 at least the Recommended, Endorsement, or Distinguished Graduation Plans. 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

- Students GPA's 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.
- Students ranking in the top 15% of the graduating class will be designated as "Honor graduates" and shall be so recognized at graduation. Of these honor graduates, the top ten ranking students will be recognized as graduating with "highest honors".
- 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.

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.

Physical Education Credits

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.:

- Partner P.E. (up to 1 credit)
- Athletics (up to 4 credits)
- Cheerleading (maximum of 1 credit)
- Band during fall semester (maximum of 1 credit)
- Drill Team (maximum of 1 credit)
- ROTC I (maximum of 1 credit)

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 foreign 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

Schedule Change Process

Master schedules are developed in the spring prior to the upcoming year. Selections during registration indicate how many teachers and sections will be need 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 during registration.
- Students who do not complete online 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 day of school for high school will officially end the opportunity for schedule changes.
- 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 online registration by the add/drop date will not be eligible for a schedule change.

SAVE Committee Process

- Schedule changes that are requested after the add/drop date and that affect only core classes will be addressed through the SAVE Committee process.
- Schedule change requests for elective classes will not be considered after the add/drop date.
- After attending tutorials and conferencing with the student’s teacher, the student and/or parents may make application to request a SAVE Committee meeting.
- The SAVE Committee is composed of the student, the parent/guardian, the teacher whose class the student is requesting to exit, the department chair (if necessary), the assistant principal, and the counselor.
- The SAVE Committee process becomes an option on the first day of the 3rd week of the class. Students have seven weeks from the first day of the class to request a SAVE meeting.
- Every effort will be made to “save” the student’s schedule.

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. A fee is charged.

Tests

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

*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.

STAAR EOC Course Guide Information

| | |
|-------------------------------|---|
| State Assessment Requirements | <ul style="list-style-type: none"> • 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. • Class of 2014, seniors, will graduate under the Texas Assessment of Academic Skills (TAKS) plan requirements. Students graduating under TAKS requirements are required to meet the passing standard on the exit level tests. |
|-------------------------------|---|

| | | | | |
|---|--|-----------|---------|------------|
| What courses have STAAR EOCs? | English I Reading and Writing English II Reading and Writing | Algebra I | Biology | US History |
| What are the STAAR EOC Performance Standards? | <u>Passing Performance Standards:</u> Performance Level III: Advanced Academic Performance Performance Level II: Satisfactory Academic Performance ----- <u>Non-passing Performance Standards:</u> Performance Level I: Unsatisfactory Academic Performance | | | |
| When will students take initial attempt of EOC exams? | STAAR EOC English I and II administered in early April. Each English exam consist of a reading and writing component combined on to one exam STAAR EOC Math, Science, and Social Studies 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, summer, and spring. | | | |

College Entrance Examinations

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 II 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. It is sometimes used by industries and universities for scholarship purposes. 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: The ACT and/or SAT exams are a system of 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.act.org.

*Students should contact their college of choice regarding required exams.

Transfer Students

Out of state transfer students must complete all state graduation requirements to be eligible for a Texas (Keller I.S.D.) 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.


Keller ISD Graduation Requirements
Students who entered High School Prior to 2014-2015

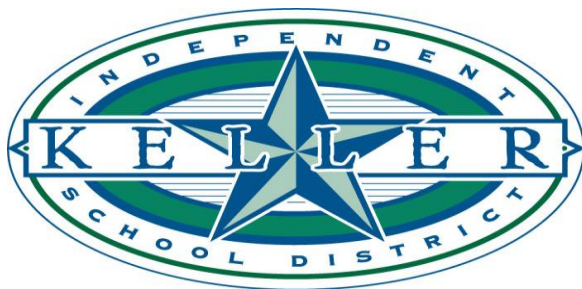
| CR | COURSES | CR | COURSES | CR | COURSES |
|-----|---|-----|---|-----|---|
| 1 | English I | 1 | English I | 1 | English I |
| 1 | English II | 1 | English II | 1 | English II |
| 1 | English III | 1 | English III | 1 | English III |
| 1 | English IV (see Appendix A) | 1 | English IV | 1 | English IV |
| 1 | Algebra I | 1 | Algebra I | 1 | Algebra I |
| 1 | Geometry | 1 | Geometry | 1 | Geometry |
| 1 | Algebra II (see Appendix A) | 1 | Algebra II | 1 | Algebra II |
| | | 1 | 4 th Math Credit (see Appendix A) ** Math Models with Applications must be completed prior to enrolling in Algebra II and may NOT be taken concurrently with Algebra II. | 1 | 4 th Math Credit (see Appendix A) |
| 1 | Biology | 1 | Biology | 1 | Biology |
| 1 | IPC | 1 | Chemistry | 1 | Chemistry |
| | **May substitute Chemistry or Physics for IPC but must use other as academic elective credit. | 1 | Physics | 1 | Physics |
| | ** May take Chemistry and Principles of Technology | 1 | 4 th Science Credit (see Appendix A) **IPC must be completed prior to enrolling in Chemistry or Physics and may NOT be taken concurrently with Chemistry or Physics. | 1 | 4 th Science Credit (see Appendix A) |
| 1 | World Geography OR World History | 1 | World Geography | 1 | World Geography |
| 1 | History | 1 | World History | 1 | World History |
| 0.5 | U.S. History | 1 | U.S. History | 1 | U.S. History |
| 0.5 | Government | 0.5 | Government | 0.5 | Government |
| | Economics | 0.5 | Economics | 0.5 | Economics |
| 1 | Academic Elective: World Geography or World History OR Any approved Science Course | | No requirement | | No requirement |
| | No requirement | 2 | 2 Required in Same Language French, German, Latin, Spanish, ASL Level 1 and 2 | 3 | 3 Required in Same Language French, German, Latin, Spanish, ASL Level 1,2,3 |
| 1 | Fine Art | 1 | Fine Art | 1 | Fine Art |
| 1 | P.E. OR Equivalent | 1 | P.E. OR Equivalent | 1 | P.E. OR Equivalent |
| 0.5 | Communication Applications OR Professional Communications | 0.5 | Communication Applications OR Professional Communications | 0.5 | Communication Applications OR Professional Communications |
| 6.5 | Elective Courses | 5.5 | Elective Courses | 4.5 | Elective Courses |
| | Minimum Total = 22 | | Recommended Total = 26 | | Distinguished Total = 26 |

Distinguished Graduation Plan – Students are honored by completing a curriculum that provides a high level of skills and readiness for the labor market or college. The Distinguished Graduate must complete three years of the same foreign language **AND** must attain four advanced measures in the following areas:

- Score of three or above on an AP exam. AP exams taken during the senior year will be verified after graduation.
- Original research/project of professional quality as judged by a panel of experts.
- Score on the PSAT that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corporation; as part of the National Hispanic Scholar Program of the College Board; or as part of the National Achievement Scholarship Program for Outstanding Negro Students of the National Merit Scholarship Corporation.
- Grade A or B in a college course (including dual credit).

Keller ISD Graduation Requirements
Students who enter High School in 2014-2015

| Endorsement Program | All students entering 9 th grade in 2014-2015 and beyond will choose an endorsement for graduation. |
|---|--|
| CR | COURSES |
| 1 1 1 1 | English I English II English III Advanced English |
|  <p>To earn an endorsement a student must successfully complete: 4 Pathway Endorsement Credits except where noted</p> | |
| 1 1 1 1 | Algebra I Geometry Algebra II Endorsement Math |
| STEM: | |
| Science – (<i>Biology, Chemistry, Physics</i> + 2 <i>Advanced Sciences</i>) Technology Engineering Advanced Math – (<i>Algebra I, Geometry, Algebra II</i> + 2 <i>Advanced Maths</i>) | |
| BUSINESS & INDUSTRY: | |
| 1 1 1 1 | Biology Advanced Science Advanced Science (<i>See Appendix B</i>) Endorsement Science |
| 1 1 1 0.5 0.5 | World Geography World History U.S. History Government Economics |
| PUBLIC SERVICES: | |
| 1 1 | 2 Required in Same Language I-French, German, Latin, Spanish, ASL, Computer Science II-French, German, Latin, Spanish, ASL, Computer Science |
| Accounting Agricultural Science Architecture and Construction Business Communications Finance Information Technology Marketing Transportation and Logistics | |
| ARTS & HUMANITIES: | |
| Education and Training Health Sciences Hospitality & Tourism Human Services Law Enforcement and Security | |
| Cultural Studies – (<i>World Geography, World History, US History, Government, Economics</i> + 1 <i>Advanced Social Studies</i>) Fine Arts History – (<i>World Geography, World History, US History, Government, Economics</i> + 1 <i>Advanced Social Studies</i>) World Languages | |
| MULTIDISCIPLINARY: | |
| 1 1 0.5 | Fine Art P.E. OR Equivalent Professional Communications or Entrepreneurship |
| 5.5 | Elective Courses |
| Distinguished Level of Achievement | |
| To earn a distinguished level of achievement a student must successfully: <ul style="list-style-type: none"> • Complete the curriculum requirements for at least one endorsement. • Algebra II | |
| 26 | STATE CREDITS |



PORTRAIT OF A GRADUATE

A Keller Independent School District graduate will be expected to:

Demonstrate success in college or further study and for employment in a global society

- Initiate independent learning
- Understand world issues and current events
- Understand and use effective learning techniques to acquire and apply knowledge

Demonstrate social awareness

- Develop and maintain positive relationships
- Know and appreciate cultural and linguistic diversity
- Exhibit an appreciation of the arts and humanities
- Commitment to service

Exhibit strong personal qualities

- Identify personal goals
- Demonstrate value of self
- Understand and engage in activities that promote intellectual, physical, and emotional balance
- Demonstrate integrity and take personal responsibility

Communicate effectively

- Express ideas and information confidently and effectively in a variety of modes of communication
- Work in collaboration with others

Use technology as a tool

- Select appropriate tools and procedures
- Use technology to access, analyze, organize, and process information

Exhibit creative thinking, critical thinking, and problem solving

- Explore ideas and issues for understanding
- Draw well-reasoned conclusions and solutions
- Analyze and evaluate thinking with a view to improve it

English Language Arts

| Course Name | Credits | Grade Levels | Prerequisite |
|---|---------|--------------|--|
| English I | 1 | 9 | None |
| English I Pre-AP | 1 | 9 | None |
| English II | 1 | 10 | English I |
| English II Pre-AP | 1 | 10 | English I |
| English III | 1 | 11 | English II |
| English III AP | 1 | 11 | English II |
| Dual English III – TCC <i>Composition I/II (1301,1302)</i> | 1 | 11 | TCC Admissions Standards |
| English IV | 1 | 12 | English III |
| English IV AP | 1 | 12 | English III |
| Dual English IV – TCC <i>Composition I/II (1301,1302) British Literature I/II (2322, 2323)</i> | 1 | 12 | TCC Admissions Standards |
| Humanities | 1 | 11-12 | English II |
| Sheltered English I/II/III/IV | 1 | 9-12 | Placement Test and/or LPAC recommendation |
| Independent English I/II/III | 1 | 9-11 | Language Proficiency Test and/or LPAC recommendation |
| Practical Writing Skills | 1 | 12 | Language Proficiency Test and/or LPAC recommendation |
| Creative/Imaginative Writing | 1 | 10-12 | Grade of 85 or above in English |

Recommended English Sequence

| <i>English Sequence</i> | 9 th Grade | 10 th Grade | 11 th Grade | 12 th Grade |
|-------------------------|----------------------------------|------------------------------------|---|--|
| 4 Credits | English I or English I Pre-AP | English II or English II Pre-AP | English III or English III AP or English III Dual | English IV or English IV AP or English IV Dual |

ENGLISH I

| | | |
|--------------------|-------------------------------------|------------|
| GRADE: 9 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03220100 | | KISD: 1003 |
| 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 / PRE - AP

| | | |
|--------------------|-------------------------------------|-------------------|
| GRADE: 9 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03220100 | | KISD: 1023 |
| PREREQUISITE: None | | WEIGHTED: 10 pts. |

on skills required for the Advanced Placement Exam.

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

ENGLISH II

| | | |
|-------------------------|-------------------------------------|------------|
| GRADE: 10 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03220200 | | KISD: 1033 |
| PREREQUISITE: English I | | |

student will complete a research project.

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

ENGLISH II / PRE - AP

| | | |
|-------------------------|-------------------------------------|-------------------|
| GRADE: 10 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03220200 | | KISD: 1053 |
| PREREQUISITE: English I | | WEIGHTED: 10 pts. |

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 II Pre-AP 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

ENGLISH III

| | | |
|--------------------------|-------------------------------------|------------|
| GRADE: 11 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03220300 | | KISD: 1063 |
| PREREQUISITE: English II | | |

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

ENGLISH III - AP

| | | |
|--------------------------|-------------------------------------|-------------------|
| GRADE: 11 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: A3220100 | | KISD: 1083 |
| PREREQUISITE: English II | | WEIGHTED: 10 pts. |

Composition. Students enrolling in this class are expected to take the Advanced Placement Exam in May. 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.**

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

DUALENGLISH III
TCC Comp 1301/1302

| | | |
|--------------------------|-------------------------------------|------------|
| GRADE: 11 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03220300 | | KISD: 1065 |
| PREREQUISITE: English II | | |

Also, students must register and pay for the course through Tarrant County College, Northwest Campus.

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.

ENGLISH IV

| | | |
|---------------------------|-------------------------------------|------------|
| GRADE: 12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03220400 | | KISD: 1093 |
| 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.

ENGLISH IV - AP

| | | |
|--------------------------|-------------------------------------|-------------------|
| GRADE: 12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: A3220200 | | KISD: 1113 |
| PREREQUISITE: English II | | WEIGHTED: 10 pts. |

in English Literature and Composition. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

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. Students prepare to complete the Advanced Placement Exam

DUAL ENGLISH IV - TCC

| | | |
|---------------------------------------|-------------------------------------|------------|
| Comp. I/II (1301, 1302) | | |
| Brit Lit. I/II (2322, 2323) | | |
| GRADE: 12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03220400 | | KISD: 1103 |
| PREREQUISITE: TCC Admission Standards | | |

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, Northwest Campus.

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

HUMANITIES

| | | |
|--------------------------|--|------------|
| GRADE: 12 | | CREDIT: 1 |
| PEIMS: 11055000 | | KISD: 1215 |
| PREREQUISITE: English II | | |

Humanities is an interdisciplinary course in which students recognize writing as an art form. Students read widely to understand how various authors craft compositions for various aesthetic purposes. This course includes the study of major historical and cultural movements and their relationship to literature and the other fine arts. Humanities is a rigorous course of study in which high school students respond to aesthetic elements in texts and other art forms through outlets such as discussions, journals, oral interpretations, and dramatizations. Students read widely to understand the commonalities that literature shares with the fine arts. In addition, students use written composition to show an in-depth understanding of creative achievements in the arts and literature and how these various art forms are a reflection of history. All students are expected to participate in classroom discussions and presentations that lead to an understanding, appreciation, and enjoyment of critical, creative achievements throughout history. Understanding is demonstrated through a variety of media.

**SHELTERED
ENGLISH I - IV**

| | | |
|---|-----------|------------|
| GRADE: 9-12 | CREDIT: 1 | |
| PEIMS: 03220100 | I | KISD: 1125 |
| PEIMS: 03220200 | II | KISD: 1126 |
| PEIMS: 03220300 | III | KISD: 1127 |
| PEIMS: 03220400 | IV | KISD: 1128 |
| PREREQUISITE: Placement test and/or LPAC recommendation | | |

Enrollment is limited to non-native speakers of English in 9-12th 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.

**INDEPENDENT
ENGLISH I - III**

| | | |
|---|-----------|------------|
| GRADE: 9-11 | CREDIT: 1 | |
| PEIMS: 03221800 | I | KISD: 1133 |
| PEIMS: 03221810 | II | KISD: 1134 |
| PEIMS: 03221820 | III | KISD: 1135 |
| PREREQUISITE: Placement test and/or LPAC recommendation | | |

Enrollment is limited to LEP indicated students in 9-11th grades 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.

**PRACTICAL
WRITING SKILLS**

| | | |
|---|-----------|--|
| GRADE: 12 | CREDIT: 1 | |
| PEIMS: 03221300 | KISD: 861 | |
| 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.

**CREATIVE /
IMAGINATIVE
WRITING**

| | | |
|-----------------|------------|--|
| GRADE: 10-12 | CREDIT: 1 | |
| PEIMS: 03221200 | KISD: 1163 | |
| PREREQUISITE: | | |

Students will produce various pieces of creative writing and will publish their writing in a school or class literary magazine.

Mathematics

| Course Name | Credits | Grade Levels | Prerequisites |
|---------------------------------|---------|--------------|-----------------------------------|
| Algebra I | 1 | 9 | None |
| Algebra 1 Pre-AP | 1 | 9 | None |
| Geometry | 1 | 9-12 | Algebra I |
| Geometry Pre-AP | 1 | 9-12 | Algebra I |
| Algebra II | 1 | 10-12 | Algebra I |
| Algebra II Pre-AP | 1 | 10-12 | Algebra I |
| Pre-Calculus | 1 | 11-12 | Geometry and Algebra II |
| Pre-Calculus Pre-AP | 1 | 11-12 | Geometry and Algebra II |
| Advanced Quantitative Reasoning | 1 | 11-12 | Algebra II |
| Calculus | 1 | 11-12 | Pre-Calculus |
| AP Calculus AB | 1 | 12 | Pre-Calculus |
| AP Calculus BC | 1 | 12 | Pre-Calculus |
| AP Statistics | 1 | 11-12 | Algebra II and Geometry |
| AP Computer Science | 1 | 11-12 | Computer Science I and Algebra II |
| Statistics and Risk Management | 1 | 11-12 | Three Years of Mathematics |
| Math Models with Applications | 1 | 10-11 | Algebra I |

Recommended Math Sequences

| <i>Math Sequence</i> | 9 th Grade | 10 th Grade | 11 th Grade | 12 th Grade |
|----------------------|----------------------------------|--------------------------------|------------------------------------|------------------------|
| 4 Credits | Algebra I or Algebra I Pre-AP | Geometry or Geometry Pre-AP | Algebra II or Algebra II Pre-AP | Endorsement Math |

For Students who take Algebra I in 8th grade

| 8 th Grade | 9 th Grade | 10 th Grade | 11 th Grade | 12 th Grade |
|-----------------------|-----------------------|------------------------------------|------------------------|-----------------------------------|
| Pre-AP Algebra I | Pre-AP Geometry | Algebra II or Algebra II Pre-AP | Endorsement Math | Advanced Math (See Appendix B) |

ALGEBRA I

| | | |
|--------------------|-------------------------------------|------------|
| GRADE: 9 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03100500 | | KISD: 2003 |
| PREREQUISITE: None | | |

Algebra I 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 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.

ALGEBRA I PRE - AP

| | | |
|--------------------|-------------------------------------|-------------------|
| GRADE: 9 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03100500 | | KISD: 2013 |
| PREREQUISITE: None | | WEIGHTED: 10 pts. |

There is a strong expectation that all of the students in a Pre-AP math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Algebra Pre-AP is designed to prepare students who will be accelerating their math coursework by taking concurrently Algebra II Pre-AP and Geometry Pre-AP in grade 10, or Geometry Pre-AP and Pre-Calculus Pre-AP in grade 11 in order to take Advanced Placement Calculus or Advanced Placement Statistics in their 11th or 12th grade year of high school. Algebra I Pre-AP 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. Algebra I 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.

GEOMETRY

| | | |
|-------------------------|-------------------------------------|------------|
| GRADE: 9-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03100700 | | KISD: 2213 |
| PREREQUISITE: Algebra I | | |

High school students develop facility with a broad range of ways of representing geometric ideas – including coordinates, networks, transformations – that allow multiple approaches to geometric problems and that connect geometric 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.

GEOMETRY / PRE - AP

| | | |
|-------------------------|-------------------------------------|-------------------|
| GRADE: 9-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03100700 | | KISD: 2223 |
| PREREQUISITE: Algebra I | | WEIGHTED: 10 pts. |

There is a strong expectation that all of the students in a Pre-AP math program are preparing for Advanced Placement Calculus and/or Advanced Placement Statistics. Geometry Pre-AP is designed to prepare students who will be accelerating their math coursework by taking concurrently Algebra II Pre-AP and Geometry Pre-AP in grade 10, or Geometry Pre-AP and Pre-Calculus Pre-AP in grade 11 in order to take Advanced Placement Calculus or Advanced Placement Statistics in their 11th or 12th grade year of high school. Geometry Pre-AP includes the basic understanding of the Geometry curriculum with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work.

ALGEBRA II

| | | |
|-------------------------|-------------------------------------|------------|
| GRADE: 10-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03100600 | | KISD: 2043 |
| PREREQUISITE: Algebra I | | |

In Algebra II, students build on Algebra I and Geometry experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Students use technological tools to represent and study the behavior of polynomial, exponential, rational, and periodic functions, among others. Students learn to combine functions, express them in equivalent forms, compose functions, and find inverses where possible. Students will come to understand the concept of parent functions

and learn to recognize the characteristics of various parent and familiar functions. Algebra II provides students with insights into mathematical abstraction and structure through the content strands of Foundations for Functions, Algebra and Geometry, Quadratic and Square Root Functions, Rational Functions, and Exponential and Logarithmic Functions. Connections will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.

| ALGEBRA II / PRE - AP | | |
|-------------------------|-------------------------------------|-------------------|
| GRADE: 10-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03100600 | | KISD: 2033 |
| PREREQUISITE: Algebra I | | WEIGHTED: 10 pts. |

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

| PRE - CALCULUS | | |
|--------------------------------------|-------------------------------------|------------|
| GRADE: 11-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03101100 | | KISD: 2303 |
| PREREQUISITE: Geometry and Algebra I | | |

Pre-Calculus students continue to build on the K-8, Algebra I, Algebra II, and Geometry foundations as they expand their understanding through other mathematical experiences. Students use symbolic reasoning and analytical methods to represent mathematical situations, to express generalizations, and to study mathematical concepts and the relationships among them. Students use functions, equations, and limits as useful tools for expressing generalizations and as means for analyzing and understanding a broad variety of mathematical relationships. Students also use functions as well as symbolic reasoning to represent and connect ideas in geometry, probability, statistics, trigonometry, and calculus and to model physical situations. Students use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology (including, but not limited to, calculators with graphing capabilities, data collection devices, and computers) to model functions and equations and solve real-life problems. As students do mathematics, they continually use problem-solving, language and communication, connections within and outside mathematics, and reasoning (justification and proof). Students also use multiple representations, technology, applications and modeling, and numerical fluency in problem solving contexts.

| PRE - CALCULUS PRE - AP | | |
|---------------------------------------|-------------------------------------|-------------------|
| GRADE: 11-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03101100 | | KISD: 2313 |
| PREREQUISITE: Geometry and Algebra II | | WEIGHTED: 10 pts. |

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

of sophistication in student work.

| ADVANCED QUANTITATIVE REASONING | | |
|---------------------------------------|--|------------|
| GRADE: 11-12 | | CREDIT: 1 |
| PEIMS: 03102510 | | KISD: 2423 |
| PREREQUISITE: Algebra II | | |

Advanced Quantitative Reasoning must be taken after Algebra II to receive mathematics credit. AQR is a capstone mathematics course that follows Algebra I, Geometry, and Algebra II as a viable fourth year mathematics course. It builds on and extends what students have learned and covers other mathematics topics not typically taught in high school. The course does not remediate skills, but reinforces needed skills as students study new topics in relevant, engaging contexts. The course emphasizes statistics and financial applications, and it prepares students to

use algebra, geometry, trigonometry, and discrete mathematics to model a range of situations and solve problems. The course also helps students develop college and career skills such as collaborating, conducting research, and making presentations.

CALCULUS

GRADE: 11-12 CREDIT: 1

PEIMS: 03102500 KISD:2322

PREREQUISITE: Pre-Calculus

Calculus is designed for college bound students who have taken on level Pre-Calculus. 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

GRADE: 12 CREDIT: 1

PEIMS: A3100101 KISD: 2333

PREREQUISITE: WEIGHTED: 10 pts.
Pre-Calculus

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

GRADE: 12 CREDIT: 1

PEIMS: A3100102 KISD: 2343

PREREQUISITE: WEIGHTED: 10 pts.
Pre-Calculus Pre-AP

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 plus additional topics such as parametric, polar, and vector functions and derivatives, L'Hospital's Rule, Applications of Integrals, and Polynomial Approximations and Series. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP STATISTICS

GRADE: 11-12 CREDIT: 1

PEIMS: A3100200 KISD: 2403

PREREQUISITE: WEIGHTED: 10 pts.
Algebra II and Geometry

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:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

AP students prepare to take the Advanced Placement Exam in May for possible college credit.

AP COMPUTER SCIENCE

GRADE: 11-12 CREDIT: 1

PEIMS: A3580100 KISD: 8513

PREREQUISITE: WEIGHTED: 10 pts.
Computer Science I and Algebra II

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.**

STATISTICS AND RISK MANAGEMENT

GRADE: 11-12 CREDIT: 1

PEIMS: 13016900 KISD: 8333

PREREQUISITE: 3 years of mathematics

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.

MATH MODELS
WITH
APPLICATIONS

GRADE: 10-11 CREDIT: 1

PEIMS: 03102400 KISD: 2123

PREREQUISITE: Algebra I

Math Models with Applications must be taken prior to Algebra II to received mathematics credit under the RHSP. Math Model with Applications cannot count as one of the four math credits under the DAP. In Mathematical Model with Applications, students continue to build on the K-8 and Algebra I foundations as they expand their understanding through other mathematical experiences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines.

Students use mathematical methods to model and solve real-life application problems involving money, data, chance, patterns, music, design, and science. Students use mathematical models from algebra, geometry, probability, and statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations. Students use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology (including, but not limited to, calculators with graphing capabilities, data collection devices, and computers) to link modeling techniques and purely mathematical concepts and to solve applied problems. As students do mathematics, they continually use problem-solving, language and communication, connections within and outside mathematics, and reasoning (justification and proof). Students also use multiple representations, technology, applications and modeling, and numerical fluency in problem-solving contexts.

| Science | | | |
|--|-----------------|---------------------|---|
| Course Name | Credits | Grade Levels | Prerequisites |
| Integrated Physics and Chemistry | 1 | 9-10 | None |
| Biology | 1 | 9-11 | None |
| Biology Pre-AP | 1 | 9-10 | None |
| AP Biology | 1 | 11-12 | Biology |
| Chemistry | 1 | 10-12 | Biology |
| Chemistry Pre-AP | 1 | 10-12 | Biology |
| Chemistry AP | 1 | 11-12 | Chemistry |
| Physics | 1 | 9-12 | Algebra I |
| Physics Pre-AP | 1 | 10-12 | Algebra I |
| AP Physics 1 | 1 | 11-12 | Physics |
| AP Physics 2 | 1 | 11-12 | Physics |
| AP Physics C | 1 | 11-12 | Physics |
| Principles of Technology I | 1 | 10-12 | One credit in science and Algebra I |
| Anatomy and Physiology of Human Systems | 1 | 10-12 | Recommended three credits of science |
| Aquatic Science | 1 | 10-12 | Biology |
| Astronomy | 1 | 11-12 | Biology |
| Environmental Science AP | 1 | 11-12 | Biology |
| Environmental Systems | 1 | 11-12 | Biology; and one credit of Chemistry or Physics |
| Earth and Space Science | 1 | 11-12 | Three credits of science and three credits of mathematics (one of which may be taken concurrently) |
| Medical Microbiology/Pathophysiology | 0.5 each | 11-12 | Recommended three credits of science |
| Scientific Research and Design: Forensics | 1 | 12 | IPC, Biology and Chemistry |

| <i>Recommended Science Sequence</i> | 9th Grade | 10th Grade | 11th Grade | 12th Grade |
|--|------------------------------|------------------------------|------------------------------|------------------------------|
| <i>4 Credits</i> | Biology or Biology Pre-AP | Advanced Science | Advanced Science | Endorsement Science |

INTEGRATED PHYSICS AND CHEMISTRY

GRADE: 9-10 CREDIT: 1

PEIMS: 03060201 KISD: 3003

PREREQUISITE: None (IPC cannot be taken after completion of Chemistry and/or Physics.)

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

GRADE: 9-11 CREDIT: 1

PEIMS: 03010200 KISD: 3103

PREREQUISITE: None

In Biology, students conduct field and laboratory investigations, use specific methods during investigations and make informed decisions using critical thinking and scientific problem solving. Students in Biology 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 / PRE - AP

GRADE: 9-10 CREDIT: 1

PEIMS: 03010200 KISD: 3113

PREREQUISITE: None WEIGHTED: 10 pts.

Pre-AP Biology 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 Pre-AP

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. Pre-AP students should expect to continue in the AP program with a goal of taking the AP test.

AP BIOLOGY

GRADE: 11-12 CREDIT: 1 -

PEIMS: A3010200 KISD: 3123

PREREQUISITE: WEIGHTED: 10 pts.
Biology

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. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

CHEMISTRY

GRADE: 10-12 CREDIT: 1

PEIMS: 03040000 KISD: 3303

PREREQUISITE: Biology

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 / PRE - AP

GRADE: 10-12 CREDIT: 1

PEIMS: 03040000 KISD: 3313

PREREQUISITE: WEIGHTED: 10 pts.
Biology

Chemistry Pre-AP 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. Students should expect a challenging Pre-AP curriculum with the expectation of moving on to AP Chemistry and taking the AP test.

| C H E M I S T R Y A P | |
|-------------------------|--|
| GRADE: 11-12 | CREDIT: 1 – 4 th year science credit |
| PEIMS: A3040000 | KISD: 3333 |
| PREREQUISITE: Chemistry | WEIGHTED: 10 pts. |

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. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

| P H Y S I C S | |
|-------------------------|------------|
| GRADE: 9-12 | CREDIT: 1 |
| PEIMS: 03050000 | KISD: 3403 |
| PREREQUISITE: Algebra I | |

In Physics, 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: laws of motion, changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.

| P H Y S I C S / P R E - A P | |
|-----------------------------|-------------------|
| GRADE: 10-12 | CREDIT: 1 |
| PEIMS: 03050000 | KISD: 3413 |
| PREREQUISITE: | WEIGHTED: 10 pts. |

Pre-AP Physics is a lab based course with emphasis on the analysis and evaluation of experimental data. In addition to the regular class requirements, students should expect to encounter a challenging Pre-AP level curriculum and should have a goal of continuing on to AP Physics. Special projects will be required.

| A P P H Y S I C S 1 | |
|-------------------------|-------------------|
| GRADE: 10-12 | CREDIT: 1 |
| PEIMS: TBD | KISD: 3443 |
| PREREQUISITE: Physics | WEIGHTED: 10 pts. |

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.**

| A P P H Y S I C S 2 | |
|-------------------------|-------------------|
| GRADE: 11-12 | CREDIT: 1 |
| PEIMS: TBD | KISD: 3453 |
| PREREQUISITE: Physics | WEIGHTED: 10 pts. |

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.**

| A P P H Y S I C S C | |
|-------------------------|-------------------|
| GRADE: 11-12 | CREDIT: 1 |
| PEIMS: A3050002 | KISD: 3433 |
| PREREQUISITE: Physics | WEIGHTED: 10 pts. |

This course is designed for students interested in pursuing a degree in science, math or engineering. It is a calculus-based approach to physics and focuses on a more in-depth study of mechanics and electromagnetism. The course should prepare students for successful completion of the AP Physics C Exam. The content of the course will meet College Board standards. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced**

Placement Exam in May for possible college credit.

PRINCIPLES OF TECHNOLOGY

GRADE: 10-12 CREDIT: 1

PEIMS: 13037100 KISD: 3553

PREREQUISITE: One credit of high school science and Algebra I.

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).

In Principles of Technology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions 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 and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices.

ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS

GRADE: 11-12 CREDIT: 1

PEIMS: 13020600 KISD: 3203

PREREQUISITE: Recommended three credits of 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).

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 science credit, students must meet a 40% laboratory and fieldwork requirement.

AQUATIC SCIENCE

GRADE: 10-12 CREDIT: 1

PEIMS: 03030000 KISD: 3513

PREREQUISITE: Biology (required)
Suggested or concurrent enrollment in Chemistry

observations of aquatic environments, work collaboratively with peers, and develop critical thinking and problem solving skills.

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

ASTRONOMY

GRADE: 11-12 CREDIT: 1

PEIMS: 03060100 KISD: 3503

PREREQUISITE: Biology

successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical thinking skills.

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

ENVIRONMENTAL SCIENCE AP

GRADE: 11-12 CREDIT: 1 -

PEIMS: A3020000 KISD: 3543

PREREQUISITE: WEIGHTED: 10 pts.
None

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03020000 KISD: 3533

PREREQUISITE: Biology and 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.

MEDICAL MICROBIOLOGY

GRADE: 11-12 CREDIT: .5 –

PEIMS:

13020700 KISD: 8295

PREREQUISITE: Recommended three credits of 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).

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 science credit, students must meet 40% laboratory and fieldwork requirement.

PATHOPHYSIOLOGY

GRADE: 11-12 CREDIT: .5 –

PEIMS: 13020800 KISD: 8296

PREREQUISITE: Recommended three credits of 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).

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. The course must include at least 40% laboratory investigations and fieldwork using appropriate scientific inquiry.

SCIENTIFIC RESEARCH AND DESIGN

GRADE: 11-12 CREDIT: 1

PEIMS: 13037200 KISD: 3563

PREREQUISITE: One credit of high school 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).

Science, as defined by the National Academy of Sciences, is the “use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process”. This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.

EARTH AND SPACE SCIENCE

GRADE: 11-12 CREDIT: 1

PEIMS: 03060200 KISD: 3573

PREREQUISITE: Three credits of science (one of which can be taken concurrently)/Three credits of math (one of which can be taken concurrently)

Earth and Space 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 | Prerequisites |
|--|------------|--------------|--------------------------------|
| World Geography | 1 | 9 | None |
| World Geography Pre-AP | 1 | 9 | None |
| World History | 1 | 10 | None |
| World History AP | 1 | 10 | None |
| United States History | 1 | 11 | None |
| United States History AP | 1 | 11 | None |
| Dual United States History <i>TCC US History 1301 and 1302</i> | 1 | 11 | TCC Admission Standards |
| United States Government | 0.5 | 12 | None |
| United States Government and Politics AP | 0.5 | 12 | None |
| Economics | 0.5 | 12 | None |
| Economics AP (Macroeconomics) | 0.5 | 12 | None |
| Economics AP (Microeconomics) | 0.5 | 12 | None |
| AP Comparative Government and Politics | 0.5 | 12 | None |
| AP Human Geography | 1 | 9-12 | None |
| European History AP | 1 | 11-12 | None |
| Psychology | 0.5 | 11-12 | None |
| Psychology AP | 0.5 | 11-12 | None |
| Sociology | 0.5 | 11-12 | None |
| Dual Principles of Economics TCC <i>Economics 2301</i> | 0.5 | 12 | TCC Admission Standards |
| Dual United States Government TCC <i>Government 2305</i> | 0.5 | 12 | TCC Admission Standards |

| <i>Recommended Social Studies Sequence</i> | 9 th Grade | 10 th Grade | 11 th Grade | 12 th Grade |
|---|---|-----------------------------------|-----------------------------|---|
| <i>4 Credits</i> | World Geography or World Geography Pre-AP | World History or AP World History | US History or AP US History | Government/ Economics OR AP Government/ AP Macroeconomics |

WORLD GEOGRAPHY

GRADE: 9 CREDIT: 1

PEIMS: 03320100 KISD: 4203

PREREQUISITE: None

Integrating the eight strands of the Texas Essential Knowledge and Skills for social 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. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major land forms, climates, and ecosystems and their interrelationships; the political, economics, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of 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.

WORLD GEOGRAPHY PRE - AP

GRADE: 9 CREDIT: 1

PEIMS: 03320100 KISD: 4223

PREREQUISITE: None
WEIGHTED: 10 pts.

Pre-AP World Geography is designed for mastery of the Texas Essential Knowledge and Skills as well as 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.

WORLD HISTORY

GRADE: 10 CREDIT: 1

PEIMS: 03340400 KISD: 4103

PREREQUISITE: None

World History is a global study of man's achievements from the beginning of prehistoric times to the present. Special emphasis is given to cultural patterns that have resulted from the interrelationships of geographic, social, economic, and political factors.

WORLD HISTORY AP

GRADE: 10 CREDIT: 1

PEIMS: A3370100 KISD: 4123

PREREQUISITE: None
WEIGHTED: 10 pts.

The AP World History is equivalent to an introductory college course in world history and is taught with a college level text. The purpose of this course is to develop a greater understanding of the development of world societies as they develop and interact through the ages. Emphasis will be placed on a combination of selective factual knowledge and appropriate analytical skills. There will be a focus on a variety of themes that collectively describe the human experience and issues of

social structure and conditions of men and women. Studies will include routes of exchange and basic economic, political and social systems. A Special Topics class may be encouraged. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

UNITED STATES HISTORY

GRADE: 11 CREDIT: 1

PEIMS: 03340100 KISD: 4003

PREREQUISITE: None

United States History is a study of the political, social, and economic events from Reconstruction 1877 to the present. Emphasis will be placed on significant individuals, issues, ideas and events that affect our country's history, present and future. In addition, students will learn how geography influences historical developments, economic development and growth; understand the nation's social, cultural and political development as the United States emerged as a world power and the relationship of the United States to the other nations of the world.

UNITED STATES HISTORY AP

GRADE: 11 CREDIT: 1

PEIMS: A3340100 KISD: 4023

PREREQUISITE: None
WEIGHTED: 10 pts.

The Advanced Placement United States History course is equivalent to an introductory course in United States History and is taught with a college level text. The purpose of this course is to develop a greater understanding of the development of United States through analytical skills and factual knowledge of the time period. Emphasis will be placed on assessment of historical materials and its relevance to

given interpretive problems. A Special Topics class may be encouraged. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

| | | |
|---|-------------------------------------|------------|
| TCC – UNITED STATES HISTORY (U S H I S T O R Y 1 3 0 1 / 1 3 0 2) | | |
| GRADE: 11 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03330100 | | KISD: 4004 |
| 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, Northeast Campus.

| | | |
|-------------------------------------|-------------------------------------|------------|
| UNITED STATES GOVERNMENT | | |
| GRADE: 12 | <input checked="" type="checkbox"/> | CREDIT: .5 |
| PEIMS: 03330100 | | KISD: 4301 |
| PREREQUISITE: None | | |

United States Government is a general study of federal, state, local governments and the American political system including their decisions and activities. Emphasis is placed on civic participation and responsibilities, democratic beliefs, and the interrelationships of government with the American economic system. This course provides an opportunity to study in depth the foundation of the United States political system; to analyze structure and functions of the government on the local, state and federal levels; and to study the major documents including the Bill of Rights, Constitution and Federalist papers. The United States government and political systems will be compared to other governments and systems around the world.

| | | |
|---|-------------------------------------|-------------------|
| UNITED STATES GOVERNMENT AND POLITICS AP | | |
| GRADE: 12 | <input checked="" type="checkbox"/> | CREDIT: .5 |
| PEIMS: A3330100 | | KISD: 4311 |
| PREREQUISITE: None | | WEIGHTED: 10 pts. |

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. The curriculum is prescribed by the College Board of AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

| | | |
|--------------------|-------------------------------------|------------|
| ECONOMICS | | |
| GRADE: 12 | <input checked="" type="checkbox"/> | CREDIT: .5 |
| PEIMS: 03310300 | | KISD: 4302 |
| PREREQUISITE: None | | |

selected topics for study.

Economics is the general study of the principles concerning the production, consumption and distribution of goods and services. Areas of study include fee enterprise, consumer behavior, personal financial literacy, monetary policy and the Federal Reserve, fiscal policy and International trade. The student will be involved in the application of economic facts, models, theories and generalizations of

**ECONOMICS AP
(MACROECONOMICS)**

GRADE: 12 CREDIT: .5

PEIMS: A3310200 KISD: 4322

PREREQUISITE: WEIGHTED: 10 pts.
None

growth, fluctuations of outputs and prices, money, monetary and fiscal policy and the global economy. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

**ECONOMICS AP
(MICROECONOMICS)**

GRADE: 12 CREDIT: .5

PEIMS: A3310100 KISD: 4312

PREREQUISITE: WEIGHTED: 10 pts.
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. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

**AP COMPARATIVE
GOVERNMENT AND
POLITICS**

GRADE: 12 CREDIT: .5

PEIMS: A3330200 KISD: 4321

PREREQUISITE: WEIGHTED: 10 pts.
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. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

**AP HUMAN
GEOGRAPHY**

GRADE: 11-12 CREDIT: 1

PEIMS: A3360100 KISD: 4501

PREREQUISITE: WEIGHTED: 10 pts.
None

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alterations of the earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. AP Human Geography can be substituted for World Geography. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

**EUROPEAN HISTORY
AP**

GRADE: 11-12 CREDIT: 1

PEIMS: A3340200 KISD: 4503

PREREQUISITE: WEIGHTED: 10 pts.
None

AP European History is equivalent to an introductory college course in European History. European History AP is a study of European history from the High Renaissance (1450) to the recent past (1970). Emphasis will be placed on the investigation, understanding, and assessment of the principle themes in modern European history such as the intellectual, cultural, political, diplomatic, social, and economic developments. Analysis of historical evidence and expressing that understanding and analysis in writing will be required. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

PSYCHOLOGY

GRADE: 11-12 CREDIT: .5
PEIMS: 03350100 KISD: 4402
PREREQUISITE: None

human behavior in general.

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

PSYCHOLOGY AP

GRADE: 11-12 CREDIT: .5
PEIMS: A3350100 KISD: 4403
PREREQUISITE: WEIGHTED: 10 pts.
None

AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

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. The curriculum is prescribed by the College Board for

SOCIOLOGY

GRADE: 11-12 CREDIT: .5
PEIMS: 03370100 KISD: 4401
PREREQUISITE: None

groups and interaction among groups, understanding the impact of media on groups and analyzing the impact science and technology upon people and culture.

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 included, but are not limited to, analyzing types of

TCC – PRINCIPLES OF MACROECONOMICS (ECON2301)

GRADE: 12 CREDIT: 1
PEIMS: 03310300 KISD: 4331
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, Northeast Campus.

TCC – UNITED STATES GOVERNMENT (GOVT2305)

GRADE: 12 CREDIT: 1
PEIMS: 03330100 KISD: 4303
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, Northeast Campus.

Physical Education

| Course Name | Credits | Grade Levels | Prerequisites |
|---------------------------------|---------|--------------|---------------|
| Adventure/Outdoor Education | 1 | 9-12 | None |
| Foundations of Personal Fitness | 0.5-1 | 9-12 | None |
| Individual Sports | 0.5-1 | 9-12 | None |
| Partner P.E. | 0.5 | 9-12 | None |

Athletics

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

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

Note: The parents of students participating in any UIL athletic activity are required to complete an online substance abuse awareness program. Visit the "Students & Families" tab at www.kellerisd.net or see your coach for more information.

*Must receive district approval

Physical Education Substitutions

| Course Name | Credits | Grade Levels | Awarded |
|--------------|---------|--------------|--------------------|
| Cheerleading | 1 | 9-12 | Fall and Spring |
| Band | 1 | 9-12 | Fall Semester Only |
| Drill Team | 1 | 9-12 | Fall and Spring |
| ROTC I | 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

CREDIT: .5 per semester for a maximum of 1 credit

GRADE: 9-12

PREREQUISITE: Approval by the coach of that particular 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.

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 better 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.

CHEERLEADING

LOCAL CREDIT: 1

GRADE: 9-12

PEIMS: PES00013

KISD: 50201

PREREQUISITE: Selection by tryouts and judging

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. All other credits awarded are local and do not count towards graduation.

ADVENTURE / OUTDOOR EDUCATION

GRADE: 9-12

CREDIT: 1

PEIMS: PES00053

KISD: 50303

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.

AEROBIC ACTIVITIES

GRADE: 9-12

CREDIT: .5

PEIMS: PES00054

KISD: 50302

PREREQUISITE: None

Students in aerobic activities are exposed to a variety of aerobics that promote health-related fitness.

FOUNDATIONS OF PERSONAL FITNESS

GRADE: 9-12

CREDIT: .5-1

PEIMS: PES00052

KISD: 50304

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.

INDIVIDUAL SPORTS

GRADE: 9-12

CREDIT: .5-1

PEIMS: PES00055

KISD: 50304

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.

P A R T N E R P . E .

GRADE: 9-12

CREDIT: .5

PEIMS: PES00052

KISD: 50305

PEIMS: PES00055

PREREQUISITE: Application

Partner 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. Partner P.E. will enhance the existing academic schedule by offering a class that includes students with disabilities and students 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 Partner 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 Skills

| Course Name | Credits | Grade Levels | Prerequisites |
|------------------------------------|-----------|--------------|---------------|
| Professional Communications | .5 | 9-12 | None |
| Entrepreneurship | .5 | 9-12 | None |

P R O F E S S I O N A L C O M M U N I C A T I O N S

GRADE: 9-12 CREDIT: .5

PEIMS: 13009900 KISD: 1465

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.

E N T R E P R E N E U R S H I P

GRADE: 10-12 CREDIT: .5

PEIMS: 13034400 KISD: 8505

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.

ENDORSEMENTS

Arts & Humanities

- Cultural Studies
- Fine Arts
- World Languages

Business & Industry

- Agriculture
- Architecture and Construction
- Arts, Audio Video
- Business Management
- Communication
- Finance
- Marketing
- Transportation, Distribution, Logistics

Public Services

- Education and Training
- Government
- Health Science
- Hospitality and Tourism
- Human Services
- Law Enforcement and Security
- Military Science

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.

ARTS & HUMANITIES

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Available AP Exams |
|---------------------------------|------------------------|---|---|-----------------------------|---|---|
| <i>History Cultural Studies</i> | | | | | | |
| History | <i>World Geography</i> | <i>World History</i> | <i>US History and AP European History</i> | <i>Government/Economics</i> | Professional Communications, Entrepreneurship, Money Matters, AP Human Geography, Comparative Government and Microeconomics | US History, Government, Comparative Government, Macroeconomics, Microeconomics, European History, Human Geography |
| Cultural Studies | <i>World Geography</i> | <i>World History and AP Human Geography</i> | <i>US History</i> | <i>Government/Economics</i> | Professional Communications, Entrepreneurship, Money Matters. AP Psychology, Sociology | |

| History and Cultural Studies | | | |
|---|------------|--------------|---------------|
| Course Name | Credits | Grade Levels | Prerequisites |
| Economics AP (Microeconomics) | 0.5 | 12 | None |
| AP Comparative Government and Politics | 0.5 | 12 | None |
| AP Human Geography | 1 | 9-12 | None |
| European History AP | 1 | 11-12 | None |
| Psychology | 0.5 | 11-12 | None |
| Psychology AP | 0.5 | 11-12 | None |
| Sociology | 0.5 | 11-12 | None |

**ECONOMICS AP
(MICROECONOMICS)**

| | | |
|--------------------|-------------------------------------|-------------------|
| GRADE: 12 | <input checked="" type="checkbox"/> | CREDIT: .5 |
| PEIMS: A3310100 | | KISD: 4312 |
| PREREQUISITE: None | | WEIGHTED: 10 pts. |

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. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

**AP COMPARATIVE
GOVERNMENT AND
POLITICS**

| | | |
|--------------------|-------------------------------------|-------------------|
| GRADE: 12 | <input checked="" type="checkbox"/> | CREDIT: .5 |
| PEIMS: A3330200 | | KISD: 4321 |
| PREREQUISITE: None | | WEIGHTED: 10 pts. |

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. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

**AP HUMAN
GEOGRAPHY**

| | | |
|--------------------|-------------------------------------|-------------------|
| GRADE: 11-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: A3360100 | | KISD: 4501 |
| PREREQUISITE: None | | WEIGHTED: 10 pts. |

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alterations of the earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. AP Human Geography can be substituted for World Geography. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

**EUROPEAN HISTORY
AP**

| | | |
|--------------------|-------------------------------------|-------------------|
| GRADE: 11-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: A3340200 | | KISD: 4503 |
| PREREQUISITE: None | | WEIGHTED: 10 pts. |

AP European History is equivalent to an introductory college course in European History. European History AP is a study of European history from the High Renaissance (1450) to the recent past (1970). Emphasis will be placed on the investigation, understanding, and assessment of the principle themes in modern European history such as the intellectual, cultural, political, diplomatic, social, and economic developments. Analysis of historical evidence and expressing that understanding and analysis in writing will be required. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

PSYCHOLOGY

| | | |
|--------------------|-------------------------------------|------------|
| GRADE: 11-12 | <input checked="" type="checkbox"/> | CREDIT: .5 |
| PEIMS: 03350100 | | KISD: 4402 |
| 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.

PSYCHOLOGY AP

GRADE: 11-12 CREDIT: .5

PEIMS: A3350100 KISD: 4403

PREREQUISITE: WEIGHTED: 10 pts.
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. The curriculum is prescribed by the College Board for

AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

SOCIOLOGY

GRADE: 11-12 CREDIT: .5

PEIMS: 03370100 KISD: 4401

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 included, 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.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Available AP Exams | CTSO |
|---------------------------------------|------------------|---------------------------------------|--|--|---|--|------|
| <i>Fine Arts</i> | | | | | | | |
| Choir | <i>Choir 1</i> | Choir 2 | Choir 3 | Choir 4 | Ap Music Theory, Vocal Ensemble | Music Theory | UIL |
| Band | <i>Band 1</i> | Band 2 | Band 3 | Band 4 | AP Music Theory, Instrumental Ensemble, Percussion, Jazz Band | Music Theory | UIL |
| Dance | <i>Dance 1</i> | Dance 2 | Dance 3 | Dance 4 | Drill Team I-IV (tryouts required) | | UIL |
| Piano | <i>Piano 1</i> | Piano 2 | Piano 3 | Piano 4 | AP Music Theory | Music Theory | UIL |
| Theatre | <i>Theatre I</i> | Theatre 2 | Theatre 3 | Theatre 4 | Theatre Production I-IV, Technical Theatre I-IV | | UIL |
| Theatre - Production | <i>Theatre I</i> | Theatre Production 2 | Theatre Production 3 | Theatre Production 4 | Theatre Production I-IV, Technical Theatre I-IV | | UIL |
| Theatre - Technical | <i>Theatre I</i> | Technical Theatre 2 | Technical Theatre 3 | Technical Theatre 4 | Theatre Production I-IV, Theatre I-IV | | UIL |
| Visual Arts - Drawing | <i>Art I</i> | Art II Drawing or II Pre-AP | Art III Drawing Pre-AP | Studio Art - Drawing Portfolio AP | History of Art AP, 2-D Design Portfolio AP, 3-D Design Portfolio AP | Art History, 2-D, 3-D, and Drawing Portfolio | UIL |
| Visual Arts - Electronic Media | <i>Art I</i> | Art II Electronic Media Pre-AP | Art III Electronic Media Pre-AP | 3-D Design Portfolio AP | History of Art AP, 2-D Design Portfolio AP | Art History, 2-D, 3-D, and Drawing Portfolio | UIL |
| Visual Arts - Painting | <i>Art I</i> | Art II Painting Pre-AP | Art III Painting Pre-AP | 2-D Design Portfolio AP | History of Art AP, 3-D Design Portfolio AP | Art History, 2-D, 3-D, and Drawing Portfolio | UIL |
| Visual Arts - Sculpture | <i>Art I</i> | Art II Sculpture Pre-AP | Art III Sculpture Pre-AP | 3-D Design Portfolio AP | History of Art AP, 2-D Design Portfolio AP | Art History, 2-D, 3-D, and Drawing Portfolio | UIL |

Music (Choral/Instrumental)

| Course Name | Credits | Grade Levels | Prerequisites |
|----------------------------------|---------|--------------|--|
| Choir I | 1 | 9-12 | None |
| Choir II | 1 | 10-12 | Audition only |
| Choir III | 1 | 11-12 | Audition only |
| Choir IV | 1 | 12 | Audition only |
| Music I-IV Vocal Ensemble | 1 | 9-12 | Concurrent enrollment in a choir course or teacher approval |
| Applied Music I-IV (Piano) | 1 | 9-12 | None |
| Band I | 1 | 9-12 | Audition only |
| Band II | 1 | 10-12 | Audition only |
| Band III | 1 | 11-12 | Audition only |
| Band IV | 1 | 12 | Audition only |
| Color Guard/Winter Guard | 1 | 9-12 | Audition only (Previous dance experience is helpful, but not required.) |
| Music I-IV Instrumental Ensemble | 1 | 9-12 | Concurrent enrollment in a band course or teacher approval |
| Music Theory AP | 1 | 11-12 | Strong background in Music Theory and concurrent enrollment in band or choir |

Note: The parents of students participating in any UIL fine arts activity are required to complete an online substance abuse awareness program. Visit the “Student & Families” tab at www.kellerisd.net or see your instructor for more information.

CHORAL MUSIC

CHOIR I

GRADE: 9-12 CREDIT: 1

PEIMS: 03150900

PREREQUISITE: None

Choir I is a training choir for students with little or no choral experience. Basics of choral singing, basic theory, and music fundamentals will be studied. Students will be encouraged to participate in auditions and solo/ensemble contest. Concert performances are required.

CHOIR II

GRADE: 10-12 CREDIT: 1

PEIMS: 03151000

PREREQUISITE: Audition Only

required.

Choir II is designed for students who have previous experience in choral music. Students must have basic sight singing skills. Repertoire includes: traditional choral music and lighter musical pieces. Students will study vocal/choral techniques, music theory, sight singing, and small ensemble singing. Students will be encouraged to participate in auditions and solo/ensemble contest. Concert performances are required.

CHOIR III

GRADE: 11-12 CREDIT: 1

PEIMS: 03151100

PREREQUISITE: Audition only

contest. Concert performances are required.

Choir III is designed for students who have previous experience in choral music. Students must have advanced sight singing skills. Repertoire includes traditional choral music and music of all style periods and genres. Students will study vocal/choral techniques, music theory, advanced sight singing, and music history. Students will audition for the all-state choir and participate in the solo/ensemble contest. Concert performances are required.

CHOIR IV

GRADE: 12 CREDIT: 1

PEIMS: 03151200

PREREQUISITE: Audition only

Choir IV is designed for students who have prior experience in choral music. Repertoire includes traditional choral music and musical theatre. Students will study vocal/choral techniques, music theory, advanced sight singing, and small ensemble singing. Students will audition for the all-state choir and participate in the solo/ensemble contest. Concert performances are required.

MUSIC I-IV VOCAL ENSEMBLE

GRADE: 9-12 CREDIT: 1

PEIMS: 03152100 I

PEIMS: 03152200 II

PEIMS: 03152300 III

PEIMS: 03152400 IV

PREREQUISITE: Concurrent enrollment in a choir course and teacher approval

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 harmonies, advanced rhythms, and advanced techniques consistent with pedagogy classes offered by college level courses.

INSTRUMENTAL MUSIC

PIANO I - IV

| | |
|--------------------|-----------|
| GRADE: 9-12 | CREDIT: 1 |
| PEIMS: 03152500 | I 7163 |
| PEIMS: 03152600 | II 7173 |
| PEIMS: 03151900 | III 7183 |
| PEIMS: 03152000 | IV 7193 |
| PREREQUISITE: None | |

This piano class is a goal driven and independently paced class. 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 pianist. Prior piano lessons are not required. Some music ability or experience is preferred.

BAND I

| | |
|-----------------------------|-----------|
| GRADE: 9-12 | CREDIT: 1 |
| PEIMS: 03150100 | |
| PREREQUISITE: Audition only | |

The campus band is designed as an introductory class to basic skills in band. This class will focus on each student's individual playing skills. Students will receive an extremely high amount of individualized attention to focus on skills necessary for success in high school band. Students are also required to enroll in band for the full school year and participate in all extracurricular activities related to the marching band.

BAND II

| | |
|-----------------------------|-----------|
| GRADE: 10-12 | CREDIT: 1 |
| PEIMS: 03150200 | |
| PREREQUISITE: Audition only | |

Band II is a preparatory group that focuses on refining individual skills necessary for the student to be successful both musically and technically in the wind ensemble. Students are encouraged to participate in all-region auditions in the fall and region solo and ensemble competition in the spring. There are several additional performance opportunities, both individually and collectively in which the students will be encouraged to 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.

BAND III

| | |
|-----------------------------|-----------|
| GRADE: 11-12 | CREDIT: 1 |
| PEIMS: 03150300 | |
| PREREQUISITE: Audition only | |

Band III is designed as an upper level high school band. The primary focus is on individual skills that will be necessary for the student's success in any ensemble. Students are encouraged to participate in all-region auditions in the fall and region solo and ensemble competition in the spring. There are several other performance opportunities, both individually and collectively in which the students will be allowed to 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.

BAND IV

| | |
|-----------------------------|-----------|
| GRADE: 12 | CREDIT: 1 |
| PEIMS: 03150400 | |
| PREREQUISITE: Audition only | |

Band IV is the top performing group at the high school. This ensemble delves into the finer points of ensemble playing and individual performance. An extremely high level of proficiency on the student's instrument is required. Students are required to participate in all-region auditions in the fall and region solo and ensemble competition in the spring. There are several additional performance opportunities, both individually and collectively in which the student will be required to 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.

**COLOR
GUARD / WINTER
GUARD
I - IV**

| | | |
|---|-----------|------------|
| GRADE: 9-12 | CREDIT: 1 | |
| PEIMS: 03150100 | I | KISD: 7101 |
| PEIMS: 03150200 | II | KISD: 7102 |
| PEIMS: 03150300 | III | KISD: 7103 |
| PEIMS: 03150400 | IV | KISD: 7104 |
| PREREQUISITE: Audition only; 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 may take place during school vacations.

**MUSIC I-IV
INSTRUMENTAL
ENSEMBLE**

| | | |
|---|-----------|--|
| GRADE: 9-12 | CREDIT: 1 | |
| PEIMS: 03151700 | I | |
| PEIMS: 03151800 | II | |
| PEIMS: 03151900 | III | |
| PEIMS: 03152000 | IV | |
| PREREQUISITE: Concurrent enrollment in a Band course and teacher approval | | |

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.**

MUSIC THEORY AP

| | | |
|--|-------------------|--|
| GRADE: 11-12 | CREDIT: 1 | |
| PEIMS: A3150200 | KISD: 7153 | |
| PREREQUISITE: | WEIGHTED: 10 pts. | |
| Strong background in Music Theory and concurrent enrollment in Band or Choir | | |

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.**

| Dance | | | |
|---------------------------------------|----------------|---------------------|--|
| Course Name | Credits | Grade Levels | Prerequisites |
| Dance I | 1 | 9-12 | None |
| Aerobic Activities – PE Credit | 1 | 9-12 | Dance I |
| Dance II | 1 | 10-12 | Dance I and/or Teacher Approval |
| Dance III | 1 | 11-12 | Dance II and/or Teacher Approval |
| Dance IV | 1 | 11-12 | Dance III and/or Teacher Approval |

| DANCE I | |
|--------------------|------------|
| GRADE: 9-12 | CREDIT: 1 |
| PEIMS: 03830100 | KISD: 5123 |
| PREREQUISITE: None | |

Dance I 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.

| AEROBIC ACTIVITIES (DANCE) | |
|-----------------------------------|-------------|
| GRADE: 10-12 | CREDIT: 1 |
| PEIMS: PES00054 | KISD: 50302 |
| PREREQUISITE: None | |

Students in aerobic activities are exposed to a variety of aerobics that promote health-related fitness. This course counts as a physical education credit for graduation

| DANCE II | |
|---|------------|
| GRADE: 10-12 | CREDIT: 1 |
| PEIMS: 03830200 | KISD: 5133 |
| PREREQUISITE: Dance I and/or teacher approval | |

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 | |
|--|------------|
| GRADE: 11-12 | CREDIT: 1 |
| PEIMS: 03830300 | KISD: 5134 |
| PREREQUISITE: Dance II and/or teacher approval | |

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 | |
|---|------------|
| GRADE: 11-12 | CREDIT: 1 |
| PEIMS: 03830400 | KISD: 5135 |
| PREREQUISITE: Dance III and/or teacher approval | |

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.

Theatre Arts

| Course Name | Credits | Grade Levels | Prerequisites |
|-------------------------------|----------|--------------|---|
| Theatre Arts I | 1 | 9-12 | None |
| Theatre Arts II | 1 | 10-12 | Theatre Arts I and teacher approval |
| Theatre Arts III | 1 | 10-12 | Theatre Arts II and/or teacher approval |
| Theatre Arts IV | 1 | 12 | Theatre Arts III and/or teacher approval |
| Technical Theatre I | 1 | 10-12 | Theatre Arts I |
| Technical Theatre II | 1 | 10-12 | Technical Theatre I and teacher approval |
| Technical Theatre III | 1 | 11-12 | Technical II and teacher approval |
| Technical Theatre IV | 1 | 11-12 | Technical Theatre III and teacher approval |
| Theatre Production I | 1 | 9-12 | Theatre Arts I and teacher approval |
| Theatre Production II | 1 | 9-12 | Theatre Arts I and teacher approval |
| Theatre Production III | 1 | 9-12 | Theatre Arts I and teacher approval |
| Theatre Production IV | 1 | 9-12 | Theatre Arts I and teacher approval |

T H E A T R E A R T S I

GRADE: 9-12 CREDIT: 1

PEIMS: 03250100 KISD: 7703

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.

T H E A T R E A R T S I I

GRADE: 10-12 CREDIT: 1

PEIMS: 03250200 KISD: 7713

PREREQUISITE: Theatre Arts I and teacher approval

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

T H E A T R E A R T S I I I

GRADE: 10-12 CREDIT: 1

PEIMS: 03250300 KISD: 7723

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.

T H E A T R E A R T S I V

GRADE: 12 CREDIT: 1

PEIMS: 03250400 KISD: 7733

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.

**T E C H N I C A L
T H E A T R E I**

GRADE: 10-12 CREDIT: 1

PEIMS: 03250500 KISD: 7743

PREREQUISITE: Theatre Arts I

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.

**T E C H N I C A L
T H E A T R E I I**

GRADE: 10-12 CREDIT: 1

PEIMS: 03250600 KISD: 7753

PREREQUISITE: Technical Theatre I and teacher approval

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.

**T E C H N I C A L
T H E A T R E I I I**

GRADE: 11-12 CREDIT: 1

PEIMS: 03251100 KISD: 7763

PREREQUISITE: Technical Theatre II and teacher approval

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.

**T E C H N I C A L
T H E A T R E I V**

GRADE: 11-12 CREDIT: 1

PEIMS: 03251200 KISD: 7773

PREREQUISITE: Technical Theatre III and
teacher approval

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

**T H E A T R E
P R O D U C T I O N
I - I V**

GRADE: 9-12 CREDIT: 1

PEIMS: 03250700 I KISD: 7783

PEIMS: 03250800 II KISD: 7793

PEIMS: 03250900 III KISD: 7803

PEIMS: 03251000 IV KISD: 7813

PREREQUISITE: Theatre Arts I and teacher
approval

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.

| Art-Visual | | | |
|--|----------------|---------------------|--|
| Course Name | Credits | Grade Levels | Prerequisites |
| Art I | 1 | 9-12 | None |
| Art I Pre-AP | 1 | 9-11 | Teacher recommendation |
| Art II Drawing | 1 | 10-12 | Art I |
| Art II Drawing Pre-AP | 1 | 10-12 | Art I Pre-AP or teacher recommendation |
| Art II Electronic Media Pre-AP | 1 | 10-12 | Art I, Digital Graphics, Art I Pre-AP or teacher recommendation |
| Art II Painting Pre-AP | 1 | 10-12 | Art I Pre-AP or teacher recommendation |
| Art II Sculpture Pre-AP | 1 | 10-12 | Art I Pre-AP or teacher recommendation |
| Art III Drawing Pre-AP | 1 | 11-12 | Art II Pre-AP or teacher recommendation |
| Art III Electronic Media Pre-AP | 1 | 11-12 | Art II Pre-AP or teacher recommendation |
| Art III Painting Pre-AP | 1 | 11-12 | Art II Pre-AP or teacher recommendation |
| Art III Sculpture Pre-AP | 1 | 11-12 | Teacher recommendation |
| History of Art AP | 1 | 10-12 | Teacher recommendation |
| History of Art AP ONLINE | 1 | 10-12 | Teacher recommendation |
| Studio Art-Drawing Portfolio AP | 1 | 10-12 | Level II Pre-AP or teacher recommendation |
| 2-D Design Portfolio AP | 1 | 10-12 | Level II Pre-AP or teacher recommendation |
| 3-D Design Portfolio AP | 1 | 10-12 | Level II Pre-AP or teacher recommendation |

ART I

GRADE: 9-12 CREDIT: 1

PEIMS: 03500100 KISD: 7403

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 prerequisite for all specialized classes.

ART I / PRE - AP

GRADE: 9-11 CREDIT: 1

PEIMS: 03500100 KISD: 7413

PREREQUISITE: WEIGHTED: 10 pts.
Teacher recommendation

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 prerequisite for Art II Pre-AP.

ART II DRAWING

GRADE: 10-12 CREDIT: 1

PEIMS: 03500500 KISD: 7423

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
PRE - AP**

GRADE: 10-12 CREDIT: 1

PEIMS: 03500500 KISD: 7425

PREREQUISITE: WEIGHTED: 10 pts.
Art I Pre-AP or teacher recommendation

Drawing Pre-AP 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 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
ELECTRONIC MEDIA
PRE - AP**

GRADE: 10-12 CREDIT: 1

PEIMS: 0350330 KISD: 7472

PREREQUISITE: WEIGHTED: 10 pts.
Art I, Digital Graphics, Art I Pre-AP, or teacher
recommendation

Electronic Media emphasizes the elements and principles of art through traditional art projects completed 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
PRE - AP**

GRADE: 10-12 CREDIT: 1

PEIMS: 03500600 KISD: 7427

PREREQUISITE: WEIGHTED: 10 pts.
Art I Pre-AP or teacher recommendation

Pre-AP Painting II 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
PRE - AP**

GRADE: 10-12 CREDIT: 1

PEIMS: 03501000 KISD: 7463

PREREQUISITE: WEIGHTED: 10 pts.

Art I Pre-AP or teacher recommendation

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
PRE - AP**

GRADE: 11-12 CREDIT: 1

PEIMS: 03501300 KISD: 7496

PREREQUISITE: WEIGHTED: 10 pts.

Art II Pre-AP or teacher recommendation

vocabulary related to media and techniques.

Drawing Pre-AP 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

**ART III
ELECTRONIC MEDIA
PRE - AP**

GRADE: 11-12 CREDIT: 1

PEIMS: 03503400 KISD: 7473

PREREQUISITE: WEIGHTED: 10 pts.

Art II Pre-AP or teacher recommendation

Art III Electronic Media Pre-AP 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
PRE - AP**

GRADE: 11-12 CREDIT: 1

PEIMS: 03501400 KISD: 7481

PREREQUISITE: WEIGHTED: 10 pts.

Art II Pre-AP or teacher recommendation

vocabulary related to media and techniques.

Painting Pre-AP 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

**ART III
SCULPTURE
PRE - AP**

GRADE: 11-12 CREDIT: 1

PEIMS: 03501900 KISD: 7490

PREREQUISITE: WEIGHTED: 10 pts.

Teacher recommendation

clay, plaster, cardboard, wood, etc.

This advanced 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,

HISTORY OF ART AP

GRADE: 10-12 CREDIT: 1

PEIMS: A3500100 KISD: 7543

PREREQUISITE: WEIGHTED: 10 pts.

Teacher recommendation

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. The curriculum is prescribed by the College Board for AP Classes. **AP students prepare to take the Advanced Placement Exam in May for possible**

college credit. This course is also available online at Central High School.

STUDIO ART - DRAWING PORTFOLIO AP

GRADE: 10-12 CREDIT: 1

PEIMS: A3500300 KISD: 7553

PREREQUISITE: WEIGHTED: 10 pts.

Level II Pre-AP or teacher recommendation

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. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

2 - D DESIGN PORTFOLIO AP

GRADE: 10-12 CREDIT: 1

PEIMS: A3500400 KISD: 7523

PREREQUISITE: WEIGHTED: 10 pts.

Level II Pre-AP or teacher recommendation

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. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced**

Placement Exam in May for possible college credit.

3 - D DESIGN PORTFOLIO AP

GRADE: 10-12 CREDIT: 1

PEIMS: A3500500 KISD: 7533

PREREQUISITE: WEIGHTED: 10 pts.

Level II Pre-AP or teacher recommendation

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. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced**

Placement Exam in May for possible college credit.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Available AP Exams | CTSO |
|-------------------------------|---|----------------------------------|-----------------------------------|----------------------------------|--|--------------------------------------|-------------------------|
| <i>World Languages</i> | | | | | | | |
| <i>American Sign Language</i> | <i>American Sign Language I</i> | <i>American Sign Language II</i> | <i>American Sign Language III</i> | <i>American Sign Language IV</i> | Professional Communications, Entrepreneurship, Money Matters | | Sign Language Club, UIL |
| <i>Computer Science</i> | <i>Computer Science I Pre-AP</i> | <i>Computer Science II</i> | <i>Computer Science III</i> | | | | |
| <i>Spanish</i> | <i>Foundation Language I</i> <i>*Spanish I can be taken at the 8th grade level for high school credit.</i> | <i>Foundation Language II</i> | <i>Spanish III or III Pre-AP</i> | <i>Spanish 4 AP</i> | Professional Communications, Entrepreneurship, Money Matters | Spanish Literature, Spanish Language | Spanish Club, UIL |
| <i>Native Spanish</i> | <i>Native Spanish I</i> | <i>Native Spanish II</i> | <i>Spanish 4 AP</i> | <i>Spanish 5 AP</i> | Professional Communications, Entrepreneurship, Money Matters | Spanish Literature, Spanish Language | Spanish Club, UIL |
| <i>German</i> | <i>German I</i> | <i>German II</i> | <i>German III Pre-AP</i> | <i>German IV AP</i> | Professional Communications, Entrepreneurship, Money Matters | German | German Club, UIL |
| <i>French</i> | <i>French I</i> | <i>French II</i> | <i>French III Pre-AP</i> | <i>French IV AP</i> | Professional Communications, Entrepreneurship, Money Matters | French | French Club, UIL |
| <i>Latin</i> | <i>Latin I</i> | <i>Latin II</i> | <i>Latin III Pre-AP</i> | <i>Latin IV AP</i> | Professional Communications, Entrepreneurship, Money Matters | Latin | Latin Club, UIL |

World Languages

| Course Name | Credits | Grade Levels | Prerequisites |
|----------------------------------|---------|--------------|--------------------------------|
| American Sign Language I (ASL) | 1 | 9-12 | None |
| American Sign Language II (ASL) | 1 | 9-12 | ASL I |
| American Sign Language III (ASL) | 1 | 10-12 | ASL II |
| Computer Science I | 1 | 9-12 | Algebra I |
| Computer Science II | 1 | 10-12 | Computer Science I |
| Computer Science III | 1 | 11-12 | Computer Science II |
| French I | 1 | 9-12 | None |
| French I Pre-AP | 1 | 9-12 | None |
| French II | 1 | 9-12 | French I |
| French II Pre-AP | 1 | 9-12 | French I |
| French III Pre-AP | 1 | 10-12 | French II |
| French IV AP | 1 | 11-12 | French III |
| German I | 1 | 9-12 | None |
| German I Pre-AP | 1 | 9-12 | None |
| German II | 1 | 9-12 | German I |
| German II Pre-AP | 1 | 9-12 | German I |
| German III Pre-AP | 1 | 10-12 | German II |
| German IV AP | 1 | 11-12 | German III |
| Latin I | 1 | 9-12 | None |
| Latin I Pre-AP | 1 | 9-12 | None |
| Latin II | 1 | 9-12 | Latin I |
| Latin II Pre-AP | 1 | 9-12 | Latin I |
| Latin III Pre-AP | 1 | 10-12 | Latin II |
| Latin IV AP | 1 | 11-12 | Latin III |
| Spanish I | 1 | 9-12 | None |
| Spanish I Pre-AP | 1 | 9-12 | None |
| Spanish for Native Speakers I | 1 | 9-12 | Departmental approval |
| Spanish for Native Speakers II | 1 | 10-12 | Spanish for Native Speakers I |
| Spanish for Native Speakers III | 1 | 11-12 | Spanish for Native Speakers II |
| Spanish II | 1 | 9-12 | Spanish I |
| Spanish II Pre-AP | 1 | 9-12 | Spanish I |
| Spanish III | 1 | 10-12 | Spanish II |
| Spanish III Pre-AP | 1 | 10-12 | Spanish II |
| Spanish IV AP | 1 | 11-12 | Spanish III |
| Spanish V AP | 1 | 11-12 | Spanish IV AP |

**A M E R I C A N S I G N
L A N G U A G E I (A S L)**

GRADE: 9-12 CREDIT: 1

PEIMS: 03980100 KISD: 6403

PREREQUISITE: None

Acquiring ASL incorporates expressive and receptive communication skills. Students develop these communication skills by using knowledge of the language including: grammar, culture, communication and learning strategies, technology and content from other subject areas to socialize, to acquire and provide information, to express feelings and opinions, and to get others to adopt a course of action. While knowledge of other cultures, connections to other disciplines, comparisons between languages and cultures and community interaction all contribute to and enhance the communicative language learning experience, communication skills are the primary focus of language acquisition.

**A M E R I C A N S I G N
L A N G U A G E I I (A S L)**

GRADE: 9-12 CREDIT: 1

PEIMS: 03980200 KISD: 6413

PREREQUISITE: ASL I

This course builds on the skills acquired in ASL I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills as their knowledge of the language increases.

**A M E R I C A N S I G N
L A N G U A G E I I I (A S L)**

GRADE: 10-12 CREDIT: 1

PEIMS: 03980300 KISD: 6423

PREREQUISITE: ASL II

This course builds on the skills acquired in ASL I and II. Structure and vocabulary from the previous courses will be reviewed. Students will develop more advanced skills as their knowledge of the language increases.

**C O M P U T E R S C I E N C E I
P R E - A P**

GRADE: 9-12 CREDIT: 1

PEIMS: 03580200 KISD: 8503

PREREQUISITE: Algebra I WEIGHTED: 10 pts.

This course offers an introduction to Computer Science through the development of concepts and skills associated with programming methodology, data types and structures, algorithms, social implications, and applications of computers using the JAVA language.

**C O M P U T E R S C I E N C E
I I**

GRADE: 10-12 CREDIT: 1

PEIMS: 03580300 KISD: 8504

PREREQUISITE: Computer Science I

Computer Science II 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 computer science through the study of technology operations, systems, and concepts.

**COMPUTER SCIENCE
III**

GRADE: 11-12 CREDIT: 1
PEIMS: 03580350 KISD:8510
PREREQUISITE: Computer Science II

Computer Science 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.

FRENCH I

GRADE: 9-12 CREDIT: 1
PEIMS: 03410100 KISD: 6113
PREREQUISITE: None

This course is designed as an introduction to the basic structure and vocabulary of the French language. Students begin to develop skills in speaking, listening, reading, and writing. Emphasis is placed on the development of basic vocabulary. French culture will also be introduced.

FRENCH I / PRE - AP

GRADE: 9-12 CREDIT: 1
PEIMS: 03410100 KISD: 6103
PREREQUISITE: WEIGHTED: 10 pts.
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 these skills as they are regularly tested in the AP exam format.

FRENCH II

GRADE: 9-12 CREDIT: 1
PEIMS: 03410200 KISD: 6123
PREREQUISITE: French I

This course builds on the skills acquired in French I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading and writing as their knowledge of the language increases. Linguistic practice is conducted in a cultural context.

FRENCH II / PRE - AP

GRADE: 9-12 CREDIT: 1
PEIMS: 03410200 KISD: 6173
PREREQUISITE: WEIGHTED: 10 pts.
French I, Pre-AP Placement

This course includes thematic vocabulary and expanded grammar concepts in a cultural and contextualized environment. This course builds on the skills acquired in French I as students continue to develop speaking, listening, reading, and writing. This course prepares students for French III Pre-AP as students are introduced to AP writing and literature.

FRENCH III / PRE - AP

GRADE: 10-12 CREDIT: 1
PEIMS: 03410300 KISD: 6133
PREREQUISITE: WEIGHTED: 10 pts.
French II, Pre-AP Placement

This course builds on the skills acquired in French I and French II. Structure and vocabulary from the previous courses will be reviewed. Students will develop more advanced skills in speaking, listening, reading, and writing through use of the language in the classroom. Students are introduced to French literature and communicative skills are emphasized.

FRENCH IV AP

GRADE: 11-12 CREDIT: 1

PEIMS: A3410100 KISD: 6143

PREREQUISITE: WEIGHTED: 10 pts.

French III, AP Placement

This course builds on the skills acquired in French I, II, and III. Structure and vocabulary from the first courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading, and writing. French is spoken extensively in the classroom and emphasis is placed on writing. The format of the AP exam is introduced. Students are exposed to a broader spectrum of French literature and French culture. The curriculum is prescribed by the College

Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

GERMAN I

GRADE: 9-12 CREDIT: 1

PEIMS: 03420100 KISD: 6213

PREREQUISITE: None

This course is designed as an introduction to the basic structure and vocabulary of the German language. Students begin to develop skills in speaking, listening, reading, and writing. Emphasis is placed on the development of basic vocabulary. German culture will also be introduced.

GERMAN I / PRE - AP

GRADE: 9-12 CREDIT: 1

PEIMS: 03420100 KISD: 6203

PREREQUISITE: None WEIGHTED: 10 pts.

and speaking and will utilize each of these skills as they are regularly tested in the AP exam format.

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,

GERMAN II

GRADE: 9-12 CREDIT: 1

PEIMS: 03420200 KISD: 6223

PREREQUISITE: German I

This course builds on the skills acquired in German I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading, and writing as their knowledge of the language increases. Linguistic practice is conducted in a cultural context.

GERMAN II / PRE - AP

GRADE: 9-12 CREDIT: 1

PEIMS: 03420200 KISD: 6273

PREREQUISITE: WEIGHTED: 10 pts.

German I, Pre-AP Placement

This course includes thematic vocabulary and expanded grammar concepts in cultural and contextualized environment. This course builds on the skills acquired in German I as students continue to develop speaking, listening, reading, and writing. This course prepares students for German III Pre-AP as students are introduced to AP writing and literature.

GERMAN III / PRE - AP

GRADE: 10-12 CREDIT: 1

PEIMS: 03420300 KISD: 6233

PREREQUISITE: WEIGHTED: 10 pts.

German II, Pre-AP Placement

This course builds on the skills acquired in German I and II. Structure and vocabulary from the first courses will be reviewed. Students will develop more advanced skills in speaking, listening, reading, and writing through the use of the language in the classroom. Students are introduced to German literature and communicative skills are emphasized.

GERMAN IV AP

GRADE: 11-12 CREDIT: 1

PEIMS: A3420100 KISD: 6243

PREREQUISITE: WEIGHTED: 10 pts.

German III, AP Placement

This course builds on the skills acquired in German I, II, and III. 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 emphasis is placed on writing. The format of the AP exam is introduced. Students are exposed to a

broader spectrum of German literature and German culture. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

| L A T I N I | | |
|--------------------|-------------------------------------|------------|
| GRADE: 9-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03430100 | | KISD: 6303 |
| PREREQUISITE: None | | |

This course is designed as an introduction to the basic structure and vocabulary of the Latin language. Students begin to develop skills in reading, writing, speaking, and listening. Emphasis is placed on the development of basic vocabulary and English derivatives. Classical culture and history will also be introduced.

| L A T I N I / P R E - A P | | |
|---------------------------|-------------------------------------|-------------------|
| GRADE: 9-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03430100 | | KISD: 6300 |
| PREREQUISITE: None | | |
| | | WEIGHTED: 10 pts. |

speaking and will utilize each of these skills as they are regularly tested in the AP exam format.

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 these skills as they are regularly tested in the AP exam format.

| L A T I N II | | |
|-----------------------|-------------------------------------|------------|
| GRADE: 9-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03430200 | | KISD: 6313 |
| PREREQUISITE: Latin I | | |

development.

This course builds on the skills acquired in Latin I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in reading, writing, speaking, and listening as their knowledge increases. Translation of classical authors will be conducted in a cultural context, with emphasis placed on impact of classical culture on Western thought and development.

| L A T I N II / P R E - A P | | |
|---|-------------------------------------|-------------------|
| GRADE: 9-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03430200 | | KISD: 6373 |
| PREREQUISITE: Latin I, Pre-AP Placement | | |
| | | WEIGHTED: 10 pts. |

This course includes thematic vocabulary and expanded grammar concepts in cultural and contextualized environment. This course builds on the skills acquired in Latin I as students continue to develop speaking, listening, reading, and writing. This course prepares students for Latin III Pre-AP as students are introduced to AP writing and literature.

| L A T I N III / P R E - A P | | |
|--|-------------------------------------|-------------------|
| GRADE: 10-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03430300 | | KISD: 6323 |
| PREREQUISITE: Latin II, Pre-AP Placement | | |
| | | WEIGHTED: 10 pts. |

This course builds on the skills acquired in Latin I and II. Structure and vocabulary from the first courses will be reviewed. Students will develop more advanced skills in reading, writing, speaking, and listening. Translation of classical literature will be emphasized.

| L A T I N IV A P | | |
|---------------------------------------|-------------------------------------|-------------------|
| GRADE: 11-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: A3430100 | | KISD: 6333 |
| PREREQUISITE: Latin III, AP Placement | | |
| | | WEIGHTED: 10 pts. |

This course builds on the skills acquired in Latin I, II, and III. Structure and vocabulary from the first courses will be reviewed. Students will continue to develop more advanced skills in reading, writing, speaking, and listening. The format of the AP exam is introduced. Students are exposed to a broader spectrum of classical literature, history, and culture. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced**

Placement Exam in May for possible college credit.

SPANISH I

GRADE: 9-12 CREDIT: 1

PEIMS: 03440100 KISD: 6013

PREREQUISITE: None

This course is designed as an introduction to the basic structure and vocabulary of the Spanish language. Students begin to develop skills in speaking, listening, reading, and writing. Emphasis is placed on the development of basic vocabulary. Hispanic culture will also be introduced.

SPANISH I / PRE - AP

GRADE: 9-12 CREDIT: 1

PEIMS: 03440100 KISD: 6003

PREREQUISITE: None WEIGHTED: 10 pts.

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 FOR NATIVE SPEAKERS I - III

GRADE: 9-12 CREDIT: 1 per course

PEIMS: 03440110 I KISD: 6073

PEIMS: 03440220 II KISD: 6074

PEIMS: 03440330 III KISD: 6093

PREREQUISITE: Department approval

This course is designed for students who have oral production and comprehension skills as native Spanish speakers. The course emphasis includes Hispanic culture, reading, and writing skills. Class will be conducted entirely in Spanish. Students will receive credit for Spanish I, II, or III.

SPANISH II

GRADE: 9-12 CREDIT: 1

PEIMS: 03440200 KISD: 6033

PREREQUISITE: Spanish I

This course builds on the skills acquired in Spanish I. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading and writing as their knowledge of the language increases. Linguistic practice is conducted in a cultural context.

SPANISH II / PRE - AP

GRADE: 9-12 CREDIT: 1

PEIMS: 03440200 KISD: 6083

PREREQUISITE: WEIGHTED: 10 pts.
Spanish I, Pre-AP Placement

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 Pre-AP as students are introduced to AP writing and literature.

SPANISH III

GRADE: 10-12 CREDIT: 1

PEIMS: 03440300 KISD: 6023

PREREQUISITE: Spanish II

This course is a continuation course of Spanish II. It is for those students who would like to have three years of Spanish, without ultimately pursuing the rigors of the AP Spanish classes. The important remaining grammar points are taught, but emphasis is placed on the student's ability to speak the language rather than the memorization and repetition of grammatical rules. Putting the grammar into practice in real world situations is the focus of the class. Students will learn conversational, survival skills, while they are exposed to a wide variety of cultural experiences. Students will learn a broad vocabulary from a large selection of topics and should be able to converse at an intermediate level after completing this course. The reading of short stories will help to increase the student's vocabulary and use of grammatical structures. Oral presentations, skits, and listening comprehension activities will also play an important role in the course curriculum.

SPANISH III/PRE - AP

GRADE: 10-12 CREDIT: 1

PEIMS: 03440300 KISD: 6043

PREREQUISITE: WEIGHTED: 10 pts.

Spanish II, Pre-AP Placement

This course builds on the skills acquired in Spanish I and II. Structure and vocabulary from the first courses will be reviewed. Students will develop more advanced skills in speaking, listening, reading, and writing through the use of the language in the classroom. Students are introduced to Spanish literature and communicative skills are emphasized.

SPANISH IV AP

GRADE: 11-12 CREDIT: 1

PEIMS: A3440100 KISD: 6053

PREREQUISITE: WEIGHTED: 10 pts.

Spanish III, AP Placement

This course builds on the skills acquired in Spanish I, II, and III. Structure and vocabulary from the first courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading, and writing. Spanish is spoken extensively in the classroom and emphasis is placed on writing. The format of the AP exam is introduced. Students are exposed to a broader spectrum of Spanish literature and Hispanic culture. The curriculum is prescribed by the

College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

SPANISH V AP

GRADE: 11-12 CREDIT: 1

PEIMS: A3440200 KISD: 6063



PREREQUISITE: WEIGHTED: 10 pts.

Spanish IV AP

This course builds on the skills acquired in Spanish I, II, III, and IV and prepares students for Spanish Advanced Placement Exams. Structure and vocabulary from previous courses will be reviewed. Students will continue to develop more advanced skills in speaking, listening, reading, and writing. Linguistic practice follows the format of the AP exam. Spanish is spoken exclusively in the classroom and writing assignments will be based on Spanish literature and Hispanic culture.

The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

BUSINESS & INDUSTRY

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|-------------------------------------|---|---------------------------------|--|--------------------------|--|-----------------|--|
| <i>Agriculture Science</i> | | | | | | | |
| <i>Animal Science</i> | Principles of Agriculture, Food, and Natural Resources | Veterinary Medical Applications | Advanced Animal Science | Practicum in Agriculture | Professional Communications, Entrepreneurship, Money Matters, Business Information Management, Human Resource Management, Accounting | Veterinary Tech |  FFA |
| <i>Horticulture & Landscape</i> | Principles of Agriculture, Food, and Natural Resources/ Horticulture Science | Advanced Plant Soil Science | Landscape Design and Turf Grass Management | Practicum in Agriculture | Professional Communications, Entrepreneurship, Money Matters, Business Information Management, Human Resource Management, Accounting | |  FFA |

Agriculture, Food, and Natural Resources

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|--|
| Principles of Agriculture, Food, and Natural Resources | 0.5 | 9-11 | None |
| Veterinary Medical Applications | 1 | 10-12 | Principles of Agriculture, Food, and Natural Resources |
| Advanced Animal Science | 1 | 10-12 | Biology |
| Horticulture Science | 0.5 | 9-11 | None |
| Advanced Plant & Soil Science | 1 | 10-12 | Biology |
| Landscape Design and Turf Grass Management | 1 | 10-12 | Principles of Agriculture, Food, and Natural Resources |
| Practicum in Agriculture, Food, and Natural Resources | 3 | 11-12 | Veterinary Medical Applications, Advanced Animal Science, Advanced Plant & Soil Science, or Landscape Design and Turf Grass Management |
| Mathematical Applications in Agriculture, Food, and Natural Resource | 1 | 10-12 | Algebra 1 |

**PRINCIPLES OF
AGRICULTURE,
FOOD, AND
NATURAL
RESOURCES**

GRADE: 9-11 CREDIT: .5

PEIMS: 13000200 KISD: 8100

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**

GRADE: 10-12 CREDIT: 1

PEIMS: 13000600 KISD: 8153

PREREQUISITE: None

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**

GRADE: 10-12 CREDIT: 1

PEIMS: 1307000 KISD: 8151

PREREQUISITE: Biology

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.

**LANDSCAPE DESIGN
AND TURF GRASS
MANAGEMENT**

GRADE: 10-12 CREDIT: .5

PEIMS: 13001900 KISD: 8184

PREREQUISITE: None

To be prepared for careers in horticultural systems, students need to 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. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of landscape and turf grass management

techniques and practices.

**HORTICULTURE
SCIENCE**

GRADE: 10-12 CREDIT: .5

PEIMS: 13002000 KISD: 8103

PREREQUISITE: None

To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

**M a t h e m a t i c a l
A p p l i c a t i o n s i n
A g r i c u l t u r e , F o o d ,
a n d N a t u r a l**

GRADE: 10-12 CREDIT: 1

PEIMS: 130.10000 KISD: 8163

PREREQUISITE: None

To be prepared for careers in agriculture, food, and natural resources, students must acquire technical knowledge in the discipline as well as apply academic skills in mathematics. Students should apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. To prepare for success, students are afforded opportunities to reinforce, apply, and transfer of contexts.

**A d v a n c e d P l a n t a n d
S o i l S c i e n c e**

GRADE: 10-12 CREDIT: 1

PEIMS: 130021000 KISD: 8172

PREREQUISITE: None

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. This course is designed to prepare students for careers in the food and fiber industry. Students will learn, reinforce, apply, and transfer their knowledge in a scientific setting.



**P r a c t i c u m i n
A g r i c u l t u r e , F o o d ,
a n d N a t u r a l
R e s o u r c e s**

GRADE: 10-12 CREDIT: 3

PEIMS: 13045000 KISD: 8193

PREREQUISITE: None

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. Recommended prerequisite: a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources cluster.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|--|---|-------------------------|--------------------------|--------------------------------------|--|----------------|--|
| Architecture & Construction | | | | | | | |
| <i>Interior Design</i> | Principles of Architecture & Construction | Interior Design | Advanced Interior Design | Practicum in Interior Design | Professional Communications, Entrepreneurship, Money Matters, Business Information Management, Human Resource Management, Accounting | |  FCCLA |
| <i>Construction Technology</i> | Principles of Architecture & Construction | Construction Management | Construction Technology | Practicum in Construction Management | Professional Communications, Entrepreneurship, Money Matters, Business Information Management, Human Resource Management, Accounting | NCCER |  SkillsUSA |

| Architecture and Construction | | | |
|--|------------|--------------|---|
| Course Name | Credits | Grade Levels | Prerequisites |
| Principles of Architecture and Construction | 0.5 | 9-11 | None |
| Interior Design | 1 | 10-12 | Algebra I |
| Advanced Interior Design | 1 | 11-12 | Geometry, Interior Design |
| Practicum in Interior Design | 3 | 11-12 | Advanced Interior Design |
| Construction Technology (| 2 | 10-12 | None |
| Advanced Construction Technology | 3 | 10-12 | Construction Technology |
| Practicum in Construction Management | 2 | 11-12 | Advanced Construction Technology |

**PRINCIPLES OF
ARCHITECTURE AND
CONSTRUCTION**

GRADE: 9-11 CREDIT: .5

PEIMS: 13004200 KISD: 8820

PREREQUISITE: None

This course provides an overview to the various fields of architecture, interior design, construction science, and construction technology.

INTERIOR DESIGN

GRADE: 10-12 CREDIT: 1

PEIMS: 13004300 KISD: 8822

PREREQUISITE: Algebra I

Interior Design 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.

**ADVANCED
INTERIOR DESIGN**

GRADE: 11-12 CREDIT: 1

PEIMS: 13004400 KISD: 8823

PREREQUISITE: Geometry, Interior Design

Advanced Interior Design 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.

**CONSTRUCTION
TECHNOLOGY**

GRADE: 10-12 CREDIT: 2

PEIMS: 13005100 KISD: 8825

PREREQUISITE: None

In Construction Technology, 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. Class is taught at BCTAL.

**ADVANCED
CONSTRUCTION
TECHNOLOGY**

GRADE: 10-12 CREDIT: 2

PEIMS: 13005200 KISD: 8826

PREREQUISITE: Construction Technology

In Advanced Construction Technology, students gain advanced knowledge and skills specific to those needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology and are introduced to exterior and interior finish out skills. Class is taught at BCTAL.

**PRACTICUM IN
CONSTRUCTION
MANAGEMENT I**

GRADE: 11-12 CREDIT: 2

PEIMS: 13006200 KISD: 8827

PREREQUISITE: Completion of a coherent sequence in a program area related to the field of Construction Management. Instruction may be delivered through laboratory training or through career preparation delivery arrangements.

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. Class is taught at BCTAL.




**PRACTICUM IN
INTERIOR DESIGN**

GRADE: 11-12 CREDIT: 3

PEIMS: 13045000 KISD: 8828

PREREQUISITE: Completion of a coherent sequence in a program area related to the field of Construction Management. Instruction may be delivered through laboratory training or through career preparation delivery arrangements.

This is an occupationally-specific course designed to provide classroom technical instruction. Job-specific skilled training is provided through the use of laboratory training or training plans by local training sponsors in areas compatible with identified career goals in interior design. In addition, students are expected to develop knowledge and skills described in one of the training specialization options specified in paragraph (2) or (3) of this subsection.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|-------------------------------|--|---------------------------------|---------------------------------|-------------------------------------|---|---|---|
| Communications | | | | | | | |
| <i>Animation</i> | Principles of Arts, Audio/Video Technology, and Communications | Graphic Design and Illustration | Animation | Advanced Animation | Professional Communications, Entrepreneurship, Digital & Interactive Media, Money Matters, Audio/Video Production | AutoDesk Maya, Adobe AfterEffects |  TSA, Skills USA |
| <i>Audio/Video Production</i> | Principles of Arts, Audio/Video Technology, and Communications | Audio/Video Production | Advanced Audio/Video Production | Practicum in Audio/Video Production | Professional Communications, Entrepreneurship, Business Law, Money Matters, Advertising Sales & Promotions | Adobe Premiere Pro, Adobe AfterEffects, Avid ProTools |  TSA, Skills USA |
| <i>Commercial Photography</i> | Principles of Arts, Audio/Video Technology, and Communications | Commercial Photography | Advanced Commercial Photography | Practicum in Commercial Photography | Professional Communications, Entrepreneurship, Business Law, Money Matters, Graphic Design & Illustration, Advertising Sales & Promotions | Adobe Photoshop |  SkillsUSA |

Career and Technical Education: Arts, Audio/Video Technology, and Communications

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|---|
| Principles of Arts, Audio/Video Technology, and Communications | 0.5 | 9-10 | None |
| Audio/Video Production | 1 | 10-12 | None |
| Advanced Audio/Video Production | 2 | 11-12 | Audio/Video Production |
| Practicum in Audio/Video Production | 2 | 11-12 | Advanced Audio/Video Production, Advanced Animation |
| Fashion Design | 1 | 10-12 | None |
| Advanced Fashion Design | 2 | 11-12 | Fashion Design |
| Graphic Design and Illustration | 1 | 10-12 | None |
| Advanced Graphic Design and Illustration | 2 | 12 | Graphic Design and Illustration |
| Animation | 1 | 10-12 | Graphic Design and Illustration or Art I |
| Advanced Animation | 2 | 11-12 | Animation |
| Commercial Photography | 1 | 10-12 | None |
| Advanced Commercial Photography | 2 | 11-12 | Commercial Photography |
| Practicum in Fashion Design | 3 | 11-12 | Advanced Fashion Design |

| | | | |
|---|----------|--------------|---|
| Practicum in Graphic Design and Illustration | 3 | 11-12 | Advanced Graphic Design and Illustration |
| Practicum in Commercial Photography | 3 | 11-12 | Advanced Commercial Photography |

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS

GRADE: 9-11 CREDIT: .5

PEIMS: 13008200 KISD: 8700

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.

AUDIO/VIDEO PRODUCTION

GRADE: 10-12 CREDIT: 1

PEIMS: 13008500 KISD: 8701

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.

ADVANCED AUDIO/VIDEO PRODUCTION

GRADE: 11-12 CREDIT: 2

PEIMS: 13008600 KISD: 8702

PREREQUISITE: Audio/Video Production

audio and video.

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 both

PRACTICUM IN AUDIO/VIDEO PRODUCTION

GRADE: 11-12 CREDIT: 2

PEIMS: 13008700 KISD: 8716

PREREQUISITE: Advanced Audio/Video Production

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 and video, or animation format.

FASHION DESIGN

GRADE: 10-12 CREDIT: 1

PEIMS: 13009300 KISD: 8710

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 and the textile and apparel industries.

ADVANCED FASHION DESIGN

GRADE: 11-12 CREDIT: 2

PEIMS: 13009400 KISD: 8711

PREREQUISITE: Fashion Design

Careers in fashion span all aspects of the textile and apparel industries. 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 fashion, with emphasis on design and production.

PRACTICUM IN FASHION DESIGN

GRADE: 11-12 CREDIT: 2

PEIMS: 13008700 KISD: 8711

PREREQUISITE: Advanced Audio/Video Production

preparation opportunities.

Careers in fashion span all aspects of the textile and apparel industries. 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 technical understanding of the business aspects of fashion, with emphasis on promotion and retailing. Instruction may be delivered through lab-based classroom experiences or career

GRAPHIC DESIGN AND ILLUSTRATION

GRADE: 10-12 CREDIT: 1

PEIMS: 13008800 KISD: 8708

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 and principles of visual art and design.

ADVANCED GRAPHIC DESIGN AND ILLUSTRATION

GRADE: 11-12 CREDIT: 2

PEIMS: 13008900 KISD: 8709

PREREQUISITE: Graphic Design and Illustration

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. 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 mastery of content knowledge and skills.

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION

GRADE: 11-12 CREDIT: 2

PEIMS: 13009000 KISD: 8718

PREREQUISITE: Advanced Audio/Video Production

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.

A N I M A T I O N

| | |
|--|------------|
| GRADE: 10-12 | CREDIT: 1 |
| PEIMS: 13008300 | KISD: 8706 |
| PREREQUISITE: Graphic Design and Illustration or Art I | |

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 and the textile and apparel industries.

**A D V A N C E D
A N I M A T I O N**

| | |
|-------------------------|------------|
| GRADE: 11-12 | CREDIT: 2 |
| PEIMS: 13008400 | KISD: 8707 |
| PREREQUISITE: Animation | |

Careers in fashion span all aspects of the textile and apparel industries. 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 fashion, with emphasis on design and production.

**C O M M E R C I A L
P H O T O G R A P H Y**

| | |
|--------------------|------------|
| GRADE: 10-12 | CREDIT: 1 |
| PEIMS: 13009100 | KISD: 8712 |
| PREREQUISITE: None | |

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. 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 commercial photography industry with a focus on creating quality photographs.

**A D V A N C E D
C O M M E R C I A L
P H O T O G R A P H Y**







| | |
|--------------------------------------|------------|
| GRADE: 11-12 | CREDIT: 2 |
| PEIMS: 13009200 | KISD: 8715 |
| PREREQUISITE: Commercial Photography | |

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. 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 commercial photography industry with a focus on creating quality photographs.

**P R A C T I C U M I N
C O M M E R C I A L
P H O T O G R A P H Y**

| | |
|---|------------|
| GRADE: 11-12 | CREDIT: 2 |
| PEIMS: 13009000 | KISD: 8719 |
| PREREQUISITE: Advanced Audio/Video Production | |

Careers in commercial photography 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.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|-----------------------------|--|-----------------------------------|-----------------------------------|----------------------------------|---|------------------|---|
| <i>Business</i> | | | | | | | |
| <i>Business Information</i> | Principles of Business, Marketing, & Finance | Business Information Management 1 | Business Information Management 2 | Practicum in Business Management | Professional Communications, Entrepreneurship, Business Law, Money Matters, Accounting, Retailing & E-Tailing | MOS |   BPA, FBLA |
| <i>Business Management</i> | Principles of Business, Marketing, & Finance | Global Business | Business Management | Practicum in Business Management | Professional Communications, Entrepreneurship, Business Law, Money Matters, Advertising Sales & Promotions, Retailing & E-Tailing, Human Resource Management, Accounting | Customer Service |   BPA, FBLA |
| <i>General Business</i> | Principles of Business, Marketing, & Finance | Business Information Management 1 | Accounting 1 | Practicum in Business Management | Professional Communications, Entrepreneurship, Business Law, Money Matters, Advertising Sales & Promotions, Retailing & E-Tailing, Human Resource Management, Global Business | MOS |   BPA, FBLA |

Business Management and Administration

| Course Name | Credits | Grade Levels | Prerequisites |
|---|------------|--------------|---|
| Principles of Business, Marketing, and Finance | 0.5 | 9-11 | None |
| Touch System Data Entry | 0.5 | 9-12 | None |
| Business Information Management I | 1 | 9-12 | None |
| Business Information Management II | 1 | 10-12 | Business Information Management I |
| Human Resources Management | 0.5 | 10-12 | Principles of Business, Marketing, and Finance |
| Business Law | 0.5 | 10-12 | Principles of Business, Marketing, and Finance |
| Virtual Business | 0.5 | 10-12 | Principles of Business, Marketing, and Finance |
| Global Business | 0.5 | 10-12 | Principles of Business, Marketing, and Finance |
| Business Management | 1 | 10-12 | Principles of Business, Marketing, and Finance |
| Business English | 1 | 12 | English III |
| Practicum in Business Management | 3 | 12 | 2 years of business courses |

**PRINCIPLES OF
BUSINESS,
MARKETING, AND
FINANCE**

GRADE: 9-11 CREDIT: .5

PEIMS: 13011200 KISD: 8300

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.

**TOUCH SYSTEM
DATA ENTRY**

GRADE: 9-12 CREDIT: .5

PEIMS: 13011300 KISD: 8301

PREREQUISITE: None

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents.

**BUSINESS
INFORMATION
MANAGEMENT I**

GRADE: 9-12 CREDIT: 1

PEIMS: 13011400 KISD: 8302

PREREQUISITE: None

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**

GRADE: 10-12 CREDIT: 1

PEIMS: 13011500 KISD: 8303

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.

**HUMAN RESOURCES
MANAGEMENT**

GRADE: 10-12 CREDIT: .5

PEIMS: 13011900 KISD: 8307

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 human resources management, which include recruitment, selection, training, development, and compensation. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of human resources in order to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, financial, ethical, and international dimensions of business to make appropriate human resources decisions.

BUSINESS LAW

GRADE: 10-12 CREDIT: .5

PEIMS: 13011700 KISD: 8304

PREREQUISITE: Principles of Business, Marketing,
and Finance

Students analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business, organizations, concept of agency and employment, and real property. Students apply technical skills to address business applications of contemporary legal issues.

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.

V I R T U A L B U S I N E S S

GRADE: 10-12 CREDIT: .5
PEIMS: 13012000 KISD: 8308
PREREQUISITE: Principles of Business, Marketing,
and Finance

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. Students will be able to identify steps needed to locate customers, set fees, and develop client contracts. Students will be able to provide administrative, creative, and technical services using advanced technological modes of communication and data delivery. The student builds a functional website that incorporates the essentials of a virtual business.

G L O B A L B U S I N E S S

GRADE: 10-12 CREDIT: .5
PEIMS: 13011800 KISD: 8305
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.

B U S I N E S S M A N A G E M E N T

GRADE: 10-12 CREDIT: 1
PEIMS: 13012100 KISD: 8306
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.

P R A C T I C U M I N B U S I N E S S M A N A G E M E N T

GRADE: 12 CREDIT: 3
PEIMS: 13012200 KISD: 8435
PREREQUISITE: 2 years 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 economical, 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.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|----------------|-----|------|------|------|-----------------------|----------------|------|
| <i>English</i> | | | | | | | |

| | | | | | | | |
|-----------------------------|-----------------------------|---------------------------------|----------------------------------|-----------------------------------|---|--|-----------|
| <i>Debate</i> | Debate I | Debate II | Oral Interpretation I | Debate III | Professional Communications, Creative Writing, Money Matters | | Forensics |
| <i>Broadcast Journalism</i> | Journalism/ Photojournalism | Advanced Broadcast Journalism I | Advanced Broadcast Journalism II | Advanced Broadcast Journalism III | Independent Study in Journalism | | |
| <i>Newspaper</i> | Journalism/ Photojournalism | Newspaper I | Newspaper II | Newspaper III | Independent Study in Journalism, Professional Communications, Entrepreneurship, Money Matters | | |
| <i>Yearbook</i> | Journalism/ Photojournalism | Yearbook I | Yearbook II | Yearbook III | Independent Study in Journalism, Professional Communications, Entrepreneurship, Money Matters | | |

| Communications | | | |
|--|--------------|--------------|--|
| Course Name | Credits | Grade Levels | Prerequisites |
| Journalism | 0.5-1 | 9-12 | None |
| Photojournalism | .5 | 9-12 | None |
| Independent Study in Journalism | .5 | 9-12 | None |
| Newspaper I, II, III | 1 | 10-12 | Journalism I and teacher approval |
| Yearbook I, II, III | 1 | 10-12 | Journalism I and teacher approval |
| Advanced Broadcast Journalism I-III | 1 | 9-12 | Journalism I and teacher approval |
| Debate I-III | 1 | 9-12 | Teacher Approval |
| Oral Interpretation I | 1 | 9-12 | Teacher Approval/Audition |

JOURNALISM

GRADE: 9-12 CREDIT: .5-1

KISD:

PEIMS: 03230100 1303/1304

PREREQUISITE: None

Students enrolled in Journalism write in a variety of forms for a variety of audiences and purposes. High school students enrolled in this course are expected to plan, draft, and complete written compositions on a regular basis, carefully examining their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Journalism, students are expected to write in a variety of forms and for a variety of audiences and purposes. Students will become analytical consumers of media and technology to enhance their communication skills. Published work 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 Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing.

PHOTOJOURNALISM

GRADE: 9-12 CREDIT: .5

PEIMS: 03230800 KISD: 1371

PREREQUISITE: None

This semester course provides basic introduction in camera techniques, darkroom techniques, and photocomposition. Students with high achievement may be selected for publication staffs.

INDEPENDENT STUDY IN JOURNALISM

GRADE: 9-12 CREDIT: .5

PEIMS 03231000 KISD: 1363

PREREQUISITE: None

Students enrolled in Independent Study in Journalism write in a variety of forms for a variety of audiences and purposes. High school students enrolled in this course are expected to plan, draft, and complete written 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. Students will become analytical consumers of media and technology to enhance their communication skills. Published work 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 Independent Study in Journalism will refine and enhance their journalistic skills, research self-selected topics, plan, organize, and prepare a project(s).

ADVANCED JOURNALISM - NEWSPAPER I - III

GRADE: 10-12 CREDIT: 1

PEIMS: 03230140 I KISD: 13331

PEIMS: 03230150 II KISD: 13332

PEIMS: 03230160 III KISD: 13333

PREREQUISITE: Journalism I and teacher approval

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**

| | |
|---|-----------------|
| GRADE: 10-12 | CREDIT: 1 |
| PEIMS: 03230110 | I KISD: 13531 |
| PEIMS: 03230120 | II KISD: 13532 |
| PEIMS: 03230130 | III KISD: 13533 |
| PREREQUISITE: Journalism I and teacher approval | |

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**

| | |
|---|-------------|
| GRADE: 10-12 | CREDIT: 1 |
| PEIMS: 03231900 | KISD: 1313 |
| PEIMS: 03231901 | KISD: 13231 |
| PEIMS: 03231902 | KISD: 13232 |
| PREREQUISITE: Journalism I and teacher approval | |

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



| | |
|--------------------------------|------------|
| GRADE: 9-12 | CREDIT: 1 |
| PEIMS: 03240600 | KISD: 1403 |
| PEIMS: 03240700 | KISD: 1413 |
| PEIMS: 03240800 | KISD: 1423 |
| PREREQUISITE: Teacher Approval | |



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
PRESENTATION I**

| | |
|---|------------|
| GRADE: 9-12 | CREDIT: 1 |
| PEIMS: 03240200 | KISD: 1462 |
| PREREQUISITE: Teacher Approval/Audition | |

Literature and its presentation are integral to understanding the cultural aspects of a society. Students in Oral Interpretation I, II, III 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.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|-------------------|---|--------------|--------------|--|---|----------------|---|
| <i>Accounting</i> | | | | | | | |
| <i>Accounting</i> | Principles of Business Marketing & Finance | Accounting 1 | Accounting 2 | Practicum in Business Management | Professional Communications, Entrepreneurship, Business Law, Money Matters, Business Information Management, Human Resource Management, Accounting | |   BPA, FBLA |

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|----------------|---|---|--------------------|--|--|----------------|---|
| <i>Finance</i> | | | | | | | |
| <i>Finance</i> | Principles of Business, Marketing, & Finance | Banking and Financial Services/ Securities & Investments | Financial Analysis | Practicum in Business Management | Professional Communications, Entrepreneurship, Business Law, Money Matters, Accounting, Retailing & E-Tailing | |   BPA, FBLA |

Accounting and Finance

| Course Name | Credits | Grade Levels | Prerequisites |
|---|---------|--------------|---|
| Principles of Business, Marketing, and Finance | 0.5 | 9-11 | None |
| Money Matters | 0.5 | 9-12 | Principles of Business, Marketing, and Finance |
| Banking and Financial Systems | 0.5 | 10-12 | Principles of Business, Marketing, and Finance |
| Securities and Investments | 0.5 | 10-12 | Principles of Business, Marketing, and Finance |
| Accounting I | 1 | 10-12 | Principles of Business, Marketing, and Finance |
| Accounting II | 1 | 11-12 | Principles of Business, Marketing, and Finance and Accounting I |

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE

GRADE: 9-11 CREDIT: .5

PEIMS: 13011200 KISD: 8300

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 good 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.

MONEY MATTERS

GRADE: 9-12 CREDIT: .5

PEIMS: 13016200 KISD: 8403

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.

BANKING AND FINANCIAL SERVICES

GRADE: 10-12 CREDIT: .5

PEIMS: 13016300 KISD: 8404

PREREQUISITE: Principles of Business, Marketing,
and Finance

Students develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of banking to become competent consumers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

SECURITIES AND INVESTMENTS

GRADE: 10-12 CREDIT: .5

PEIMS: 13016400 KISD: 8405

PREREQUISITE: Principles of Business, Marketing,
and Finance

Students will describe and abide by laws and regulations in order to manage business operations and transactions in the securities industry; access, process, maintain, evaluate, and disseminate information to assist in making decisions common to the securities industry; and monitor, plan, and control day to day securities organization activities to ensure continued business functioning. Students will use career planning concepts, tools, and strategies to explore, obtain, and

develop a career in the securities industry. Students will determine client needs and wants and respond through planned, personalized communication to influence purchase decisions and enhance future securities sales opportunities.

ACCOUNTING I

GRADE: 10-12 CREDIT: 1

PEIMS: 13016600 KISD: 8407

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

GRADE: 11-12 CREDIT: 1

PEIMS: 13016700 KISD: 8408

PREREQUISITE: Principles of Business, Marketing,
and Finance and 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.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|---|--|------------------------------------|--------------------|---------------------------------|---|------------------|---------------|
| <i>Marketing</i> | | | | | | | |
| <i>Fashion Marketing</i> | Principles of Business, Marketing, & Finance | Fashion Marketing | Marketing Dynamics | Practicum in Marketing Dynamics | Professional Communications, Entrepreneurship, Business Law, Money Matters, Advertising Sales & Promotions, Retailing & E-Tailing, Human Resource Management, Global Business | Customer Service | DECA ODECA |
| <i>Sports and Entertainment Marketing</i> | Principles of Business, Marketing, & Finance | Sports and Entertainment Marketing | Marketing Dynamics | Practicum in Marketing Dynamics | Professional Communications, Entrepreneurship, Business Law, Money Matters, Advertising Sales & Promotions, Retailing & E-Tailing, Human Resource Management, Global Business | Customer Service | DECA ODECA |

Career and Technical Education: Marketing

| Course Name | Credits | Grade Levels | Prerequisites |
|--|---------|--------------|--|
| Principles of Business, Marketing, and Finance | 0.5 | 9-11 | None |
| Retailing and E-tailing | 0.5 | 10-12 | Principles of Business, Marketing, and Finance |
| Sports and Entertainment Marketing | 0.5 | 10-12 | Principles of Business, Marketing, and Finance |
| Entrepreneurship | 0.5 | 10-12 | None |
| Advertising and Sales Promotion | 0.5 | 10-12 | Principles of Business, Marketing, and Finance |
| Fashion Marketing | 0.5 | 10-12 | Principles of Business, Marketing, and Finance |
| Marketing Dynamics | 2 | 11-12 | Principles of Business, Marketing, and Finance |
| Practicum in Marketing Dynamics | 3 | 12 | Marketing Dynamics |

**PRINCIPLES OF
BUSINESS,
MARKETING, AND
FINANCE**

GRADE: 9-11 CREDIT: .5

PEIMS: 13011200 KISD: 8300

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.

**RETAILING AND
E-TAILING**

GRADE: 10-12 CREDIT: .5

PEIMS: 13034500 KISD: 8506

PREREQUISITE: Principles of Business, Marketing,
and Finance

Students will have the opportunity to develop skills that involve electronic media techniques necessary for a business to compete in a global economy. Students will coordinate online and offline marketing. Students will demonstrate critical thinking skills using decision making models, case studies, various technologies, and business scenarios.

**SPORTS AND
ENTERTAINMENT
MARKETING**

GRADE: 10-12 CREDIT: .5

PEIMS: 13034600 KISD: 8507

PREREQUISITE: Principles of Business, Marketing,
and Finance

evaluation and management techniques.

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

ENTREPRENEURSHIP

GRADE: 10-12 CREDIT: .5

PEIMS: 13034400 KISD: 8505

PREREQUISITE: None

products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit.

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

**ADVERTISING AND
SALES PROMOTION**

GRADE: 10-12 CREDIT: .5

PEIMS: 13034200 KISD: 8501

PREREQUISITE: Principles of Business, Marketing,
and Finance

can be used to reach target audiences and increase consumer knowledge.

Advertising and Sales Promotion 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

**FASHION
MARKETING**

GRADE: 10-12 CREDIT: .5

PEIMS: 13034300 KISD: 8502

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.

**M A R K E T I N G
D Y N A M I C S**

GRADE: 11-12 CREDIT: 2

PEIMS: 13034700 KISD: 8508

PREREQUISITE: Principles of Business, Marketing,
and Finance

Marketing is a series of dynamic 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.


**P R A C T I C U M I N
M A R K E T I N G
D Y N A M I C S**

GRADE: 12 CREDIT: 3

PEIMS: 13034800 KISD: 8509

PREREQUISITE: Marketing Dynamics

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.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|--|---|--|-----------------------------------|--|---|----------------------------|---|
| <i>Transportation, Distribution, & Logistics</i> | | | | | | | |
| <i>Automotive Technology</i> | Principles of Transportation, Distribution, & Logistics | Energy, Power, and Transportation Systems, | Automotive Technology 1 | Automotive Technology 2 | Practicum, Professional Communications, Entrepreneurship, Business Law, Money Matters | ASE |  SkillsUSA |
| <i>Aircraft Maintenance</i> | Principles of Transportation, Distribution, & Logistics | Energy, Power, and Transportation Systems, | Aircraft Technology Dual | Advanced Aircraft Technology Dual | Practicum, Professional Communications, Entrepreneurship, Business Law, Money Matters | | |
| <i>Transportation, Distribution, & Logistics</i> | Principles of Transportation, Distribution, & Logistics | Energy, Power, and Transportation Systems, | Transportation Systems Management | Logistics, Planning & Management Systems | Practicum, Professional Communications, Entrepreneurship, Business Law, Money Matters | Transportation & Logistics | |

| Transportation, Distribution, and Logistics | | | |
|---|------------|--------------|---|
| Course Name | Credits | Grade Levels | Prerequisites |
| Principles of Transportation, Distribution & Logistics | 0.5 | 9-11 | None |
| Energy, Power & Transportation Systems | 0.5 | 10-12 | Principles of Transportation, Distribution & Logistics |
| Transportation Systems Management | 1 | 9-12 | None |
| Logistics, Plan & Management Systems | 2 | 10-12 | None |
| Aircraft Technology Dual | 2 | 11-12 | None |
| Advanced Aircraft Technology Dual | 3 | 11-12 | Aircraft Technology |
| Automotive Technology | 2 | 11-12 | None |
| Advanced Automotive Technology | 3 | 12 | Automotive Technology |
| Practicum in Transportation, Distribution and Logistics | 3 | 12 | 2 years of Transportation and Logistics courses |

**PRINCIPLES OF
TRANSPORTATION,
DISTRIBUTION &
LOGISTICS**

GRADE: 9-11 CREDIT: .5

PEIMS: 13039200 KISD: 8772

PREREQUISITE: None

In Principles of Transportation, Distribution, and Logistics, students gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the logistics of warehousing and transportation systems. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation, distribution, and logistics industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

**ENERGY, POWER &
TRANSPORTATION
SYSTEMS**

GRADE: 10-12 CREDIT: .5

PEIMS: 13039300 KISD: 8771

PREREQUISITE: Principles of Transportation,
Distribution & Logistics

technologies used in order to provide products and services in a timely manner. The increasing demand for employees will provide growth potential.

The businesses and industries of the Transportation, Distribution, and Logistics cluster are rapidly expanding to provide new career opportunities. Students will need to understand the interaction between various vehicle systems, the logistics used to move goods and services to consumers, and the components of transportation infrastructure. Performance requirements will include academic and technical skills. Students prepared to meet the expectations of employers in this industry must be able to interact and relate to others and understand the

**TRANSPORTATION
SYSTEMS
MANAGEMENT**

GRADE: 9-12 CREDIT: 1

PEIMS: 13040200 KISD: 8844

PREREQUISITE: None

In Transportation Systems Management, students gain knowledge and skills in material handling and distribution and proper application, design, and production of technology as it relates to the transportation, distribution, and logistics industries. This course includes the safe operation of tractor-trailers, fork lifts, and related heavy equipment. The course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

**LOGISTICS, PLAN &
MANAGEMENT
SYSTEMS**

GRADE: 10-12 CREDIT: 2

PEIMS: 13040300 KISD: 8845

PREREQUISITE: None

This course is designed to provide training for entry-level employment in the Logistics, Planning, and Management Systems. This course focuses on the business planning and management aspects of transportation, distribution, and logistics. To prepare for success, students will learn, reinforce, experience, apply, and transfer their knowledge and skills and technologies in a variety of settings.

**AIRCRAFT
TECHNOLOGY DUAL**

GRADE: 11-12 CREDIT: 2

PEIMS: 13039400 KISD: 8840

PREREQUISITE: None

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.

**ADVANCED
AIRCRAFT
TECHNOLOGY DUAL**

GRADE: 12 CREDIT: 3

PEIMS: 13039500 KISD: 8841

PREREQUISITE: Aircraft Technology

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.

**AUTOMOTIVE
TECHNOLOGY**

GRADE: 11-12 CREDIT: 2

PEIMS: 13039600 KISD: 8842

PREREQUISITE: None

This course is designed to include knowledge of the function of the major automotive systems and the principles of diagnosing and services these systems. In Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis 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 the theory of operation of automotive vehicle systems and associated repair practices. Class is taught at BCTAL.

**ADVANCED
AUTOMOTIVE
TECHNOLOGY**

GRADE: 12 CREDIT: 3

PEIMS: 13039700 KISD: 8843

PREREQUISITE: Automotive Technology

This course is designed to include advanced knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. In Advanced Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis 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 the theory of operation of automotive vehicle systems and associated

repair practices. Class is taught at BCTAL.

**PRACTICUM IN
TRANSPORTATION,
DISTRIBUTION &
LOGISTICS**


GRADE: 12 CREDIT: 3

PEIMS: 13040400 KISD: 8777

PREREQUISITE: 2 Years of Transportation Courses

The 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.

PUBLIC SERVICE ENDORSEMENT

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|---------------------------------|------------------------------------|------------------------------|---|-------------------------------------|--|------------------|---|
| <i>Education & Training</i> | | | | | | | |
| <i>Education & Training</i> | Principles of Education & Training | Human Growth and Development | Instructional Practices in Education and Training | Practicum in Education and Training | Professional Communications, Entrepreneurship, Child Development, Child Guidance, Money Matters, Lifetime Nutrition & Wellness | Educational Aide |  TAFE |

| Education and Training | | | |
|--|------------|--------------|--|
| Course Name | Credits | Grade Levels | Prerequisites |
| Principles of Education and Training | 0.5 | 9-11 | None |
| Human Growth and Development | 1 | 10-12 | Principles of Education and Training |
| Instructional Practices in Education and Training | 1 | 11-12 | Principles of Education and Training and Human Growth and Development |
| Practicum in Education and Training | 3 | 12 | Principles of Education and Training, Human and Growth and Development, and Instructional Practices in Education and Training |

**PRINCIPLES OF
EDUCATION AND
TRAINING**

GRADE: 9-11 CREDIT: .5

PEIMS: 13014200 KISD: 8058

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.

**HUMAN GROWTH
AND DEVELOPMENT**

GRADE: 10-12 CREDIT: 1

PEIMS: 13014300 KISD: 8051

PREREQUISITE: Principles of Education and
Training

Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in Developmental Psychology or Human Development.

**INSTRUCTIONAL
PRACTICES IN
EDUCATION AND
TRAINING**

GRADE: 11-12 CREDIT: 1

PEIMS: 13014400 KISD: 8052

PREREQUISITE: Principles of Education and
Training and Human Growth and Development

record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

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

**PRACTICUM IN
EDUCATION AND
TRAINING**

GRADE: 12 CREDIT: 3

PEIMS: 13014500 KISD: 8055

PREREQUISITE: Principles of Education and
Training, Human Growth and Development, and
Instructional Practices in Education and Training

arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

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

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|---|--|--------------------------------------|-------------------------|---|---|----------------|------|
| Government & Public Administration | | | | | | | |
| <i>Political Science</i> | Principles of Government & Public Administration | Political Science 1 | Political Science 2 | Practicum in Local, State, & Federal Government | Professional Communications, Entrepreneurship, Business Law, Retailing & E-tailing, Business Management | | |
| <i>Planning & Governance</i> | Principles of Government & Public Administration | Public Management and Administration | Planning and Governance | Practicum in Local, State, & Federal Government | Professional Communications, Entrepreneurship, Business Law, Retailing & E-tailing, Business Management | | |

| Government and Public Administration | | | |
|---|------------|--------------|--|
| Course Name | Credits | Grade Levels | Prerequisites |
| Principles of Government and Public Administration | 0.5 | 9-11 | None |
| Political Science I | 1 | 10-12 | Principles of Government and Public Administration |
| Political Science II | 2 | 11-12 | Political Science I |
| Public Management and Administration | 1 | 10-12 | Principles of Government and Public Administration |
| Planning and Governance | 1 | 10-12 | Principles of Government and Public Administration |
| Practicum in Local, State, Federal Government | 3 | 12 | 2 years of Government and Public Administration courses |

**PRINCIPLES OF
GOVERNMENT AND
PUBLIC
ADMINISTRATION**

GRADE: 9-11 CREDIT: .5

PEIMS: 13018200 KISD: 8850

PREREQUISITE: None

Government and Public Administration introduces students to foundations of governmental functions and career opportunities within the United States. Students will examine governmental documents such as the United States Constitution and the Bill of Rights.

**POLITICAL
SCIENCE I**

GRADE: 10-12 CREDIT: 1

PEIMS: 13018300 KISD: 8851

PREREQUISITE: Principles of Government, Public Administration

This course will familiarize the student with political theory through the study of governments; public policies; and political processes, systems, and behavior.

**POLITICAL
SCIENCE II**

GRADE: 10-12 CREDIT: .2

PEIMS: 13018400 KISD: 8852

PREREQUISITE: Political Science I

This course uses a variety of methodological approaches to examine the process, systems, and political dynamics of the United States and other nations. The dynamic component of this course includes current United States and world events.

**PUBLIC
MANAGEMENT AND
ADMINISTRATION**

GRADE: 10-12 CREDIT: 1

PEIMS: 13018600 KISD: 8853

PREREQUISITE: Principles of Government, Public Administration

Public Management and Administration considers that governments and nonprofit administration resemble private-sector management. Students are introduced to management tools that maximize the effectiveness of administrators and affect the quality of life of citizens in the community.

**PLANNING AND
GOVERNANCE**

GRADE: 10-12 CREDIT: .1

PEIMS: 13018700 KISD: 8854

PREREQUISITE: Principles of Government, Public Administration

Planning and Governance provides the opportunity for students to formulate plans and policies to meet social, economic, and physical needs of communities.


**PRACTICUM OF
LOCAL, STATE,
FEDERAL
GOVERNMENT**

GRADE: 12 CREDIT: .3

PEIMS: 13019000 KISD: 8855

PREREQUISITE: 2 years of Government and Public Administration courses

Students concurrently learn advanced concepts of political science in the classroom setting. In addition, students will apply technical skills pertaining to government and public administration in a direct mentorship by individuals in professional settings such as government, public management and administration, national security, municipal planning, Foreign Service, revenue, taxation, and regulation.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|------------------------|------------------------------|---------------------|------------------|-----------------------------|--|----------------|---|
| <i>Health Sciences</i> | | | | | | | |
| <i>Health Science</i> | Principles of Health Science | Medical Terminology | Health Science 1 | Practicum in Health Science | Professional Communications, Entrepreneurship, Child Development, Child Guidance, Money Matters, Human Growth & Development, Lifetime Nutrition & Wellness | Pharmacy Tech |  HOSA |

| Health Science | | | |
|--|---------|--------------|--|
| Course Name | Credits | Grade Levels | Prerequisites |
| Principles of Health Science | 0.5 | 9-11 | None |
| Medical Terminology | 0.5 | 9-12 | None |
| Health Science | 1-2 | 10-12 | Principles of Health Science, Biology, and Medical Terminology |
| Practicum in Health Science – Clinical Rotations | 3 | 11-12 | Health Science, Biology, and Application Process |
| Practicum in Health Science – CNA (Certified Nurses Assistant) | 3 | 11-12 | Health Science, Biology, and Application Process |
| Practicum in Health Science – Pharmacy Tech | 3 | 12 | Health Science, Biology, and Application Process |

PRINCIPLES OF
HEALTH SCIENCE

GRADE: 9-11 CREDIT: .5

PEIMS: 13020200 KISD: 8290

PREREQUISITE: None

The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

MEDICAL
TERMINOLOGY

GRADE: 9-12 CREDIT: .5

PEIMS: 13020300 KISD: 8291

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

GRADE: 10-12 CREDIT: 1-2

PEIMS: 13020400 KISD: 8292

PREREQUISITE: Principles of Health Science,
Biology

The Health Science 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.

PRACTICUM IN
HEALTH SCIENCE –
CLINICAL ROTATION

GRADE: 11-12 CREDIT: 3

PEIMS: 13020500 KISD: 8297

PREREQUISITE: Principles of Health Science,
Health Science, Biology, and Application Process

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. Class is taught at KHS. *Students are responsible for providing their own transportation.*

PRACTICUM IN
HEALTH SCIENCE -
CNA

GRADE: 11-12 CREDIT: 3

PEIMS: 13020500 KISD: 8293

PREREQUISITE: Principles of Health Science,
Health Science, Biology, and Application Process

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. Class is taught at CHS. *Students are responsible for providing their own transportation.*

PRACTICUM IN
HEALTH SCIENCE –
PHARMACY TECH

GRADE: 12 CREDIT: 3

PEIMS: 13020500 KISD: 8294

PREREQUISITE: Principles of Health Science,
Health Science, Biology, and Application Process

The Practicum in Health Sciences is designed to give students 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. Class is taught at CHS. *Students are responsible for providing their own transportation.*

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|--|---------------------------------------|-------------------------------|-----------------------------|-----------------------------------|---|----------------------------|-------|
| Hospitality & Tourism | | | | | | | |
| <i>Culinary Arts</i> | Principles of Hospitality and Tourism | Lifetime Nutrition & Wellness | Culinary Arts 1 | Practicum in Culinary Arts | Professional Communications, Entrepreneurship, Business Law, Restaurant Management, Business Management | ServSafe, Customer Service | FCCLA |
| <i>Travel & Tourism Management</i> | Principles of Hospitality and Tourism | Hotel Management | Travel & Tourism Management | Practicum in Hospitality Services | Professional Communications, Entrepreneurship, Business Law, Restaurant Management, Business Management | Customer Service | FCCLA |

| Hospitality and Tourism | | | |
|--|------------|--------------|---|
| Course Name | Credits | Grade Levels | Prerequisites |
| Principles of Hospitality and Tourism | 0.5 | 9-11 | None |
| Lifetime Nutrition and Wellness | 0.5 | 9-11 | None |
| Restaurant Management | 0.5 | 10-12 | Principles of Hospitality and Tourism |
| Culinary Arts | 1 | 10-12 | Principles of Hospitality and Tourism |
| Practicum in Culinary Arts | 2 | 12 | Culinary Arts I |
| Hotel Management | 0.5 | 10-12 | Principles of Hospitality and Tourism |
| Travel and Tourism Management | 0.5 | 10-12 | Principles of Hospitality and Tourism |
| Practicum in Hospitality Services | 3 | 12 | 2 years of Hospitality and Tourism courses |

**PRINCIPLES OF
HOSPITALITY AND
TOURISM**

GRADE: 9-11 CREDIT: .5

PEIMS: 13022200 KISD: 8040

PREREQUISITE: None

extracurricular organizations.

The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and food and beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or

**LIFETIME
NUTRITION AND
WELLNESS**

GRADE: 9-12 CREDIT: .5

PEIMS: 13024500 KISD: 8042

PREREQUISITE: None

This laboratory course allows students to use principles of lifetime wellness and nutrition 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.

**RESTAURANT
MANAGEMENT**

GRADE: 10-12 CREDIT: .5

PEIMS: 13022400 KISD: 8044

PREREQUISITE: Principles of Hospitality and Tourism

This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operations of a well-run restaurant. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CULINARY ARTS

GRADE: 10-12 CREDIT: 1

PEIMS: 13022600 KISD: 8046

PREREQUISITE: Principles of Hospitality and Tourism

organizations and other leadership or extracurricular organizations.

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 certification, a Texas culinary specialist certification, or any other appropriate industry certification. This course may be offered as a laboratory-based or internship course. Students are encouraged to participate in extended learning experiences such as career and technical student

**PRACTICUM IN
CULINARY ARTS**

GRADE: 12 CREDIT: 3

PEIMS: 13022700 KISD: 8047

PREREQUISITE: Culinary Arts

with a variety of skills in a fast changing workplace.

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

**HOTEL
MANAGEMENT**

GRADE: 10-12 CREDIT: .5

PEIMS: 13022300 KISD: 8056

PREREQUISITE: Principles of Hospitality and Tourism

encouraged to participate in extended learning experiences such as career and technical student organizations and other

This course focuses on the knowledge and skills needed to pursue staff and management positions available in the hotel industry. This in-depth study of the lodging industry includes departments within a hotel such as front desk, food and beverage, housekeeping, maintenance, human resources, and accounting. This course will focus on, but not be limited to, professional communication, leadership, management, human resources, technology, and accounting. Students are

leadership or extracurricular organizations

**TRAVEL & TOURISM
MANAGEMENT**

GRADE: 10-12 CREDIT: .5

PEIMS: 13022500 KISD: 8049

PREREQUISITE: Principles of Hospitality and
Tourism

organizations.

This course incorporates management principles and procedures of the travel and tourism industry as well as destination geography, airlines, international travel, cruising, travel by rail, lodging, recreation, amusements, attractions, and resorts. Employment qualifications and opportunities are also included in this course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular



**PRACTICUM IN
HOSPITALITY
SERVICES**

GRADE: 12 CREDIT: 3

PEIMS: 13022900 KISD: 8057

PREREQUISITE: 2 years of Hospitality and
Tourism courses

Practicum in Hospitality Services 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

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|-----------------------|------------------------------|--|----------------|-----------------------------|--|---------------------|--|
| <i>Human Services</i> | | | | | | | |
| <i>Cosmetology</i> | Principles of Human Services | Entrepreneurship | Cosmetology 1 | Cosmetology 2 | Professional Communications, Entrepreneurship, Business Law, Money Matters, Practicum | Texas Cosmetologist |  SkillsUSA |
| <i>Child Guidance</i> | Principles of Human Services | Child Development/ Entrepreneurship | Child Guidance | Practicum in Human Services | Professional Communications, Entrepreneurship, Business Law, Money Matters, Practicum, Lifetime Nutrition & Wellness | |  FCCLA |

| Human Services | | | |
|---|---------|--------------|--|
| Course Name | Credits | Grade Levels | Prerequisites |
| Principles of Human Services | 0.5 | 9-11 | None |
| Child Development | 0.5 | 10-12 | Principles of Human Services |
| Child Guidance | 1 | 10-12 | Principles of Human Services, Child Development |
| Cosmetology I | 3 | 11-12 | Application Process |
| Cosmetology II | 3 | 11-12 | Cosmetology I |
| Family and Community Services | 1 | 11-12 | Principles of Human Services |
| Practicum in Human Services | 3 | 12 | 2 years of Human Services courses |
| <i>New Directions High School</i> | | | |
| Dollars and Sense | 1 | 9-12 | None |
| Interpersonal Studies | 1 | 9-12 | None |
| Parenting Education for School Age Parents I | 1 | 9-12 | None |
| Parenting Education for School Age Parents II | 1 | 10-12 | Parenting Education for School Age Parents I |

PRINCIPLES OF HUMAN SERVICES

GRADE: 9-11 CREDIT: .5

PEIMS: 13024200 KISD: 8030

PREREQUISITE: None

This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CHILD DEVELOPMENT

GRADE: 10-12 CREDIT: .5

PEIMS: 13024700 KISD: 8035

PREREQUISITE: Principles of Human Services

This technical laboratory course 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 to investigate careers related to the care and education of children. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CHILD GUIDANCE

GRADE: 10-12 CREDIT: 1

PEIMS: 13024800 KISD: 8036

PREREQUISITE: Principles of Human Services and Child Development

This technical laboratory course addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

COSMETOLOGY I

GRADE: 11-12 CREDIT: 3

PEIMS: 13025200 KISD: 8037

PREREQUISITE: Application Process

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. Class is taught at BCTAL. *Students are responsible for providing their own transportation.*

COSMETOLOGY II

GRADE: 11-12 CREDIT: 3

PEIMS: 13025300 KISD: 8038

PREREQUISITE: Cosmetology I, Application Process

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.

Class is taught at BCTAL. *Students are responsible for providing their own transportation.*

FAMILY AND COMMUNITY SERVICES

GRADE: 11-12 CREDIT: 1

PEIMS: 13024900 KISD: 8034

PREREQUISITE: Principles of Human Services

This laboratory-based course is designed to involve students in realistic and meaningful community-based activities through direct service experiences. Students are provided opportunities to interact and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

PRACTICUM IN HUMAN SERVICES

GRADE: 12 CREDIT: 3

PEIMS: 13025000 KISD: 8028

PREREQUISITE: 2 years of Human Services courses

Practicum in Human Services provides occupationally specific training and focuses on the development of consumer services, early childhood development and services, counseling and mental health 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 and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster as well as the essential knowledge and skills.

DOLLARS AND SENSE

GRADE: 9-12 CREDIT: 1

PEIMS: 13024300 KISD: 8024

PREREQUISITE: None

Dollars and Sense is a course designed to focus on consumer practices and responsibilities, the money management process, decision making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations. **Offered at NDLC only*

INTERPERSONAL STUDIES

GRADE: 9-12 CREDIT: 1

PEIMS: 13024400 KISD: 8023

PREREQUISITE: None

This course 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.

**Offered at NDLC only*

PARENTING EDUCATION FOR SCHOOL AGE PARENTS I - II

GRADE: 9-12 CREDIT: 1
(per course)

PEIMS: N1302536 I KISD: 8033

PEIMS: N1302537 II KISD: 8034

PREREQUISITE: None

This laboratory course is designed to address the special needs and interests of male and female students who are parents, who are pregnant or who are expecting to become parents in the near future. Special emphasis is placed on prenatal care and development, postnatal care, child development, responsible parenthood and adult roles, family health issues, nutrition, safety, management and employability skills. Students are provided opportunities to develop the knowledge and skills to become successful parents and to prepare for managing the multiple roles of student, parent, family member and wage earner.

**Offered at NDLC only*

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|--|---------|---------|---------|---------|---|--|-----------------|
| JROTC | | | | | | | |
| <i>Junior Reserve Officer Training Corps</i> | JROTC 1 | JROTC 2 | JROTC 3 | JROTC 4 | Professional Communications, Entrepreneurship | Leadership and College Scholarship Opportunities | Air Force JROTC |

JROTC - Military Science

| Course Name | Credits | Grade Levels | Prerequisites |
|---|----------|--------------|-----------------|
| ROTC I – Aerospace Science I | 1 | 9-12 | None |
| ROTC II – Aerospace Science II | 1 | 10-12 | ROTC I |
| ROTC III – Aerospace Science III | 1 | 10-12 | ROTC II |
| ROTC IV – Aerospace Science IV | 1 | 10-12 | ROTC III |

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) | |
| GRADE: 9-12 | CREDIT: 1 |
| PEIMS: 03160100 | KISD: 50403 |
| 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) | |
| GRADE: 10-12 | CREDIT: 1 |
| PEIMS: 03160200 | KISD: 5153 |
| 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 are 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) | |
| GRADE: 10-12 | CREDIT: 1 |
| PEIMS: 03160300 | KISD: 5163 |
| 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) | |
| GRADE: 10-12 | CREDIT: 1 |
| PEIMS: 03160400 | KISD: 5173 |
| 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 education 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.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|---------------------------------------|---|-------------------|--------------------|--|---|----------------|--|
| <i>Law Enforcement & Security</i> | | | | | | | |
| <i>Law Enforcement</i> | Principles of Law Enforcement, Security & Corrections | Law Enforcement I | Law Enforcement II | Practicum of Law Enforcement, Security & Corrections | Professional Communications, Entrepreneurship, Forensic Science, Money Matters, | |  SkillsUSA |

| Law, Public Safety, Corrections, and Security | | | |
|---|---------|--------------|---|
| Course Name | Credits | Grade Levels | Prerequisites |
| Principles of Law, Public Safety, Corrections, and Security | 0.5 | 9-11 | None |
| Law Enforcement I | 1 | 10-12 | Principles of Law, Public Safety, Corrections, and Security |
| Law Enforcement II | 1 | 11-12 | Principles of Law, Public Safety, Corrections, and Security and Law Enforcement I |
| Security Services | 1 | 10-12 | Principles of Law, Public Safety, Corrections, and Security |
| Court Systems and Practices | 1 | 10-12 | Law Enforcement I |
| Practicum in Law and Public Safety | 3 | 12 | 2 years of law or public safety classes |

**PRINCIPLES OF
LAW, PUBLIC
SAFETY,
CORRECTIONS, AND
SECURITY**

GRADE: 9-11 CREDIT: .5

PEIMS: 13029200 KISD: 8830

PREREQUISITE: None

Principles of Law, Public Safety, Corrections, and Security introduces 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

GRADE: 10-12 CREDIT: 1

PEIMS: 13029300 KISD: 8831

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.

LAW ENFORCEMENT II

GRADE: 11-12 CREDIT: 1

PEIMS: 13029400 KISD: 8832

PREREQUISITE: Principles of Law, Public Safety, Corrections, and Security and Law Enforcement I

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, courtroom testimony.

SECURITY SERVICES

GRADE: 10-12 CREDIT: 1

PEIMS 13029800 KISD: 8834

PREREQUISITE: Principles of Law, Public Safety, Corrections

Security Services provides the knowledge and skills necessary to prepare for certification in security services. The course provides an overview of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information

**COURT SYSTEMS AND
PRACTICES**

GRADE: 10-12 CREDIT: 1

PEIMS: 13029600 KISD: 8835

PREREQUISITE: Law Enforcement I

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.

**PRACTICUM IN LAW
AND PUBLIC SAFETY**

GRADE: 12 CREDIT: 3

PEIMS: 13030100 KISD: 8836

PREREQUISITE: 2 years of Law, Public Safety, Corrections, and Security courses

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 ENDORSEMENT

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives |
|------------------------------|----------------|-----------------------------------|--|--|--|
| <i>Science</i> | | | | | |
| Agriculture Science | <i>Biology</i> | <i>Chemistry</i> | <i>Physics and Advanced Plant & Soil Science</i> | Scientific Research and Design | Environmental Systems, AP Environmental Science |
| Aquatic Science | <i>Biology</i> | <i>Chemistry</i> | <i>Physics and Aquatic Science</i> | Scientific Research and Design OR Environmental Systems | AP Environmental Science |
| Biology | <i>Biology</i> | <i>Chemistry</i> | <i>Physics and Anatomy and Physiology</i> | AP Biology | Scientific Research and Design, AP Chemistry |
| Chemistry | <i>Biology</i> | <i>Chemistry</i> | <i>Physics and AP Biology</i> | AP Chemistry | Scientific Research and Design, Anatomy and Physiology |
| Engineering Science | <i>Biology</i> | <i>Chemistry</i> | <i>Physics</i> | Scientific Research and Design AND Engineering Design and Problem Solving | Principles of Engineering, AP Physics I, AP Physics II, AP Physics C |
| Environmental Science | <i>Biology</i> | <i>Chemistry</i> | <i>Physics and AP Environmental Science</i> | Scientific Research and Design | Scientific Research and Design, Advanced Plant and Soil Science, Environmental Systems |
| Food Science | <i>Biology</i> | <i>Chemistry</i> | <i>Physics and Food Science</i> | Scientific Research and Design | Advanced Plant and Soil Science, AP Chemistry |
| Forensic Science | <i>Biology</i> | <i>Chemistry</i> | <i>Physics and Forensic Science</i> | Scientific Research and Design | Anatomy and Physiology, AP Biology, AP Chemistry |
| Health Science | <i>Biology</i> | <i>Chemistry</i> | <i>Physics and Anatomy and Physiology</i> | Medical Microbiology and Pathophysiology | Scientific Research and Design, AP Biology |
| Physics | <i>Biology</i> | <i>Chemistry and AP Physics I</i> | AP Physics 2 | AP Physics C | Scientific Research and Design, Engineering Design and Problem Solving |
| Space Science | <i>Biology</i> | <i>Chemistry</i> | <i>Physics and Earth & Space Science</i> | Scientific Research and Design OR Astronomy | AP Physics I, AP Physics II |

| | | | | | |
|---------------------------|----------------|------------------|--|---|--|
| Veterinary Science | <i>Biology</i> | <i>Chemistry</i> | <i>Physics and Advanced Animal Science</i> | Scientific Research and Design | |
|---------------------------|----------------|------------------|--|---|--|

Students may be allowed to take some science pathway courses in other years. Please check prerequisites in the course catalog.

Bolded Courses= Keller ISD Pathways
Endorsement Electives= Enrichment courses

| STEM – SCIENCE | | | |
|--|----------------|---------------------|--|
| Course Name | Credits | Grade Levels | Prerequisites |
| Advanced Animal Science | 1 | 11-12 | Biology and an Advanced Science |
| Advanced Plant and Soil Science | 1 | 11-12 | Biology and an Advanced Science |
| AP Biology | 1 | 11-12 | Biology and an Advanced Science |
| AP Chemistry | 1 | 11-12 | Chemistry |
| AP Physics 1 | 1 | 11-12 | Physics |
| AP Physics 2 | 1 | 11-12 | Physics |
| AP Physics C | 1 | 11-12 | Physics |
| Anatomy and Physiology of Human Systems | 1 | 10-12 | Biology |
| Aquatic Science | 1 | 10-12 | Biology |
| Astronomy | 1 | 11-12 | Biology and an Advanced Science |
| Earth and Space Science | | | Biology |
| Engineering Design and Problem Solving | 1 | 11-12 | Biology and an Advanced Science |
| Environmental Science AP | 1 | 11-12 | Biology and an Advanced Science |
| Environmental Systems | 1 | 11-12 | Biology; and one credit of Chemistry or Physics |
| Food Science | 1 | 11-12 | Biology and an Advanced Science |
| Forensic Science | 1 | 11-12 | Biology and an Advanced Science |
| Medical Microbiology | .5 | 10-12 | Biology |
| Pathophysiology | .5 | 10-12 | Biology |
| Principles of Technology I | 1 | 10-12 | One credit in science and Algebra I |
| Scientific Research and Design | 1 | 11-12 | Biology and 2 Advanced Sciences |

ADVANCED ANIMAL SCIENCE

GRADE: 11-12 CREDIT: 1 –
PEIMS: 13000700 KISD: 8151
PREREQUISITE: Biology and an advanced science

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.

ADVANCED PLANT & SOIL SCIENCE

GRADE: 11-12 CREDIT: 1 –
PEIMS: 13002100 KISD: 8172
PREREQUISITE: Biology and an advanced science

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.

ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS

GRADE: 11-12 CREDIT: 1
PEIMS: 13020600 KISD: 3203
PREREQUISITE: Biology

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 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 science credit, students must meet a 40% laboratory and fieldwork requirement.

AP BIOLOGY

GRADE: 11-12 CREDIT: 1 –
PEIMS: A3010200 KISD: 3123
PREREQUISITE: WEIGHTED: 10 pts.
Biology

Biology AP Exam would benefit by enrolling in Anatomy and Physiology also. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP CHEMISTRY

GRADE: 11-12 CREDIT: 1 – 4th
year science credit
PEIMS: A3040000 KISD: 3333
PREREQUISITE: WEIGHTED: 10 pts.
Chemistry

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. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced Placement Exam in May for possible college credit.**

AP PHYSICS 1

| | | |
|-----------------------|-------------------------------------|-------------------|
| GRADE: 10-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: TBD | | KISD: 3443 |
| PREREQUISITE: Physics | | WEIGHTED: 10 pts. |

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.**

AP PHYSICS 2

| | | |
|-----------------------|-------------------------------------|-------------------|
| GRADE: 11-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: TBD | | KISD: 3453 |
| PREREQUISITE: Physics | | WEIGHTED: 10 pts. |

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

| | | |
|-----------------------|-------------------------------------|-------------------|
| GRADE: 11-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: A3050002 | | KISD: 3433 |
| PREREQUISITE: Physics | | WEIGHTED: 10 pts. |

This course is designed for students interested in pursuing a degree in science, math or engineering. It is a calculus-based approach to physics and focuses on a more in-depth study of mechanics and electromagnetism. The course should prepare students for successful completion of the AP Physics C Exam. The content of the course will meet College Board standards. The curriculum is prescribed by the College Board for AP classes. **AP students prepare to take the Advanced**

Placement Exam in May for possible college credit.

AQUATIC SCIENCE

| | | |
|---|-------------------------------------|------------|
| GRADE: 10-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03030000 | | KISD: 3513 |
| PREREQUISITE: Biology (required) Suggested or concurrent enrollment in 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

| | | |
|---|-------------------------------------|------------|
| GRADE: 11-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03060100 | | KISD: 3503 |
| PREREQUISITE: Biology and an advanced 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 AND SPACE SCIENCE

| | | |
|---|-------------------------------------|------------|
| GRADE: 11-12 | <input checked="" type="checkbox"/> | CREDIT: 1 |
| PEIMS: 03060200 | | KISD: 3573 |
| PREREQUISITE: Biology and an advanced science | | |

Earth and Space 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.

ENGINEERING DESIGN AND PROBLEM SOLVING

GRADE: 11-12 CREDIT: 1

PEIMS: 13037300 KISD: 8758

PREREQUISITE: Biology and an advanced science
inherent to all engineering disciplines.

Engineering design is the creative process of solving problems by identifying needs and then devising solutions. This solution may be a product, technique, structure, process, or many other things depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are

ENVIRONMENTAL SCIENCE AP

GRADE: 11-12 CREDIT: 1 -

PEIMS: A3020000 KISD: 3543

PREREQUISITE: WEIGHTED: 10 pts.
None

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

GRADE: 10-12 CREDIT: 1

PEIMS: 03020000 KISD: 3533

PREREQUISITE: Biology and an advanced science

populations and ecosystems, and changes in environments.

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

FOOD SCIENCE

GRADE: 11-12 CREDIT: 1

PEIMS: 13023000 KISD: 8048

PREREQUISITE: Biology and Advanced Science

In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public.

FORENSIC SCIENCE

GRADE: 11-12 CREDIT: 1

PEIMS: 13029500 KISD: 8833

PREREQUISITE: Biology and Advanced Science

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.

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

MEDICAL MICROBIOLOGY

GRADE: 11-12 CREDIT: .5 –

PEIMS:

13020700

KISD: 8295

PREREQUISITE: Biology and an advanced 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).

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 science credit, students must meet 40% laboratory and fieldwork requirement.

PATHOPHYSIOLOGY

GRADE: 11-12 CREDIT: .5 –

PEIMS: 13020800

KISD: 8296

PREREQUISITE: Biology and an advanced 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).

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. The course must include at least 40% laboratory investigations and fieldwork using appropriate scientific inquiry.

PRINCIPLES OF TECHNOLOGY

GRADE: 10-12 CREDIT: 1

PEIMS: 13037100

KISD: 3553

PREREQUISITE: Biology and Algebra I.

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).

In Principles of Technology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions 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 and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices.

SCIENTIFIC RESEARCH AND DESIGN











GRADE: 11-12 CREDIT: 1

PEIMS: 13037200

KISD: 3563

PREREQUISITE: Biology and an advanced 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).

Science, as defined by the National Academy of Sciences, is the “use of evidence to construct testable explanations and predictions of natural phenomena, as well as the knowledge generated through this process”. This vast body of changing and increasing knowledge is described by physical, mathematical, and conceptual models. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|--|--------------------------------------|---------------------------------|--------------------------------|--|---|----------------|---|
| <i>Technology</i> | | | | | | | |
| Computer Maintenance | Principles of Information Technology | Computer Maintenance | Computer Technician | Research in Information Technology Solutions 1 | Entrepreneurship, Business Law, Money Matters, Computer Science Pre-AP, Computer Programming, Telecommunications & Networking | A+ |   TSA, Skills USA |
| Web Technology | Principles of Information Technology | Digital and Interactive Media | Web Technologies | Research in Information Technology Solutions 1 | Entrepreneurship, Business Law, Money Matters, Telecommunications & Networking | Adobe |   TSA, Skills USA |
| Computer Science * <i>* Students must take Algebra I in 8th grade.</i> | Pre-AP Computer Science I | Computer Science II | AP Computer Science | Computer Science III | Entrepreneurship, Business Law, Money Matters, Computer Maintenance | |   TSA, Skills USA |
| Internetworking | Principles of Information Technology | Telecommunications & Networking | Internetworking Technologies 1 | Internetworking Technologies 2 | Entrepreneurship, Business Law, Money Matters, Computer Maintenance | Cisco |   TSA, Skills USA |
| Video Game Design <i>* Students must take Algebra I in 8th grade.</i> | Pre-AP Computer Science I | Video Game Design | AP Computer Science | Mobile Application Development | Entrepreneurship, Business Law, Money Matters, Computer Maintenance | |   TSA, Skills USA |

STEM – TECHNOLOGY

| Course Name | Credits | Grade Levels | Prerequisites |
|---|------------|--------------|---|
| Principles of Information Technology | 0.5 | 9-11 | None |
| AP Computer Science | 1 | 11-12 | Computer Science I and Algebra II |
| Computer Maintenance | 1 | 10-12 | Principles of Information Technology |
| Computer Science I Pre-AP | 1 | 9-12 | Algebra I |
| Computer Science II | 1 | 10-12 | Computer Science I |
| Computer Science III | 1 | 11-12 | Computer Science II |
| Computer Technician | 2 | 11-12 | Principles of Information Technology |
| Digital and Interactive Media | 1 | 10-12 | Principles of Information Technology |
| Internetworking Technologies I | 2 | 11-12 | Principles of Information Technology |
| Internetworking Technologies II | 2 | 11-12 | Internetworking Technology I |
| Mobile Application Development | 1 | 9-12 | Algebra I and Computer Science I |
| Research in Information Technology Solutions I | 3 | 11-12 | Principles of Information Technology and 2 Advanced Technology Courses |
| Telecommunications and Networking | 1 | 10-12 | Principles of Information Technology |
| Video Game Design | 1 | 10-12 | Computer Science I |
| Web Technologies | 1 | 11-12 | Principles of Information Technology |

PRINCIPLES OF INFORMATION TECHNOLOGY

GRADE: 9-11 CREDIT: .5

PEIMS: 13027200 KISD: 8740

PREREQUISITE: None

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.

AP COMPUTER SCIENCE

GRADE: 11-12 CREDIT: 1

PEIMS: A3580100 KISD: 8513

PREREQUISITE: WEIGHTED: 10 pts.

Computer Science I and Algebra II

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.**

COMPUTER MAINTENANCE

GRADE: 10-12 CREDIT: 1

PEIMS: 13027200 KISD: 8714

PREREQUISITE: Principles of Information Technology

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.

COMPUTER SCIENCE I PRE - AP

GRADE: 9-12 CREDIT: 1

PEIMS: 03580200 KISD: 8503

PREREQUISITE: Algebra I WEIGHTED: 10 pts.

This course offers an introduction to Computer Science through the development of concepts and skills associated with programming methodology, data types and structures, algorithms, social implications, and applications of computers using the JAVA language.

COMPUTER SCIENCE II

GRADE: 10-12 CREDIT: 1

PEIMS: 03580300 KISD: 8504

PREREQUISITE: Computer Science I

Computer Science II 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 computer science through the study of technology operations, systems, and concepts.

COMPUTER SCIENCE III

GRADE: 11-12 CREDIT: 1

PEIMS: 03580350 KISD: 8510

PREREQUISITE: Computer Science II

Computer Science 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.

COMPUTER TECHNICIAN

GRADE: 11-12 CREDIT: 2

PEIMS: 13027500 KISD: 8746

PREREQUISITE: Principles of Information
Technology; Computer Maintenance

Students gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society. The critical thinking, information technology experience, and product development may be conducted either in a classroom setting with an instructor, with an industry mentor, or both.

DIGITAL AND INTERACTIVE MEDIA

GRADE: 10-12 CREDIT: 1

PEIMS: 13027800 KISD: 8742

PREREQUISITE: Principles of Information
Technology

Through the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology driven society. Students enhance reading, writing, and computing, communication and critical thinking and apply them to the information technology environment.

INTERNETWORKING TECHNOLOGIES I

GRADE: 11-12 CREDIT: 2

PEIMS:N1302803 KISD: 8743

PREREQUISITE: Principles of Information
Technology

Students develop knowledge of the concepts and skills related to telecommunications and 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.

INTERNETWORKING TECHNOLOGIES II

GRADE: 11-12 CREDIT: 2

PEIMS:N1302804 KISD: 8744

PREREQUISITE: Internetworking Technologies I

Students develop knowledge of the concepts and skills related to telecommunications and 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.

MOBILE APPLICATION DEVELOPMENT

GRADE: 11-12 CREDIT: 1

PEIMS: 03580390 KISD: 8544

PREREQUISITE: Algebra I and Computer Science I

Mobile Application Development will foster students' creativity and innovation by presenting opportunities to design, implement, and deliver projects using mobile computing devices. Through data analysis, students will identify task requirements, plan search strategies, and use software development concepts to access, analyze, and evaluate information needed to program mobile devices.

RESEARCH IN
INFORMATION
TECHNOLOGY
SOLUTIONS I

GRADE: 12 CREDIT: 3

PEIMS: 13028000 KISD: 8748

PREREQUISITE: Principles of Information
Technology and 2 Advanced Technology Courses

Students gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, information technology experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid internship, or as career preparation.

TELE -
COMMUNICATIONS
AND NETWORKING

GRADE: 10-12 CREDIT: 1

PEIMS:13027400 KISD: 8747

PREREQUISITE: Principles of Information
Technology

Students develop knowledge of the concepts and skills related to telecommunications and 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.

VIDEO GAME
DESIGN

GRADE: 10-12 CREDIT: 1

PEIMS: N1300993 KISD: 8714

PREREQUISITE: Algebra I and Computer Science I

The student will be provided the opportunity to design, program, and create a functional video game. The course will introduce basic programming language and skills that are essential to developing a video game. Topics covered are math, physics, design, and computer programming.

WEB TECHNOLOGIES




GRADE: 11-12 CREDIT: 1

PEIMS: 13027900 KISD: 8543

PREREQUISITE: Digital and Interactive Media

and apply them to the information technology environment.

Through the study of web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|---------------------------------------|--|---------------------------------|--------------------------------|--|---|----------------|---|
| <i>Engineering</i> | | | | | | | |
| <i>Biotechnology Engineering (BE)</i> | Introduction to Engineering Design (IED) | Principles of Engineering (POE) | Biotechnology Engineering (BE) | Engineering Design and Development (EDD) | Entrepreneurship, Business Law, Money Matters, Aerospace Engineering, Digital Electronics | |  |
| <i>Aerospace Engineering (AE)</i> | Introduction to Engineering Design (IED) | Principles of Engineering (POE) | Aerospace Engineering (AE) | Engineering Design and Development (EDD) | Entrepreneurship, Business Law, Money Matters, Biotechnology Engineering, Digital Electronics | |  |
| <i>Digital Electronics</i> | Introduction to Engineering Design (IED) | Principles of Engineering (POE) | Digital Electronics | Engineering Design and Development (EDD) | Entrepreneurship, Business Law, Money Matters, Biotechnology Engineering, Aerospace Engineering | |  |

STEM – ENGINEERING

| Course Name | Credits | Grade Levels | Prerequisites |
|---|----------|--------------|---|
| Introduction to Engineering Design | 1 | 9-10 | None |
| Principles of Engineering | 1 | 10-12 | Introduction to Engineering Design |
| Biotechnology Engineering | 1 | 10-12 | Introduction to Engineering Design |
| Aerospace Engineering | 1 | 11-12 | Principles of Engineering |
| Digital Electronics | 1 | 11-12 | Principles of Engineering |
| Engineering Design and Development | 1 | 12 | Digital Electronics or Aerospace Engineering |
| <i>Project Lead the Way</i> | | | |
| <p>This high school program is a four year sequence of courses which, when combined with traditional mathematics and science courses in high school, introduces students to the scope, rigor, and discipline of engineering prior to entering college. However, those not intending to pursue further formal education will benefit greatly from taking some of or all of the courses provided.</p> | | | |

**INTRODUCTION TO
ENGINEERING
DESIGN**

GRADE: 9-10 CREDIT: 1

PEIMS: N1303742 KISD: 8768

PREREQUISITE: None

It 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. Students who pass the PLTW college-credit exam, given at the end of the course, can receive college credit at PLTW affiliated universities.

**PRINCIPLES OF
ENGINEERING**

GRADE: 10-12 CREDIT: 1

PEIMS: N1303743 KISD: 8769

PREREQUISITE: Introduction to Engineering Design

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. Students who pass the PLTW college-credit exam, given at the end of the course, can receive college credit at PLTW affiliated universities.

**BIOTECHNOLOGY
ENGINEERING**

GRADE: 10-12 CREDIT: 1

PEIMS: N1303746 KISD: 8762

PREREQUISITE: Introduction to Engineering Design

The major focus of this course is to expose students to the diverse fields of biotechnology including biomedical engineering, molecular genetics, bioprocess engineering, and agricultural and environmental engineering.

**AEROSPACE
ENGINEERING**

GRADE: 11-12 CREDIT: 1

PEIMS: N1303745 KISD: 8765

PREREQUISITE: Principles of Engineering

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**

GRADE: 11-12 CREDIT: 1

PEIMS: N1303744 KISD: 8767

PREREQUISITE:
Principles of Engineering

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.

**ENGINEERING
DESIGN AND
DEVELOPMENT**

GRADE: 12 CREDIT: 1

PEIMS: N1303749 KISD: 8766

PREREQUISITE: Digital Electronics or Aerospace Engineering

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.

| Pathways | 9th | 10th | 11th | 12th | Endorsement Electives | Certifications | CTSO |
|-------------------------|------------------|-----------------|--|-------------------------|--------------------------|----------------|------|
| Math | | | | | | | |
| Calculus | <i>Algebra I</i> | <i>Geometry</i> | <i>Algebra II and Precalculus</i> | Calculus | | | |
| Engineering Math | <i>Algebra I</i> | <i>Geometry</i> | <i>Algebra II and Statistics and Risk Management</i> | Engineering Math | | | |
| Statistics | <i>Algebra I</i> | <i>Geometry</i> | <i>Algebra II and Statistics and Risk Management</i> | AP Statistics | | | |

| STEM – MATH | | | |
|--|----------|--------------|-------------------------------|
| Course Name | Credits | Grade Levels | Prerequisites |
| Engineering Mathematics | 1 | 10-12 | Algebra I and Geometry |
| Advanced Quantitative Reasoning | 1 | 11-12 | Algebra II |
| Statistic and Risk Management | 1 | 11-12 | 3 credits of Math |

ENGINEERING MATHEMATICS

GRADE: 10-12 CREDIT: 1

PEIMS: 13036700 KISD: 8759

PREREQUISITE: Algebra I and Geometry

Engineering Mathematics is a course where students solve and model robotic design problems. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.

ADVANCED QUANTITATIVE REASONING

GRADE: 11-12 CREDIT: 1

PEIMS: 03102510 KISD: 2423

PREREQUISITE: Algebra II

Advanced Quantitative Reasoning must be taken after Algebra II to receive mathematics credit. AQR is a capstone mathematics course that follows Algebra I, Geometry, and Algebra II as a viable fourth year mathematics course. It builds on and extends what students have learned and covers other mathematics topics not typically taught in high school. The course does not remediate skills, but reinforces needed skills as students study new topics in relevant, engaging contexts. The course emphasizes statistics and financial applications, and it prepares students to use algebra, geometry, trigonometry, and discrete mathematics to model a range of situations and solve problems. The course also helps students develop college and career skills such as collaborating, conducting research, and making presentations.

STATISTICS AND RISK MANAGEMENT

GRADE: 11-12 CREDIT: 1

PEIMS: 13016900 KISD: 8333

PREREQUISITE: Three credits of mathematics

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.

Career Preparation

| Course Name | Credits | Grade Levels | Prerequisites |
|------------------------------------|----------|--------------|---|
| Career Preparation I and II | 1 | 11-12 | Teacher Approval and Completion of Application Process |
| Problem and Solutions | 1 | 11-12 | Teacher Approval and Completion of Application Process |

CAREER PREPARATION I - II

GRADE: 11-12 CREDIT: 3

PEIMS: 12701300 I KISD: 8201

PEIMS: 12701400 II KISD: 8211

PREREQUISITE: Specific Admission
Requirements- Teacher Approval and Completion of
Application Process

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.

PROBLEMS AND SOLUTIONS

GRADE: 11-12 CREDIT: .5

PEIMS: 12701500 I KISD: 8203

PREREQUISITE: Teacher Approval and
Completion of Application Process

Problems and Solutions is a project-based research course for students who have the ability to research a real-world problem. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have

opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies in a variety of settings. This course is designed to provide students an opportunity to earn one advanced measure for the Distinguished Achievement Program prior to entering 9th grade in 2014-2015.

| AVID | | | |
|--------------------|----------------|---------------------|---|
| Course Name | Credits | Grade Levels | Prerequisites |
| AVID I | 1 | 9-12 | Application process |
| AVID II | 1 | 10-12 | AVID I; 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 - II

GRADE: 9-12 CREDIT: 1

PEIMS: N1290001 I KISD: 5762

PEIMS: N1290002 II KISD: 5763

PREREQUISITE: Application process

techniques and personal organization and study skills are also developed.

An elective course designed for students who are college bound. Students learn strategies to ensure success in rigorous college-preparatory course work. The AVID curriculum focuses on writing, inquiry, collaboration, organization and reading (WICOR) through both teacher-led and tutor-led activities. AVID students learn to work cooperatively as a support system for each other and gain confidence in their own abilities while learning to assist their peers. Time management techniques and personal organization and study skills are also developed.

AVID III

GRADE: 11-12 CREDIT: 1

PEIMS: N1290030 KISD: 5764

PREREQUISITE: Previous enrollment in AVID elective class prior to grade 11 for at least one year.

CO-REQUISITE: Enrollment in at least one honors, Advanced Placement, or International Baccalaureate course or in a college-transferable course in both the 11th and 12th grade years.

AVID elective courses at all grade levels are designed to prepare students for entrance into four-year colleges and universities. The courses emphasize rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test taking strategies, note taking and research. AVID students, generally, come from groups underrepresented at our four-year colleges and universities. They are enrolled in a rigorous academic program while being given a support system in the AVID classes through tutorials, coaching in note taking, organization and study skills, analytical writing, collaborative work and college counseling.

AVID IV

GRADE: 12 CREDIT: 1

PEIMS: N1290033 KISD: 5766

PREREQUISITE: Previous enrollment in AVID elective class prior to grade 12 for at least one year.

CO-REQUISITE: Enrollment in at least one honors, Advanced Placement, or International Baccalaureate course or in a college-transferable course in both the 11th and 12th grade years.

AVID elective courses at all grade levels are designed to prepare students for entrance into four-year colleges and universities. The courses emphasize rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test taking strategies, note taking and research. AVID students, generally, come from groups underrepresented at our four-year colleges and universities. They are enrolled in a rigorous academic program while being given a support system in the AVID classes through tutorials, coaching in note taking, organization and study skills, analytical writing, collaborative work and college counseling.

| Elective Courses | | | |
|---|----------------|---------------------|--|
| Course Name | Credits | Grade Levels | Prerequisites |
| Academic Decathlon | 1 | 9-12 | Previous test results, prior achievement in high school and counselor recommendations, and personal interviews with course instructors |
| Health Education | .5 | 9-12 | None |
| Sports Medicine | 1 | 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 | | | |
| 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. |

ACADEMIC DECATHLON I - IV

| | | |
|---|-----------|------------|
| GRADE: 9-12 | CREDIT: 1 | |
| PEIMS: N1290309 | I | KISD: 1180 |
| PEIMS: N1290313 | II | KISD: 1181 |
| PEIMS: N1290317 | III | KISD: 1189 |
| PEIMS: N1290318 | IV | KISD: 1190 |
| PREREQUISITE: Previous test results, prior achievement in high school, teacher and counselor recommendations, and personal interviews with course instructors | | |
| WEIGHTED: 10 pts. for Levels III and IV | | |

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.

HEALTH EDUCATION

| | | |
|--------------------|------------|--|
| GRADE: 9-12 | CREDIT: .5 | |
| PEIMS: 03810100 | KISD: 5001 | |
| 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. Students who successfully complete this course receive high school credit and the course is used in calculating students' high

school GPA and class rank.

SPORTS MEDICINE

| | | |
|---------------------------------|------------|--|
| GRADE: | CREDIT: 1 | |
| PEIMS: N1150040 | KISD: 5454 | |
| PREREQUISITE: Coach's signature | | |

aid/CPR/AED, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercises.

This course provides 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

STUDENT LEADERSHIP I

| | | |
|-----------------|-----------|------------|
| GRADE: 9-12 | CREDIT: 1 | |
| PEIMS: N1290010 | I | KISD: 1183 |

STUDENT LEADERSHIP II

| | | |
|-----------------|----------------------|------------|
| GRADE: 10-12 | CREDIT: 1 (Local) | |
| PEIMS: 85000300 | II | KISD: 1184 |

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

| | | |
|--------------------|-----------------------|--|
| GRADE: 10-12 | CREDIT: .5 (Local) | |
| PEIMS: 85000001 | KISD: 1191 | |
| 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.

Special Education

Note: Special education placement and individual course selections are determined by an Admission, Review and Dismissal (ARD) Committee. Placement and course selections are reviewed, at a minimum, on an annual basis.

Special Education Course Offerings: The following is a list of the courses taught by special education teachers. All students will have access to the general curriculum and to the Texas Essential Knowledge and Skills (TEKS). Curriculum may be accessed through modifications, accommodations, and/or prerequisite skills dependent upon the individual needs of the student. All core subject special education courses are taken for credit.

ENGLISH LANGUAGE ARTS

ENGLISH I MODIFIED

GRADE: 9 CREDIT: 1

PEIMS: 03220105 KISD: M1003

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.

ENGLISH II MODIFIED

GRADE: 10 CREDIT: 1

PEIMS: 03220205 KISD: M1033

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.

ENGLISH III MODIFIED

GRADE: 11 CREDIT: 1

PEIMS: 03220305 KISD: M1063

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.

**ENGLISH I
MODIFIED**

GRADE: 12 CREDIT: 1

PEIMS: 03220400 KISD: M1093

PREREQUISITE: ARD Decision

This course meets the individual learning requirements of students by focusing on 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.

**ENGLISH I
ALTERNATE**

GRADE: 9 CREDIT: 1

PEIMS: 03220107 KISD: T1003

PREREQUISITE: ARD Decision

This course meets the individual learning requirements of students by focusing on 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.

**ENGLISH II
ALTERNATE**

GRADE: 10 CREDIT: 1

PEIMS: 03220207 KISD: T1033

PREREQUISITE: ARD Decision

This course meets the individual learning requirements of students by focusing on 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.

**ENGLISH III
ALTERNATE**

GRADE: 11 CREDIT: 1

PEIMS: 03220307 KISD: T1063

PREREQUISITE: ARD Decision

This course meets the individual learning requirements of students by focusing on 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.

**ENGLISH IV
ALTERNATE**

GRADE: 12 CREDIT: 1

PEIMS: 03220400 KISD: T1093

PREREQUISITE: ARD Decision

This course meets the individual learning requirements of students by focusing on 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.

**INDEPENDENT
ENGLISH IV
ALTERNATE**

GRADE: 12 CREDIT: 1

PEIMS: 03221800 KISD: T1133

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

**PROFESSIONAL
COMMUNICATIONS**

GRADE: 9-12 CREDIT: .5

PEIMS: 13009900 KISD: T1465

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.

MATHEMATICS

**ALGEBRA I
MODIFIED**

GRADE: 9 CREDIT: 1

PEIMS: 03100505 KISD: M2003

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.

**GEOMETRY
MODIFIED**

GRADE: 10 CREDIT: 1

PEIMS: 03100705 KISD: M2213

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.

**MATH MODELS
WITH
APPLICATIONS
MODIFIED**

GRADE: 11 CREDIT: 1

PEIMS: 03102400 KISD: M2123

PREREQUISITE: ARD Decision and Geometry Modified

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.

**ALGEBRA II
MODIFIED**

GRADE: 12 CREDIT: 1

PEIMS: 03100605 KISD: M2043

PREREQUISITE: ARD Decision

solve problems in the other.

**ALGEBRA I
ALTERNATE**

GRADE: 9 CREDIT: 1

PEIMS: 03100507 KISD: T2003

PREREQUISITE: ARD Decision

This course meets the individual learning requirements of students by focusing on 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.

**GEOMETRY
ALTERNATE**

GRADE: 10 CREDIT: 1

PEIMS: 03100707 KISD: T2213

PREREQUISITE: ARD Decision

This course meets the individual learning requirements of students by focusing on 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.

**MATH MODELS
WITH
APPLICATIONS
ALTERNATE**

GRADE: 11 CREDIT: 1

PEIMS: 03102400 KISD: T2123

PREREQUISITE: ARD Decision and Geometry Alternate

Math Models with Applications Modified is designed for students to continue to build on the K-8 and Algebra I 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.

**ALGEBRA II
ALTERNATE**

GRADE: 12 CREDIT: 1

PEIMS: 03100607 KISD: T2043

PREREQUISITE: ARD Decision

solve problems in the other.

Algebra II Alternate is designed for students to build on Algebra I 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 through the content strands. Connection will be made between algebra and geometry and the tools of one will be used to help

**INDEPENDENT
STUDY IN
MATHEMATICS
ALTERNATE**

GRADE: 12 CREDIT: 1

PEIMS: 03102500 KISD: T2501

PREREQUISITE: ARD Decision

These courses are designed to reinforce math operations using a variety of practical, real life situations that facilitate the understanding of using mathematics in daily living exercises. Emphasis is on applying mathematics in the use of money, personal financial situations and solving home and work problems by using the concepts of fundamental mathematics. Students practice these strategies within the context of simulation designed to reinforce the understanding of basic operations, as well as the application of these operations within technological tools that enhance understanding and accuracy.

SOCIAL STUDIES

**WORLD GEOGRAPHY
ALTERNATE**

GRADE: 9 CREDIT: 1

PEIMS: 03320107 KISD: T4203

PREREQUISITE: ARD Decision

This course meets the individual learning requirements of students by focusing on 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.

**WORLD HISTORY
ALTERNATE**

GRADE: 10 CREDIT: 1

PEIMS: 03340407 KISD: T4103

PREREQUISITE: ARD Decision

This course meets the individual learning requirements of students by focusing on 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.

Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

**U.S. HISTORY
ALTERNATE**

GRADE: 11 CREDIT: 1

PEIMS: 03340107 KISD: T4003

PREREQUISITE: ARD Decision

This course meets the individual learning requirements of students by focusing on 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.

Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

**GOVERNMENT /
ECONOMICS
ALTERNATE**

GRADE: 12 CREDIT: .5

PEIMS: 03330100 GOVT KISD: T4301

PEIMS: 03310300 ECO KISD: T4302

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.

SCIENCE

INTEGRATED PHYSICS AND CHEMISTRY ALTERNATE

GRADE: 9-12 CREDIT: 1

PEIMS: 03060201 KISD: T3003

PREREQUISITE: ARD Decision

This course meets the requirements of students by focusing on 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.

BIOLOGY ALTERNATE

GRADE: 9-12 CREDIT: 1

PEIMS: 03010207 KISD: T3103

PREREQUISITE: ARD Decision

This course meets the individual learning requirements of students by focusing on 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.

CHEMISTRY ALTERNATE

GRADE: 9-12 CREDIT: 1

PEIMS: 03040007 KISD: T3303

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.

PHYSICS ALTERNATE

GRADE: 9-12 CREDIT: 1

PEIMS: 03050007 KISD: T3403

PREREQUISITE: ARD Decision

This course uses alternate Physics 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: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior waves; and atomic, nuclear, and quantum physics. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

SPECIAL EDUCATION ELECTIVES

ACTIVITIES FOR DAILY LIVING (ADL) I-IV

GRADE: 9-12 CREDIT: 0

PEIMS: 95000003 I KISD: 900

PEIMS: 95000004 II KISD: 901

PEIMS: 95000005 III KISD: 902

PEIMS: 95000006 IV KISD: 903

PREREQUISITE: ARD Decision

This course is developed to integrate the domestic, recreation, leisure, school, and community domains. Students investigate through 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.

| ADVANCED HEALTH EDUCATION ALTERNATE | |
|-------------------------------------|-------------|
| GRADE: 9-12 | CREDIT: .5 |
| PEIMS: 03810200 | KISD: T5003 |
| 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 will be identified and examined. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

| APPLIED MUSIC I - II ALTERNATE | | |
|--------------------------------|-----------|-------------|
| GRADE: 9-12 | CREDIT: 1 | |
| PEIMS: 03152500 | I | KISD: T2750 |
| PEIMS: 03152600 | II | KISD: T2751 |
| 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.

| ART ALTERNATE | |
|----------------------------|-------------|
| GRADE: 9-12 | CREDIT: .5 |
| PEIMS: 03500100 | KISD: T7403 |
| 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.

| BASIC STUDY SKILLS | |
|----------------------------|-----------|
| GRADE: 9-12 | CREDIT: 0 |
| PEIMS: 91000009 | KISD: 975 |
| PREREQUISITE: ARD Decision | |

This course is designed to provide students with strategies that will aid them in the general education classroom. Students will be introduced to skills associated with test taking techniques, analysis of key words, highlighting, note taking, outlining, study tips, use of time and ways to stage study sessions for optimal results. Major focus is directed toward organizational skills and applying strategies learned in this course.

**COMMUNITY BASED
VOCATIONAL
INSTRUCTION
(CBVI) I-III**

GRADE: 10-12 CREDIT: 0

PEIMS: 95000007 I KISD: 936

PEIMS: 95000008 II KISD: 937

PEIMS: 95000009 III KISD: 938

PREREQUISITE: ARD Decision

In this instructional arrangement/setting students will practice employability skills at actual job sites in the local community. A wide range of sites will be used including, but not limited to: retail, service, volunteer, health related and clerical so as to provide the student with numerous opportunities to explore a variety of employment options. Students will be supervised directly by special education personnel without remuneration.

- **Community Based Vocational Instruction (CBVI) I:** Focus of instruction will be on individual responsibility on the job sites in the community with direct supervision by a certified teacher.

- **Community Based Vocational Instruction (CBVI) II:** Continued focus of

instruction will be on individual responsibility on the job sites in the community with direct supervision by a certified teacher.

**HEALTH
EDUCATION
ALTERNATE**

GRADE: 9-12 CREDIT: .5

PEIMS: 03810100 KISD: T5001

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.

**INDEPENDENT
STUDY IN
TECHNOLOGY
ALTERNATE**

GRADE: 9-12 CREDIT: 1

PEIMS: 03580900 KISD: T8603

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.*

**INDIVIDUAL AND
TEAM SPORTS
ALTERNATE**

GRADE: 9-12 CREDIT: .5

PEIMS: PES00055 KISD: T50304

PREREQUISITE: ARD Decision

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.

**OCCUPATIONAL
PREPARATION I - II**

GRADE: 9-12 CREDIT: 0

PEIMS: 95000001 I KISD: 964

PEIMS: 95000002 II KISD: 965

PREREQUISITE: ARD Decision

This course prepares students to enter the job market through a study of employment issues including recognizing what skill define particular jobs, the application and interview processes, identifying barriers to employment, individual attributes that enhance employability, ways to locate jobs, using community services/resources to aid employment and maintaining a successful job experience. Issues to be presented are: safety, understanding job responsibilities, time requirements and management, relationships, task commitment, accepting feedback from authority figures, leaving a job appropriately, organizational skills, performance and evaluation, conduct, working with customers, and acceptance of job

requirements. Job specific skills are presented in the areas of newspaper skills, telephone, placement assistance, multiple tasks and priority task awareness. Students will explore a variety of jobs and activities related to the job.

- **Occupational Preparation I:** Focus of instruction will be on employability skills and job search.
- **Occupational Preparation II:** Focus of instruction will be on aptitude, interests, and skills related to job search.

| PRACTICUM IN HUMAN SERVICES I AND II ALTERNATE | | | |
|--|----|-------------|--|
| GRADE: 11-12 | | CREDIT: 3 | |
| PEIMS: 13025000 | I | KISD: T8028 | |
| PEIMS: 13025010 | II | KISD: T8029 | |
| 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.

Practicum Experience is actual work period scheduled within the school day.

| TOUCH SYSTEM DATA ENTRY ALTERNATE | | | |
|---|--|-------------|--|
| GRADE: 9-12 | | CREDIT: 1 | |
| PEIMS: 13011300 | | KISD: T8301 | |
| 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.

ADULT TRANSITION

| ADULT TRANSITION LAB (ADL) I - II | | | |
|--|----|-----------|--|
| GRADE: 12+ | | CREDIT: 0 | |
| PEIMS: 95000028 | I | KISD: 990 | |
| PEIMS: 95000029 | II | KISD: 991 | |
| 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 A

This appendix defines courses that may be taken as substitutions for other courses as listed in the graduation requirements overview. It also defines what classes count for PE and fine arts credits. Elective requirements are not listed.

| Minimum | Recommended | Distinguished Achievement |
|--|---|---|
| <p>English- 4 credits <i>Three credits must consist of English I, English II, and English III. The final credit may be selected from one full or two half credits from the following courses:</i></p> <ul style="list-style-type: none"> • Creative Writing • Practical Writing Skills • Literary Genres • Business English • Journalism • AP English Language and Composition • AP English Literature and Composition | <p>English- 4 credits <i>Four credits must consist of English I, English II, English III, and English IV.</i></p> | <p>English- 4 credits <i>Four credits must consist of English I, English II, English III, and English IV.</i></p> |
| <p>Mathematics- 3 credits <i>Two credits must consist of Algebra I and Geometry. The final credit may be selected from one full or two half credits from the following courses:</i></p> <ul style="list-style-type: none"> • Algebra II • Pre-Calculus • Mathematical Models with Applications • Advanced Quantitative Reasoning • AP Statistics • AP Calculus AB • AP Calculus BC • AP Computer Science • Statistics and Risk Management | <p>Mathematics-4 credits <i>Three of the credits must consist of Algebra I, Algebra II, and Geometry. The final credit may be selected from the following courses:</i></p> <ul style="list-style-type: none"> • Mathematical Models with Applications (<i>completed prior to Algebra II</i>) • Pre-Calculus • Advanced Quantitative Reasoning (<i>completed after Algebra II</i>) • AP Statistics • AP Calculus AB • AP Calculus BC • AP Computer Science <p><i>The following course for the fourth math credit must be taken after Algebra I and Geometry and either after successful completion of or concurrently with Algebra II:</i></p> <ul style="list-style-type: none"> • Statistics and Risk Management | <p>Mathematics-4 credits <i>Three of the credits must consist of Algebra I, Algebra II, and Geometry. The final credit may be selected from the following courses after successful completion of Algebra I, Algebra II, and Geometry:</i></p> <ul style="list-style-type: none"> • Pre-Calculus • Advanced Quantitative Reasoning(<i>completed after Algebra II</i>) • AP Statistics • AP Calculus AB • AP Calculus BC • AP Computer Science <p><i>The following course for the fourth math credit must be taken after Algebra I and Geometry and either after successful completion of or concurrently with Algebra II:</i></p> <ul style="list-style-type: none"> • Statistics and Risk Management |

| | | |
|---|--|--|
| <p>Science- 2 credits <i>The credits must consist of:</i></p> <ul style="list-style-type: none"> • Biology • Integrated Physics <p><i>The student may substitute a chemistry credit or a physics credit and then must use the second of these two courses as an academic elective:</i></p> <ul style="list-style-type: none"> • Chemistry (or AP Chemistry) • Physics (or Principles of Technology or AP Physics) | <p>Science- 4 credits <i>Three of the credits must consist of:</i></p> <ul style="list-style-type: none"> • Biology (or AP Biology) • Chemistry (or AP Chemistry) • Physics (or Principles of Technology or AP Physics) <p><i>The additional credit may be IPC and it must be completed prior to Chemistry and Physics.</i></p> <p><i>The fourth credit may be selected from the following laboratory based courses:</i></p> <ul style="list-style-type: none"> • Aquatic Science • Astronomy • Earth and Space Science • Environmental Systems • AP Biology • AP Chemistry • AP Physics B • AP Physics C • AP Environmental Science <p><i>The additional credit may be selected from the following laboratory based courses and may be taken after the successful completion of biology and chemistry and either after the successful completion of or concurrently with physics:</i></p> <ul style="list-style-type: none"> • Scientific Research and Design • Anatomy and Physiology • Medical Microbiology • Pathophysiology • Advanced Biotechnology • Forensic Science | <p>Science- 4 credits <i>Three of the credits must consist of:</i></p> <ul style="list-style-type: none"> • Biology (or AP Biology) • Chemistry (or AP Chemistry) • Physics (or AP Physics) <p><i>The fourth credit may be selected from the following laboratory based courses:</i></p> <ul style="list-style-type: none"> • Aquatic Science • Astronomy • Earth and Space Science • Environmental Systems • AP Biology • AP Chemistry • AP Physics B • AP Physics C • AP Environmental Science <p><i>The additional credit may be selected from the following laboratory based courses and may be taken after the successful completion of biology and chemistry and either after the successful completion of or concurrently with physics:</i></p> <ul style="list-style-type: none"> • Scientific Research and Design • Anatomy and Physiology • Engineering Design and Problem Solving • Medical Microbiology • Pathophysiology • Advanced Biotechnology • Forensic Science |
|---|--|--|

| | | |
|--|--|--|
| <p>Social Studies- 3 credits <i>Two of the credits must consist of:</i></p> <ul style="list-style-type: none"> • United States History • United States Government (.5 credit) • Economics with Emphasis on the Free Enterprise System and Its Benefits (.5 credit) <p><i>The final credit may be selected from the following courses:</i></p> <ul style="list-style-type: none"> • World History Studies • World Geography Studies | <p>Social Studies- 4 credits <i>The credits must consist:</i></p> <ul style="list-style-type: none"> • World History Studies, • World Geography Studies, • United States History Studies since 1877, • United States Government (.5 credit) • Economics with Emphasis on the Free Enterprise System and Its Benefits (.5 credit) | <p>Social Studies- 4 credits <i>The credits must consist:</i></p> <ul style="list-style-type: none"> • World History Studies, • World Geography Studies, • United States History Studies since 1877, • United States Government (.5 credit) • Economics with Emphasis on the Free Enterprise System and Its Benefits (.5 credit) |
| | <p>Languages Other than English- 2 credits (in the same language)</p> <ul style="list-style-type: none"> • American Sign Language • French • German • Latin • Spanish | <p>Languages Other than English- 3 credits (in the same language)</p> <ul style="list-style-type: none"> • American Sign Language • French • German • Latin • Spanish |
| <p>Physical Education- 1 credit <i>The required credit may be selected from any combination of the following ½ to one credit courses:</i></p> <ul style="list-style-type: none"> • Foundations of Personal Fitness • Adventure/Outdoor Education • Aerobic Activities • Team or Individual Sports • Athletics • JROTC 1 <p><i>PE substitution – may receive up to one substitution credit for participating in any one of the courses below:</i></p> <ul style="list-style-type: none"> • Drill Team • Marching Band • Cheerleading | <p>Physical Education- 1 credit <i>The required credit may be selected from any combination of the following ½ to one credit courses:</i></p> <ul style="list-style-type: none"> • Foundations of Personal Fitness • Adventure/Outdoor Education • Aerobic Activities • Team or Individual Sports • Athletics • JROTC 1 <p><i>PE substitution – may receive up to one substitution credit for participating in any one of the courses below:</i></p> <ul style="list-style-type: none"> • Drill Team • Marching Band • Cheerleading | <p>Physical Education- 1 credit <i>The required credit may be selected from any combination of the following ½ to one credit courses:</i></p> <ul style="list-style-type: none"> • Foundations of Personal Fitness • Adventure/Outdoor Education • Aerobic Activities • Team or Individual Sports • Athletics • JROTC 1 <p><i>PE substitution – may receive up to one substitution credit for participating in any one of the courses below:</i></p> <ul style="list-style-type: none"> • Drill Team • Marching Band • Cheerleading |
| <p>Speech- ½ credit <i>The ½ credit may be selected from the following courses:</i></p> <ul style="list-style-type: none"> • Professional Communications | <p>Speech- ½ credit <i>The ½ credit may be selected from the following courses:</i></p> <ul style="list-style-type: none"> • Professional Communications | <p>Speech- ½ credit <i>The ½ credit may be selected from the following courses:</i></p> <ul style="list-style-type: none"> • Professional Communications |

| | | |
|---|---|---|
| <p>Fine Arts- 1 credit <i>The required credit may be selected from one full credit from the following courses:</i></p> <ul style="list-style-type: none"> • Art (Level I, II, III, or IV) • Dance (Level I, II, III, or IV) • Music (Level I, II, III, or IV) • Theatre (Level I, II, III, or IV) • Principles and Elements of Floral Design | <p>Fine Arts- 1 credit <i>The required credit may be selected from one full credit from the following courses:</i></p> <ul style="list-style-type: none"> • Art (Level I, II, III, or IV) • Dance (Level I, II, III, or IV) • Music (Level I, II, III, or IV) • Theatre (Level I, II, III, or IV) • Principles and Elements of Floral Design | <p>Fine Arts- 1 credit <i>The required credit may be selected from one full credit from the following courses:</i></p> <ul style="list-style-type: none"> • Art (Level I, II, III, or IV) • Dance (Level I, II, III, or IV) • Music (Level I, II, III, or IV) • Theatre (Level I, II, III, or IV) • Principles and Elements of Floral Design |
|---|---|---|

Appendix B

This appendix defines courses that may be taken as advanced courses in the Endorsement Graduation Plan for students entering high school in 2014-2015.

English language arts--four credits. Three of the credits must consist of English I, II, and III. The additional credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses:

- (A) English IV;
- (B) Independent Study in English;
- (C) Literary Genres;
- (D) Creative Writing;
- (E) Research and Technical Writing;
- (F) Humanities;
- (G) Public Speaking III;
- (H) Oral Interpretation III;
- (I) Debate III;
- (J) Independent Study in Journalism;
- (K) Advanced Broadcast Journalism III;
- (L) Advanced Journalism: Newspaper III;
- (M) Advanced Journalism: Yearbook III;
- (N) Advanced Placement (AP) English Literature and Composition;
- (O) Business English

Mathematics--three credits. Two of the credits must consist of Algebra I and Geometry.

(A) The additional credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses or a credit selected from the courses listed in subparagraph (B) of this paragraph [if taken before the additional mathematics credit required for a student to earn an endorsement] :

- (i) Mathematical Models with Applications;
- (ii) Mathematical Applications in Agriculture, Food, and Natural Resources;
- (iii) Digital Electronics; and
- (iv) Robotics Programming and Design.

(C) The additional credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses:

- (i) Algebra II;
- (ii) Precalculus;
- (iii) Advanced Quantitative Reasoning;
- (iv) AP Statistics;
- (v) AP Calculus AB;
- (vi) AP Calculus BC;
- (vii) AP Computer Science;
- (viii) Engineering Mathematics;
- (ix) Statistics and Risk Management;

Science--three credits. One credit must consist of Biology, AP Biology, or IB Biology.

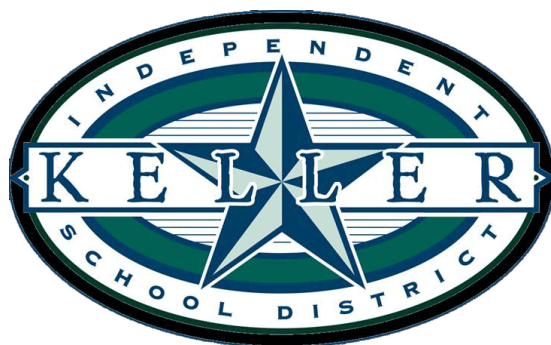
A) One credit must be selected from the following laboratory-based courses:

- (i) Integrated Physics and Chemistry;
- (ii) Chemistry;
- (iii) AP Chemistry;
- (iv) Physics;
- (v) Principles of Technology;
- (vi) AP Physics 1: Algebra-Based; and

B) The additional credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following laboratory-based courses:

- (i) Chemistry;
- (ii) Physics;

- (iii) Aquatic Science;*
 - (iv) Astronomy;*
 - (v) Earth and Space Science;*
 - (vi) Environmental Systems;*
 - (vii) AP Biology;*
 - (viii) AP Chemistry;*
 - (ix) AP Physics 1: Algebra-Based;*
 - (x) AP Physics 2: Algebra-Based;*
 - (xi) AP Physics C;*
 - (xii) AP Environmental Science;*
 - (xiii) Advanced Animal Science;*
 - (xviii) Advanced Plant and Soil Science;*
 - (xix) Anatomy and Physiology;*
 - (xx) Medical Microbiology;*
 - (xxi) Pathophysiology;*
 - (xxii) Food Science;*
 - (xxiii) Forensic Science;*
 - (xxiv) Advanced Biotechnology;*
 - (xxv) Principles of Technology;*
 - (xxvi) Scientific Research and Design;*
 - (xxvii) Engineering Design and Problem Solving;*
 - (xxviii) Principles of Engineering;*
- (C) Credit may not be earned for both physics and Principles of Technology to satisfy science requirement.*



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