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FERRIS HIGH SCHOOL COURSE DESCRIPTIONS

Core Classes
- English/Language Arts
- Mathematics
- Science
- Social Studies

Career and Technology Education
- Agriculture, Food & Natural Resources - Animal Science
- Agriculture, Food & Natural Resources - Plant Science
- Agriculture, Food & Natural Resources - Agricultural Technology (Welding)
- Carpentry & Masonry
- Arts, Audio/Video Technology, And Communications
- Business, Marketing & Finance - Business Management
- Education & Training - Teacher Internship
- Healthcare Diagnostic & Therapeutic Services
- Exercise Science, Wellness & Restoration
- Family & Community Services
- STEM - Cybersecurity
- Drone - Unmanned Vehicle

Electives
- General Electives
- Languages Other Than English
- Fine Arts
- Physical Education & Athletics

Appendix: CTE Programs of Study

*Information contained in this course guide is subject to change by the Texas Education Agency or action by the Ferris ISD board of Trustees. Please consult with your student's guidance counselor for individual planning questions and clarification. All courses included in this course guide may not be offered every year.
Foundation High School Program & Endorsements

The Foundation High School Program allows a student to earn an endorsement in one of five areas:

- Arts and Humanities
- Multidisciplinary Studies
- STEM (Science, Technology, Engineering, and Mathematics)
- Business and Industry
- Public Service

Each endorsement includes 26 credits, 22 of which comprise the foundation core. Students are required to select an Endorsement upon entering 9th grade. If the student chooses to change their plan, the student's parent or other person standing in parental relation to the student, and a school counselor or school administrator must agree in writing that the student should be permitted to change any plan. A student may not opt-out of an endorsement until after their sophomore year per TAC 74.11D.

Endorsements With Options

<table>
<thead>
<tr>
<th>Arts &amp; Humanities Endorsement</th>
<th>Multidisciplinary Endorsement</th>
<th>STEM Endorsement*</th>
<th>Business and Industry Endorsement</th>
<th>Public Services Endorsement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from the Options Below:</td>
<td>Select from the Options Below:</td>
<td>Select from the Options Below: *Requires Alg II, Chemistry, and Physics or Principles of Technology</td>
<td>In order for a student to receive a CTE endorsement, students will complete a coherent sequence of 3 or more courses for 4 or more credits within that endorsement area with the last course being a level 3 or 4 course. Students will also be prepared to take the indicated Industry Based Certification aligned with the program.</td>
<td></td>
</tr>
<tr>
<td>Social Studies- 5 credits in Social Studies</td>
<td>4x4 4 credits in English (including English IV) 4 credits in math 4 credits in science (including chemistry, physics, or principles of technology) 4 credits in social studies</td>
<td>Mathematics 5 Math Credits including 2 advanced math courses beyond Algebra II for which Algebra II is a prerequisite.</td>
<td>Animal Science Agricultural Technology &amp; Mechanical Systems (Welding) Business Management Carpentry Cybersecurity (may also be STEM) Digital Communications Drone - Unmanned Vehicle Graphic Design &amp; Interactive Media (Yearbook)</td>
<td>Diagnostic &amp; Therapeutic Services Exercise Science, Wellness &amp; Restoration Family &amp; Community Services Teaching &amp; Training</td>
</tr>
<tr>
<td>One Language- 4 credits of the same foreign language</td>
<td>AP or Dual Credit 4 Credits of AP and/or Dual Credit courses in: ★ English ★ Math ★ Science ★ Social Studies ★ Foreign Language ★ Fine Arts</td>
<td>Science 5 Science credits including Biology, Chemistry, Physics or Principles of Technology, and two additional science courses (not including IPC).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two Languages- 2 levels each in two languages other than English</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Arts- 4 credits from one or two of these areas: Music, Band, Theater, Art</td>
<td>Advanced Combo 4 Advanced Courses from other Endorsement areas</td>
<td>STEM Combo Combo of math and science - See counselor for details CTE STEM: Cybersecurity</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Requires Alg II, Chemistry, and Physics or Principles of Technology.
# Foundation Graduation Plans

**Ferris ISD Graduation Requirements**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Foundation Plan <strong>Requires Approval</strong></th>
<th>Foundation Plus Endorsement Plan</th>
<th>Distinguished Level of Achievement <strong>REQUIRED for Top 10%</strong></th>
<th>STAAR END OF COURSE ASSESSMENT REQUIRED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Credits</td>
<td>Credits</td>
<td>Credits</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>English I</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>English II</td>
</tr>
<tr>
<td>Math</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>Algebra I</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(Must take Algebra II)</td>
</tr>
<tr>
<td>Science</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>Biology</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>US History</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Fine Arts</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Dollars &amp; Sense</td>
<td>.5</td>
<td>.5</td>
<td>.5</td>
<td></td>
</tr>
<tr>
<td>Professional Communications (Speech)</td>
<td>.5</td>
<td>.5</td>
<td>.5</td>
<td></td>
</tr>
<tr>
<td>Electives (to include required courses for selected endorsement)</td>
<td>6</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits for Graduation</strong></td>
<td><strong>22</strong></td>
<td><strong>26</strong></td>
<td><strong>26</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Distinguished Level of Achievement:**
- Complete the Foundation Program and Earn at least one Endorsement
- 4 math credits to include Algebra II
- 4 science credits

*Only DLA graduates are eligible for the top 10% honors and automatic admission to most Texas public colleges and universities and TEXAS grant eligibility.*

**Performance Acknowledgements**
- Students will earn Performance Acknowledgements on their transcript for outstanding performance in any of the following areas:
  - At least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0;
  - A score of 3 or above on a College Board Advanced Placement examination
  - Earn an associate degree while in high school.
  - Bilingualism or Bi-literacy certification upon completion of requirements
  - ACT and SAT score (SAT reading and math - 1310 or better) or ACT composite of 28 or better
  - Earn a state-recognized or nationally/internationally recognized industry based certification/license
TEXAS FIRST EARLY HIGH SCHOOL COMPLETION PROGRAM

The Texas First Diploma is a 22 credit plan where students graduate early and earn a scholarship at participating institutions.

Students who graduate two or more semesters before their class receive a two-semester scholarship, equivalent to the amount of the TEXAS grant, to a participating university listed below. Students who graduate one semester early receive a one-semester scholarship to a participating university. Students may also be eligible for additional financial aid at most of these institutions.

<table>
<thead>
<tr>
<th>Texas A&amp;M University</th>
<th>The University of Texas at Austin</th>
<th>The University of Texas at El Paso</th>
</tr>
</thead>
<tbody>
<tr>
<td>Texas Tech University</td>
<td>The University of Texas at Arlington</td>
<td>The University of Texas at San Antonio</td>
</tr>
<tr>
<td>University of North Texas</td>
<td>University of Houston</td>
<td>Texas State University</td>
</tr>
<tr>
<td>The University of Texas at Dallas</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The Texas First Diploma does not guarantee automatic admission for students. A student should consult their counselor for guidance on whether the student's grade point average at graduation qualifies the student for automatic admission under the state's top 10 percent law.

Students who graduate early with a Texas First Diploma may apply to any college or university they choose. However, the scholarship will only apply toward the participating universities listed above.

The scholarship offer will expire at the end of the first academic year following a student's graduation, so students are encouraged to attend college directly after high school.

**Student Eligibility**

Eligible students must demonstrate college readiness in academics and attitude. Eligibility requirements include the following:

- Texas residency
- FAFSA or TASFA completion
- At least 22 high school credits in any area
- Final GPA equivalent to 3.0 or higher on a 4.0 scale
- Overall score in at least the 80th percentile on one or more of the following assessments: ACT, SAT, PSAT/NMSQT, TSIA/TSIA2, or GED; or, alternatively, a GPA in the top 10 percent of the student's class
- Completion of the STAAR EOC exams in English I or II, Algebra I, and Biology, or completion of eligible substitute assessments
- Demonstration of mastery in each subject area of English/Language Arts, Mathematics, Science, Social Studies, and a language other than English
- Students should contact their counselor to learn more about this program and verify their eligibility.

**PERSONAL GRADUATION PLANS**

A personal graduation plan will be developed for each high school student. A student must specify upon entering grade 9 which endorsement he or she wishes to pursue. The district encourages all students to pursue a personal graduation plan that includes the completion of at least one endorsement and to graduate with the distinguished level of achievement.

Attainment of the distinguished level of achievement entitles a student to be considered for automatic admission to a public four-year college or university in Texas, depending on his or her rank in class. The school will review personal graduation plan
options with each student entering grade 9 and his or her parent. The student's personal graduation plan will outline an appropriate course sequence based on the student's choice of endorsement.

TESTING REQUIREMENTS FOR GRADUATION

STAAR end-of-course (EOC) assessments are administered for the following courses:

- Algebra I
- English I and English II
- Biology
- U.S. History

Satisfactory performance on the applicable assessments is required for graduation, unless waived or substituted as allowed by state law and rules. There are three testing windows during the year in which a student may take an EOC assessment. The windows occur in the fall, spring, and summer months. If a student does not meet satisfactory performance, the student will have opportunities to retake the assessment.

STAAR Alternate 2 is available for eligible students receiving special education services who meet certain criteria established by the state as determined by the student's ARD committee. An admission, review, and dismissal (ARD) committee for a student receiving special education services will determine whether successful performance on the EOC assessments will be required for graduation within the parameters identified in state rules and the student's personal graduation plan (PGP).

If a student does not perform satisfactorily on an EOC, the district will provide accelerated instruction. Failure of a student to attend accelerated instruction may result in violations of required school attendance.

COURSE CREDIT & GRADE-LEVEL CLASSIFICATION

Certificates of Coursework Completion: A certificate of coursework completion may be issued to a student who has successfully completed state and local credit requirements for graduation but has not yet demonstrated satisfactory performance on the state-mandated tests required for graduation.

Course Credit: A student at any grade level enrolled in a high school course will earn credit for the course only if the final grade is 70 or above. For a two-part (two-semester, 1-credit course), the student's grades from both halves (semesters) will be averaged and credit will be awarded if the combined average is 70 or above. If the student's combined average is less than 70, the student will be awarded credit only for the half (semester) with the passing grade.

Credit by Examination:
If a Student Has Taken the Course/Subject: A student who has previously taken a course or subject but did not receive credit or a final grade for it may, in circumstances determined by the principal or attendance committee, be permitted to earn credit or a final grade by passing an examination approved by the district's board of trustees on the essential knowledge and skills defined for that course or subject. Examples of prior instruction include incomplete coursework due to a failed course or excessive absences, homeschooling, or coursework by a student transferring from a nonaccredited school. The opportunity to earn credit by examination after the student has had prior instruction is sometimes referred to as "credit recovery." If the student is granted approval to take an examination for this purpose, the student must score at least 70 on the examination to receive credit for the course or subject. The attendance review committee may also offer a student with excessive absences an opportunity to earn credit for a course by passing an examination.

Credit by Examination for Advancement/Acceleration:
If a Student Has Not Taken the Course/Subject: A student will be permitted to earn credit by examination for an academic course or subject area for which the student had no prior instruction for advancement or to accelerate to the next grade level. The examinations offered by the district are approved by the district's board of trustees. Testing windows for these examinations will be published in district publications and on the district's website. A student may take a specific examination only once per testing window. The only exceptions to the published testing windows will be for examinations administered by another entity or to accommodate a student experiencing homelessness or a student involved in the foster care system. When another entity administers an examination, the student and the district must comply with the testing schedule of the other entity. If a student plans to take an examination, the student or parent must register with the school counselor no later than 30 days prior to the scheduled testing date.
Students in Grades 6–12 A student in grade 6 or above is eligible to earn course credit with:
• A passing score of at least 80 on an examination approved by the board; or
• A scaled score of 50 or higher on an examination administered through the College Level Examination Program (CLEP), or
• A score of 3 or higher on an AP examination, as applicable.
A student may take an examination to earn high school course credit no more than twice. If a student fails to achieve the designated score on the applicable exam before the beginning of the school year in which the student would need to enroll in the course according to the school's high school course sequence, the student must complete the course.

Grade-Level Classification:
Grade-level advancements for students in grades 9-12 are determined by earned course credits. After the ninth grade, students are classified according to the number of credits earned toward graduation.

<table>
<thead>
<tr>
<th>Credits Earned</th>
<th>Grade Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 - 12.5</td>
<td>10th - Sophomore</td>
</tr>
<tr>
<td>13.0 - 17.5</td>
<td>11th - Junior</td>
</tr>
<tr>
<td>18.0 +</td>
<td>12th - Senior</td>
</tr>
</tbody>
</table>

EARNING COLLEGE CREDITS WHILE IN HIGH SCHOOL

Students in grades 9–12 may earn college credit through the following opportunities:
• Certain courses taught at the high school campus, which may include courses termed dual credit, Advanced Placement (AP), International Baccalaureate (IB), or college preparatory;
• Enrollment in AP or dual credit courses through the Texas Virtual School Network (TXVSN);
• Enrollment in courses taught in conjunction and in partnership with Navarro College, Texas State Technical College, University of Texas, and other higher education partners, which may be offered on or off campus;
• Enrollment in courses taught at other colleges or universities; and
• Certain Career and Technical Education (CTE) courses.

All these methods have eligibility requirements and must be approved prior to enrollment in the course. Please see the school counselor for more information. Depending on the student's grade level and the course, a state-mandated end-of-course assessment may be required for graduation.

Not all colleges and universities accept credit earned in all dual credit or AP courses taken in high school for college credit. Students and parents should check with the prospective college or university to determine if a particular course will count toward the student's desired degree plan.

GRADE POINT AVERAGE (GPA) & CLASS RANKING

The following courses shall NOT be included in the calculation of class rank: Physical Education, Athletics I-IV, Athletic Trainer, Cheerleading, Student Aide, High School courses taken in Junior High, College courses completed off-site, Community Service, Summer School courses, Distance Learning Courses, Credit Recovery courses, and Credit-by-Exam or Exams for Acceleration.

Weighted Courses
For purposes of class rank calculation, the following courses shall be classified and weighted as Advanced courses: Pre-AP Courses, Honors Courses, Dual Credit Courses, Dual Enrollment Courses, & AP Courses.
**Weighted Grading Scale** - The District shall convert semester grades earned in eligible courses to grade points in accordance with the following chart and shall calculate a weighted grade point average (GPA).

<table>
<thead>
<tr>
<th>Grade</th>
<th>GPA LEVEL 1</th>
<th>GPA LEVEL 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>4</td>
<td>5.5</td>
</tr>
<tr>
<td>99</td>
<td>3.9</td>
<td>5.4</td>
</tr>
<tr>
<td>98</td>
<td>3.8</td>
<td>5.3</td>
</tr>
<tr>
<td>97</td>
<td>3.7</td>
<td>5.2</td>
</tr>
<tr>
<td>96</td>
<td>3.6</td>
<td>5.1</td>
</tr>
<tr>
<td>95</td>
<td>3.5</td>
<td>5</td>
</tr>
<tr>
<td>94</td>
<td>3.4</td>
<td>4.9</td>
</tr>
<tr>
<td>93</td>
<td>3.3</td>
<td>4.8</td>
</tr>
<tr>
<td>92</td>
<td>3.2</td>
<td>4.7</td>
</tr>
<tr>
<td>91</td>
<td>3.1</td>
<td>4.6</td>
</tr>
<tr>
<td>90</td>
<td>3</td>
<td>4.5</td>
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<tr>
<td>89</td>
<td>2.9</td>
<td>4.4</td>
</tr>
<tr>
<td>88</td>
<td>2.8</td>
<td>4.3</td>
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<tr>
<td>87</td>
<td>2.7</td>
<td>4.2</td>
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<tr>
<td>86</td>
<td>2.6</td>
<td>4.1</td>
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<tr>
<td>85</td>
<td>2.5</td>
<td>4</td>
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<tr>
<td>84</td>
<td>2.4</td>
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<td>80</td>
<td>2</td>
<td>3.5</td>
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<tr>
<td>79</td>
<td>1.9</td>
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<tr>
<td>78</td>
<td>1.8</td>
<td>3.3</td>
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<tr>
<td>77</td>
<td>1.7</td>
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<tr>
<td>76</td>
<td>1.6</td>
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</tr>
<tr>
<td>75</td>
<td>1.5</td>
<td>3</td>
</tr>
<tr>
<td>74</td>
<td>1.4</td>
<td>2.9</td>
</tr>
<tr>
<td>73</td>
<td>1.3</td>
<td>2.8</td>
</tr>
<tr>
<td>72</td>
<td>1.2</td>
<td>2.7</td>
</tr>
<tr>
<td>71</td>
<td>1.1</td>
<td>2.6</td>
</tr>
<tr>
<td>70</td>
<td>1</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**Class Rank Calculation**

The District shall apply the same class rank calculation method and rules for local graduation honors for all students in a graduating class, regardless of the school year in which a student first earned high school credit. The District shall include in the calculation of class rank semester grades earned in high school credit courses taken in grades 9-12 only, unless excluded in EIC(LOCAL). The calculation of class rank shall exclude grades earned in any distance learning course or through credit by examination, with or without prior instruction. This shall not apply to online dual credit courses offered through an approved college or university.
Transferred Grades
When a student transfers semester grades for courses that would be eligible under the Regular category and the District has accepted the credit, the District shall include the grades in the calculation of class rank. When a student transfers semester grades for courses that would be eligible to receive additional weight under the District’s weighted grade system, the District shall assign additional weight to the grades based on the categories and grade weight system used by the District.

Local Graduation Honors
For the purpose of determining honors to be conferred during graduation activities, the District shall calculate class rank in accordance with this policy and administrative regulations by using grades available at the time of calculation at the end of the third nine-weeks grading period of the senior year. The student's third nine weeks’ grades shall be used as the second semester grade for this purpose. For the purpose of applications to institutions of higher education, the District shall also calculate class rank as required by state law. The District’s eligibility criteria for local graduation honors shall apply only for local recognition and shall not restrict class rank for the purpose of automatic admission under state law.

Valedictorian and Salutatorian
The valedictorian and salutatorian shall be the eligible students with the highest and second highest ranking, respectively. Beginning with the graduating class of 2018 and thereafter, to be eligible for this local graduation honor, a student must: 1) Have been continuously enrolled in Ferris High School for the two years immediately preceding graduation; and 2) Be graduating after exactly eight semesters of enrollment in high school; and 3) Have completed the foundation program with the distinguished level of achievement.

Breaking Ties
In case of a tie in weighted GPAs after calculation to the fourth decimal place, the District shall calculate the weighted GPA using only eligible grades in Advanced courses taken while enrolled at the District high school by each student involved in the tie to determine recognition as valedictorian or salutatorian. If the tie is not broken after applying these methods, the District shall recognize all students involved in the tie as sharing the honor and title.

Highest-Ranking Graduate
The student meeting the local eligibility criteria for recognition as the valedictorian shall also be considered the highest-ranking graduate for purposes of receiving the honor graduate certificate from the state of Texas.

COLLEGE & UNIVERSITY AUTOMATIC ADMISSIONS
For two school years following graduation, a district student who graduates as valedictorian or in the top ten percent of his or her class is eligible for automatic admission into four-year public universities and colleges in Texas if the student:

• Completes the distinguished level of achievement under the foundation graduation program (a student must graduate with at least one endorsement and must have taken Algebra II as one of the four required math courses);

or

• Satisfies the ACT College Readiness Benchmarks or earns at least a 1500 out of 2400 on the SAT.

The student is ultimately responsible for meeting the admission requirements of the university or college, including timely submission of a completed application. Should a college or university adopt an admissions policy that automatically accepts the top 25 percent of a graduating class, the provisions above will also apply to a student ranked in the top 25 percent of his or her class.

The University of Texas at Austin may limit the number of automatically admitted students to 75 percent of the University’s enrollment capacity for incoming resident freshmen. During the summer and fall 2024 terms and spring 2025 term, the University will admit the top six percent of a high school's graduating class who meet the above requirements. Additional applicants will be considered by the University through a holistic review process.

As required by law, the district will provide written notice concerning automatic college admission, the curriculum requirements for financial aid, and the benefits of completing the requirements for automatic admission and financial aid. Parents and students will be asked to sign an acknowledgment that they received this information. Students and parents should contact the school counselor for further information about automatic admissions, the application process, and deadlines.
COLLEGE & CAREER ADMISSIONS TESTING

Armed Services Vocational Aptitude Battery Test (Grades 10–12) A student in grades 10–12 will be offered an opportunity to take the Armed Services Vocational Aptitude Battery test and consult with a military recruiter. The test shall be offered at least once per year at Ferris High School, and will be offered during the regular school day at a time that limits conflicts. Please contact your counselor for information about this opportunity.

The Preliminary SAT (PSAT) is a preparatory and readiness assessment for the SAT. Note: These assessments may qualify a student to receive a performance acknowledgment on the student's transcript under the foundation graduation program and may qualify as a substitute for an end-of-course testing requirement in certain circumstances. When taken during the junior year, the PSAT puts students in contention for the National Merit Scholarship Competition.

SAT & ACT (Scholastic Aptitude Test and American College Test) Many colleges require either the American College Test (ACT) or the Scholastic Aptitude Test (SAT) for admission. These assessments are usually taken at the end of the junior year. Students are encouraged to talk with the school counselor early during their junior year to learn about these assessments and determine the appropriate examination to take. More information about each test can be found at:

SAT: www.sat.collegeboard.org
ACT: www.actstudent.org

TSI (Texas Success Initiative 2.0) Exam Prior to enrollment in a Texas public college or university, most students must take a standardized test called the Texas Success Initiative (TSI) assessment. The TSI assesses the reading, mathematics, and writing skills that freshmen-level students need to perform effectively as undergraduates in Texas public colleges and universities. This assessment may also be required before a student enrolls in a dual credit course offered through the district. Achieving certain benchmark scores on this assessment may also waive certain end-of-course assessment requirements in limited circumstances.

FERRIS ISD COURSE DESCRIPTIONS

ENGLISH / LANGUAGE ARTS

English I
Recommended Grade Placement: 9
FHS Number: 1010
Credit: 1 GPAL: Level 1
Prerequisite: None
PEIMS ENG I 03220100

English I students are expected to plan, draft, and complete written compositions that are error-free on a regular basis. An emphasis is placed on organizing logical arguments with clearly expressed theses and evidence. Students read extensively in multiple genres, learning literary forms and terms and interpreting possible influences of the historical context on a literary work. *The state requires an EOC assessment at the end of this course.

English I - Honors
Recommended Grade Placement: 9

FHS Number: 1015
Credit: 1 GPAL: Level 2
Prerequisite: Recommended Meets or Masters score on 8th grade reading STAAR
PEIMS ENG I H 03220100

This class follows the TEKS of English I with advanced student expectations. Students will write to persuade, report, and describe while critically analyzing literary works up to two above grade level. Students will create a writing portfolio and develop advanced vocabulary skills. *The state requires an EOC assessment at the end of this course.

English I for Speakers of Other Languages
Recommended Grade Placement: 1st yr of ESL
FHS Number: 1018
Credit: 1 GPAL: Level 1
Prerequisite: LPAC Committee Placement
PEIMS ENG I SOL 03200600

This course is designed for students with limited English proficiency. It emphasizes English as it
applies to everyday life. Students will work toward mastery of individual goals and objectives of their secondary language program. *The state requires an EOC assessment at the end of this course.*

**Applied English I**  
Recommended Grade Placement: 9  
*FHS Number: 1012*  
Credit: 1  
GPAL: Level 1  
Prerequisite: ARD Committee Placement  
*PEIMS APPL ENG I 03220100*  
This course emphasizes English as it applies to everyday life. The students will work toward mastery of individual goals and objectives. Writing essays, basic grammar, parts of speech, and emphasis on writing skills. *The state requires an EOC assessment at the end of this course.*

**English II**  
Recommended Grade Placement: 10  
*FHS Number: 1020*  
Credit: 1  
GPAL: Level 1  
Prerequisite: English I  
al, and current implications and values of the themes/concepts developed in the readings. This course emphasizes strategies to help students master knowledge and skills required to pass STAAR English II End of Course exams.

**English II Honors**  
Recommended Grade Placement: 10  
*FHS Number: 1025*  
Credit: 1  
GPAL: Level 2  
Prerequisite: English I. Recommended Meets or Masters score on English I EOC.  
*PEIMS ENG 2 H 03220200*  
This class follows the TEKS of English II with advanced student expectations. Above grade-level literary works, advanced vocabulary skills, and continued development of a writing portfolio with extensive analytical compositions will be emphasized.

**Applied English II**  
Recommended Grade Placement: 10  
*FHS Number: 1022*  
Credit: 1  
GPAL: Level 1  
Prerequisite: English I. ARD Committee placement.  
*PEIMS APPL ENG 2 03220200*  
*PEIMS ENG 2 03220200*  
English II students are expected to plan, draft, and complete written, error-free compositions with an emphasis on persuasive forms of writing on a regular basis. Students read extensively in multiple genres, learning literary forms and terms, and be able to interpret, analyze, evaluate the literary, historical, and current implications and values of the themes/concepts developed in the readings.

**English II EOC**  
Recommended Grade Placement: 10  
*FHS Number: 1021*  
Credit: 1  
GPAL: Level 1  
Prerequisite: English I  
*PEIMS ENG 2 EOC 03220200*  
English II students are expected to plan, draft, and complete written, error-free compositions with an emphasis on persuasive forms of writing on a regular basis. Students read extensively in multiple genres, learning literary forms and terms, and are able to interpret, analyze, evaluate the literary, historic

This course emphasizes English as it applies to everyday life. The students will work toward mastery of individual goals and objectives.

**English II for Speakers of Other Languages**  
Recommended Grade Placement: 2nd yr of ESL  
*FHS Number: 1028*  
Credit: 1  
GPAL: Level 1  
Prerequisite: LPAC Committee Placement  
*PEIMS ENG 2I SOL 03200700*  
This course is designed for students with limited English proficiency. It emphasizes English as it applies to everyday life. Students will work toward mastery of individual goals and objectives of their secondary language program.

**English III**  
Recommended Grade Placement: 11  
*FHS Number: 1030*  
Credit: 1  
GPAL: Level 1  
Prerequisite: English II  
*PEIMS ENG 3 03220300*
English III students will plan, draft, and produce error-free compositions of various forms on a regular basis. Students read extensively in multiple genres from American literature and other world literature. Students will investigate, analyze, interpret, and evaluate various literary periods including pre-colonial, colonial, revolutionary, romanticism, idealism, realism, naturalism, and modern works. Students learn literary forms and terms associated with selections begin to read and interpret the possible influences of the historical context on a literary work.

**English III EOC**

Recommended Grade Placement: 11  
**FHS Number:** 1031  
Credit: 1  GPAL: Level 1  
**Prerequisite:** English II  
**PEIMS** EN 3 EOC  03220300

English III students will plan, draft, and produce error-free compositions of various forms on a regular basis. Students read extensively in multiple genres from American literature and other world literature. Students will investigate, analyze, interpret, and evaluate various literary periods including pre-colonial, colonial, revolutionary, romanticism, idealism, realism, naturalism, and modern works. Students who learn literary forms and terms associated with selections begin to read and interpret the possible influences of the historical context on a literary work. This course emphasizes strategies to help students master knowledge and skills required to pass STAAR English I and II End of Course exams.

**Applied English III**

Recommended Grade Placement: 10  
**FHS Number:** 1032  
Credit: 1  GPAL: Level 1  
**Prerequisite:** English II. ARD Committee placement.  
**PEIMS** APPL ENG 3  03220300

This course emphasizes English as it applies to everyday life. The student will work toward mastery of individual goals and objectives.

**Composition I - Dual Credit (English 1301)**

Recommended Grade Placement: 11-12  
**FHS Number:** 1036A (11th) 1037A (12th)  
Credit: 0.5  **College Credit:** 3 hours

**GPAL: Level 2**  
**Prerequisite:** English II & Meet dual credit eligibility (TSI)  
**PEIMS** ENG 1301  03220300 / 03220400

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. This course satisfies one semester of English III or English IV credit.

**English IV**

Recommended Grade Placement: 12  
**FHS Number:** 1040  
Credit: 1  GPAL: Level 1  
**Prerequisite:** English III  
**PEIMS** ENG 4  03220400

English IV students are expected to plan, draft, and produce final, error-free compositions in a variety of forms, including business, personal, literary, and persuasive texts. Students read extensively in multiple genres from British literature and other world literature including works from the following periods: old English, medieval, Renaissance, 17th century, 18th century, romantic, Victorian, and modern and postmodern.
Students learn literary forms and terms associated with selection being read and interpret the possible influences of the historical context on a literary work.

**College Prep English IV (Texas College Bridge)**
FHS Number: 1044  
Credit: 1  
GPAL: None  
Prerequisite: None  
PEIMS COLLEGEPREPELA CP110100

In this TSIA preparatory course, students will improve integrated critical reading and writing skills through engagement with a variety of texts across content areas and genres. As a result, students will be able to develop and express ideas clearly and effectively to communicate with various audiences for various purposes and occasions. This course is designed for students at the 12th grade level whose performance on an TSIA does not meet college readiness standards. The adaptive learning platform (Texas College Bridge) guides students through individualized college preparation courses in English, at their own pace.

**Applied English IV**
Recommended Grade Placement: 12  
FHS Number: 1042  
Credit: 1  
GPAL: Level 1  
Prerequisite: English III. ARD Committee Placement  
PEIMS APPL ENG 4 03220400

This course emphasizes English as it applies to everyday life. The students will work toward mastery of individual goals and objectives.

**American Literature I - Dual Credit (English 2327)**
Recommended Grade Placement: 12  
FHS Number: 1046A  
Credit: 0.5  
College Credit: 3 hours  
GPAL: Level 2  
Prerequisite: English 1301, 1302  
PEIMS ENG 2327 03220400

A survey of American literature from the period of exploration and settlement through the Civil War. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. This course satisfies one semester English IV credit.

**American Literature II - Dual Credit (English 2327)**
Recommended Grade Placement: 12  
FHS Number: 1046B  
Credit: 0.5  
College Credit: 3 hours  
GPAL: Level 2  
Prerequisite: English 1301, 1302  
PEIMS ENG 2328 03220400

A survey of American literature from the Civil War to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. This course satisfies one semester English IV credit.

**Debate I, II, III,**
Recommended Grade Placement: 9-12  
FHS Number: 1110, 1120, 1130  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: Public Speaking I  
PEIMS DEBATE I, 2, 3 03240600, 03240700, 03240800

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.

**Reading I, II, III,**
Recommended Grade Placement: 9-12  
FHS Number: 1300, 1302, 1303  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: ARD Placement Committee  
PEIMS READ I, 2, 3 03270700, 03270800, 03270900

These courses are designed to help students become more skillful readers. Emphasis is placed on reading strategies which enhance reading skills and reading comprehension, vocabulary development, skills for standardized testing, and an appreciation for reading.
all types of texts. (A special section is set aside for students identified as dyslexic. Students can only be placed into this section at parent request and counselor approval.) Some instruction is individualized and students may enter either semester for a half-year or full-year program. A maximum of three credits in reading will apply toward graduation.

**Introduction to Speech Communication - Dual Credit**
Recommended Grade Placement: 9-12
FHS Number 8998
Credit: 0.5 GPAL: Level 2
Prerequisite: Meet Eligibility for Dual Credit (TSI)
PEIMS SPEECH 1311 03241400

Theory and practice of speech communication behavior in one-to-one, small group, and public communication situations are introduced. Students learn more about themselves, improve skills in communicating with others, and prepare and deliver formal public speeches.

**Professional Communications (Speech)**
Recommended Grade Placement: 9-12
FHS Number: 8999
Credit: 0.5 GPAL: Level 1
Prerequisite: None
PEIMS PROFCOMM 13009900

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy requires 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 context, 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. **This course is a graduation requirement.**

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**MATHEMATICS**

**Algebra I**
Recommended Grade Placement: 9
FHS Number: 2010
Credit: 1.0 GPAL: Level 1
Prerequisite: None
PEIMS ALG1 03100500

Students will use symbols to study relationships among quantities. These functional relationships will allow students to set up and solve equations. Use of technology in the form of graphing calculators will allow table building, coordinate graphing, algebraic analysis and computation.

**Applied Algebra I**
Recommended Grade Placement: 9
FHS Number: 2110
Credit: 1.0 GPAL: Level 1
Prerequisite: ARD Committee placement
PEIMS APPLIED ALG1 03100500

This course emphasizes math as it applies to everyday life. Students work on individual goals and objectives in relation to Algebra I TEKS.

**Algebraic Reasoning**
Recommended Grade Placement: 10-12
FHS Number: 2013
Credit: 1.0 GPAL: Level 1
Prerequisite: Algebra I
PEIMS ALGREA 03102540

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college
readiness such as probes, measurement tools, and software tools, including spreadsheets.

**Applied Algebraic Reasoning**
Recommended Grade Placement: 9
*FHS Number:* 2120
Credit: 1.0  GPAL: Level 1
Prerequisite: Algebra I

**Geometry**
Recommended Grade Placement: 9-12
*FHS Number:* 2020
Credit: 1.0  GPAL: Level 1
Prerequisite: Algebra I

**Geometry Honors**
Recommended Grade Placement: 9-12
*FHS Number:* 2025
Credit: 1.0  GPAL: Level 2
Prerequisite: Algebra I

**Applied Geometry**
Recommended Grade Placement: 9-12
*FHS Number:* 2130
Credit: 1.0  GPAL: Level 1
Prerequisite: ARD Committee placement

**Math Models With Applications**
Recommended Grade Placement: 10-12
*FHS Number:* 2034
Credit: 1.0  GPAL: Level 1
Prerequisite: Algebra I

This course emphasizes math as it applies to everyday life. Students work on individual goals and objectives in relation to Algebraic Reasoning TEKS.

**Geometry**
Recommended Grade Placement: 9-12
*FHS Number:* 2020
Credit: 1.0  GPAL: Level 1
Prerequisite: Algebra I

**Geometry Honors**
Recommended Grade Placement: 9-12
*FHS Number:* 2025
Credit: 1.0  GPAL: Level 2
Prerequisite: Algebra I

This course covers the content of Geometry and goes beyond the regular course in both content and depth. It is designed for students showing an advanced aptitude towards mathematics. Students will study at an advanced level and pace.

**Applied Geometry**
Recommended Grade Placement: 9-12
*FHS Number:* 2130
Credit: 1.0  GPAL: Level 1
Prerequisite: ARD Committee placement

**Applied Algebraic Reasoning**
Recommended Grade Placement: 9
*FHS Number:* 2120
Credit: 1.0  GPAL: Level 1
Prerequisite: Ard Committee placement

**PEIMS APPLIED ALGREA 03102540**

This course emphasizes math as it applies to everyday life. Students work on individual goals and objectives in Geometry.

**Geometry**
Recommended Grade Placement: 9-12
*FHS Number:* 2020
Credit: 1.0  GPAL: Level 1
Prerequisite: Algebra I

**Geometry Honors**
Recommended Grade Placement: 9-12
*FHS Number:* 2025
Credit: 1.0  GPAL: Level 2
Prerequisite: Algebra I

**Applied Geometry**
Recommended Grade Placement: 9-12
*FHS Number:* 2130
Credit: 1.0  GPAL: Level 1
Prerequisite: ARD Committee placement

**Math Models With Applications**
Recommended Grade Placement: 10-12
*FHS Number:* 2034
Credit: 1.0  GPAL: Level 1
Prerequisite: Algebra I

**Geometry**
Recommended Grade Placement: 9-12
*FHS Number:* 2020
Credit: 1.0  GPAL: Level 1
Prerequisite: Algebra I

**Geometry Honors**
Recommended Grade Placement: 9-12
*FHS Number:* 2025
Credit: 1.0  GPAL: Level 2
Prerequisite: Algebra I

**Applied Geometry**
Recommended Grade Placement: 9-12
*FHS Number:* 2130
Credit: 1.0  GPAL: Level 1
Prerequisite: ARD Committee placement

**Applied Algebraic Reasoning**
Recommended Grade Placement: 9
*FHS Number:* 2120
Credit: 1.0  GPAL: Level 1
Prerequisite: Ard Committee placement

**PEIMS APPLIED ALGREA 03102540**

Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. This mathematics course provides a path for students to succeed in Algebra II and prepares them for various post-secondary choices. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems.

**Algebra II**
Recommended Grade Placement: 10-12
*FHS Number:* 2030
Credit: 1.0  GPAL: Level 1
Prerequisite: Geometry

**Algebra II Honors**
Recommended Grade Placement: 10-12
*FHS Number:* 2029
Credit: 1.0  GPAL: Level 2
Prerequisite: Geometry

**Applied Algebraic Reasoning**
Recommended Grade Placement: 9
*FHS Number:* 2120
Credit: 1.0  GPAL: Level 1
Prerequisite: Ard Committee placement

**PEIMS APPLIED ALGREA 03102540**

Algebra II extends concepts and skills learned in Algebra I. Use of graphing calculators will allow data handling and analysis, along with table building, coordinate graphing, algebraic analysis, and computation. Students will develop logical reasoning by making and justifying generalizations based on their experiences with fundamental algebraic concepts.

**Algebra II Honors**
Recommended Grade Placement: 10-12
*FHS Number:* 2029
Credit: 1.0  GPAL: Level 2
Prerequisite: Geometry

**Applied Algebraic Reasoning**
Recommended Grade Placement: 9
*FHS Number:* 2120
Credit: 1.0  GPAL: Level 1
Prerequisite: Ard Committee placement

**PEIMS APPLIED ALGREA 03102540**

Algebra II Honors moves at a faster pace, incorporates a deeper conceptual understanding, and prepares students for future success in Advanced math courses.
Financial Mathematics (CTE)
Recommended Grade Placement: 10-12
FHS Number: 2080
Credit: 1.0 GPAL: Level 1
Prerequisite: Algebra I
PEIMS FINMATH 13018000

Financial Mathematics is a course about personal money management. Students will apply critical thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Math will integrate career and postsecondary education planning into financial decision making. This course satisfies a high school mathematics graduation requirement.

Financial Mathematics TSI (CTE)
Recommended Grade Placement: 10-12
FHS Number: 2081
Credit: 1.0 GPAL: Level 1
Prerequisite: Algebra I
PEIMS FINMATH 13018000

Financial Mathematics is a course about personal money management. Students will apply critical thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Math will integrate career and postsecondary education planning into financial decision making. Additionally, students will work through Texas College Bridge to complete TSI based online college preparatory courses, strengthening their math skills prior to enrolling in college and setting them on a path to postsecondary success. This course satisfies a high school mathematics graduation requirement.

College Prep Math (Texas College Bridge)
Recommended Grade Placement: 12
FHS Number: 2040
Credit: 1.0 GPAL: None
Prerequisite: None
PEIMS COLLEGEPREPMTH CP111200

Topics include real numbers, basic geometry, polynomials, factoring, linear equations, inequalities, quadratic equations, rational expressions, factoring techniques, radicals, algebraic functions, complex numbers, graphing linear equations/inequalities, quadratic equations, systems of equations, graphing quadratic equations and an introduction to functions.

This course is designed for students at the 12th grade level whose performance on an EOC assessment instrument does not meet college readiness standards or whose performance on coursework, a college entrance examination, or an assessment instrument designated under Section 51.3062(c) indicates that the student is not ready to perform entry-level college coursework.

Applied Financial Mathematics (CTE)
Recommended Grade Placement: 12
FHS Number: 2140
Credit: 1.0 GPAL: Level 1
Prerequisite: ARD Committee placement
PEIMS APPLIEDFINMTH 13018000

This course emphasizes math as it applies to everyday life. Students work on individual goals and objectives. Financial Mathematics is a course about personal money management. Students will apply critical thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Math will integrate career and postsecondary education planning into financial decision making.

Pre-Calculus Honors
Recommended Grade Placement: 11-12
FHS Number: 2041
Credit: 1.0 GPAL: Level 2
Prerequisite: Algebra II, Geometry
PEIMS PRE CALC H 03101100

Pre-Calculus Honors moves at a faster pace, incorporates a deeper conceptual understanding and prepares students for future success in AP math courses. This course is designed for the student who intends to continue on to Calculus or pursue a field requiring advanced math in college.

College Algebra (MATH 1314) Dual Credit
Recommended Grade Placement: 11-12
FHS Number: 2045
Credit: 0.5 College Credit: 3 hours
GPAL: Level 2
Prerequisite: Meeting college algebra standards on the TSI exam or equivalent exam.
PEIMS INSTUMTH 03102500

This course is an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using
matrices. Additional topics such as sequences, series, probability, and conics may be included. This course is cross-listed as MATH 1414. The student may register for either MATH 1314 or MATH 1414 but may receive credit for only one of the two.

**Plane Trigonometry (MATH 1316) Dual Credit**
Recommended Grade Placement: 11-12  
*FHS Number: 2048*  
Credit: 0.5  
*College Credit: 3 hours*  
GPAL: Level 2  
Prerequisite: College Algebra 1314  
*PEIMS INSTUMTH 03102500*

In depth study and applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates, and parametric equations may be included.

**Elementary Statistical Methods (MATH 1342) Dual Credit**
Recommended Grade Placement: 11-12  
*FHS Number: 2046*  
Credit: 0.5  
*College Credit: 3 hours*  
GPAL: Level 2  
Prerequisite: College Algebra 1314  
*PEIMS STAT 03102530*

This course is a study of collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended.

**SCIENCE**

**Integrated Physics and Chemistry (IPC)**
Recommended Grade Placement: 9-10  
*FHS Number: 3021*  
Credit: 1.0  
GPAL:  
Prerequisite: Level 1  
*PEIMS IPC 03060201*

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific practices during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter. **IPC must be taken prior to Chemistry and Physics.**

**Biology**
Recommended Grade Placement: 9  
*FHS Number: 3010*  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: None  
*PEIMS BIO 03010200*

This course is designed to acquaint the student with plant and animal life. Importance will be placed on surveying the plant and animal kingdoms, with emphasis on understanding the structure and functions of living organisms. The student will be provided basic skills and today’s biological issues. This is a required science for graduation and is recommended for all ninth graders.

**Biology Honors**
Recommended Grade Placement: 9  
*FHS Number: 3015*  
Credit: 1.0  
GPAL: Level 2  
Prerequisite: Recommended Meets or Masters on the 8th grade STAAR  
*PEIMS BIO H 03010200*

Biology Honors moves at a faster pace, incorporates a deeper understanding, and prepares students for future success in AP science courses.

**Chemistry**
Recommended Grade Placement: 10-12  
*FHS Number: 3020*  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: Biology and Algebra I  
*PEIMS CHEM 03040000*

Chemistry is the study of the composition and structure of matter and its changes. Fundamental laws, theories, the periodic table, naming compounds, chemical bonding, chemical reactions, solutions, and acid base reactions are some of the topics covered. Laboratory investigations, understanding chemical concepts, reasoning skills and student awareness of the scientific world are emphasized.
Environmental Systems
Recommended Grade Placement: 11-12
FHS Number: 3030
Credit: 1.0 GPAL: Level 1
Prerequisite: Biology (required) and one additional physical science credit (recommended).
PEIMS ENVIRSYS 03020000

Environmental Systems is a laboratory based course that uses scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habits; 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. This course is a holistic overview of students to make the decisions that shape the future of our world.

Physics
Recommended Grade Placement: 10-12
FHS Number: 3040
Credit: 1.0 GPAL: Level 1
Prerequisite: Algebra 1 is suggested as a prerequisite or co-requisite
PEIMS PHYSICS 03050000

In Physics, students conduct laboratory and field investigations, use scientific practices 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, characteristics and behavior of waves, and electricity and magnetism. Students will apply conceptual knowledge and collaborative skills to experimental design, implementation, and interpretation. By the end of Grade 12, students are expected to gain sufficient knowledge of the scientific and engineering practices across the disciplines of science to make informed decisions using critical thinking and scientific problem solving.

Anatomy and Physiology (CTE)
Recommended Grade Placement: 11-12
FHS Number: 3070

Credit: 1 GPAL: Level 1
Prerequisite: Biology, Chemistry or IPC.PEIMS
PHYS/ANT 13020600

Anatomy and Physiology is a course geared to those students with an interest in medical, dental, or other health care careers. It includes an in-depth study of the human body's organ systems. The second semester focuses on practical application of anatomical knowledge through lab experiences that include detailed dissection. This course is extremely helpful for students who are considering a health-related career.

Principles of Technology (CTE)
Recommended Grade Placement: 11-12
FHS Number: 3060
Credit: 1.0 GPAL: Level 1
Prerequisite: Biology and Algebra I
PEIMS PRINTECH 13037100

In Principles of Technology, students will 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.

Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

Forensic Science (CTE)
Recommended Grade Placement: 11-12
FHS Number: 3080
Credit: 1.0 GPAL: Level 1
Prerequisite: Biology and Chemistry
PEIMS FORENSCI 13029500

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical
evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

**Biology I - Dual Credit (1406)**
Recommended Grade Placement: 11-12  
\*FHS Number: \* 3086 A  
Credit: 0.5 \*College credit: 4 hours  
GPAL: Level 2  
Prerequisite: Must meet eligibility for dual credit.(TSIA Reading/Writing met).  
**PEIMS \* SCIRD3 \* 13037220**

Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Study and examination of the concepts of cytology, reproduction, genetics, and scientific reasoning are included. Laboratory activities will reinforce these concepts.

**Biology II - Dual Credit (1407)**
Recommended Grade Placement: 11-12  
\*FHS Number: \* 3086 B  
Credit: 0.5 \*College credit: 4 hours  
GPAL: Level 2  
Prerequisite: Must meet eligibility for dual credit.(TSIA Reading/Writing met).  
**PEIMS \* SCIRD3 \* 13037220**

An introductory survey of current biological concepts for students majoring in the sciences. The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals. Laboratory activities will reinforce study of these concepts.

**Anatomy and Physiology I Dual Credit (Biol 2401)**
Recommended Grade Placement: 11-12  
\*FHS Number: \* 3081 A  
Credit: 0.5 \*College credit: 4 hours  
GPAL: Level 2  
Prerequisite: Biology 1406 with a C or better & Meet dual credit eligibility (TSI).  
**PEIMS \* PHYS/ANT I \* 13020600**

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

**Anatomy and Physiology II Dual Credit (Biol 2402)**
Recommended Grade Placement: 11-12  
\*FHS Number: \* 3081 B  
Credit: 0.5 \*College credit: 4 hours  
GPAL: Level 2  
Prerequisite: Biology 1406 with a C or better & Meet dual credit eligibility (TSI).  
**PEIMS \* PHYS/ANT II \* 13020600**

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Content may be either integrated or specialized.

**Food Science (CTE)**
Recommended Grade Placement: 11-12  
\*FHS Number: \* 3082  
Credit: 1.0 \*GPAL: Level 1  
Prerequisite: 3 units of science, including Biology and Chemistry.  
**PEIMS \* FOODSCI \* 13002300**

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.

Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

**AP Environmental Science**
Recommended Grade Placement: 11-12
_FHS Number:_ 3085
_Credit:_ 1.0  _GPAL:_ Level 2
_Prerequisite:_ Algebra I, Biology, and Chemistry

*PEIMS AP ENVIR  A3020000*

Explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. Students take part in laboratory investigations and field work. Skills learned include: explaining environmental concepts and processes, analyzing data, visual representations, and writings, applying quantitative methods in solving problems, proposing a solution for an environmental problem and supporting your idea with evidence, and analyzing a research study to identify a hypothesis. AP gives students the chance to take college-level work while they're still in high school. Through taking AP Exams, students can earn college credit and placement. More information on AP can be found at: [https://ap.collegeboard.org/](https://ap.collegeboard.org/)

Students are expected to take the Advanced Placement exam.

**World Geography Honors**
Recommended Grade Placement: 9-11
_FHS Number:_ 4015
_Credit:_ 1.0  _GPAL:_ Level 2
_Prerequisite:_ None
*PEIMS W GEO H 03320100*

This course develops the five modern geographic themes: location, place, relationship within places, movements, and regions to achieve a comprehensive study of the basic concepts and principles of both physical and cultural geography. This course presents the material of World Geography at an advanced level and pace.

**AP Human Geography (World Geography)**
Recommended Grade Placement: 10-12
_FHS Number:_ 4016
_Credit:_ 1.0  _GPAL:_ Level 2
_Prerequisite:_ Recommended that students are able to read college-level and write well
*PEIMS APHUMGEOW  A3360100*

Students will explore how humans have understood, used, and changed the surface of Earth. You'll use the tools and thinking processes of geographers to examine patterns of human population, migration, and land use. Skills learned include: connecting geographic concepts and processes to real-life scenarios, understanding information shown in maps, tables, charts, graphs, infographics, images, and landscapes, seeing patterns and trends in data and in visual sources such as maps and drawing conclusions from them, and understanding spatial relationships using geographic scales. AP gives students the chance to take college-level work while they're still in high school. Through taking AP Exams, students can earn college credit and placement. More information on AP can be found at: [https://ap.collegeboard.org/](https://ap.collegeboard.org/)

Students are expected to take the Advanced Placement exam.

**World History**
Recommended Grade Placement: 10
_FHS Number:_ 4020
_Credit:_ 1.0  _GPAL:_ Level 1
_Prerequisite:_ None
*PEIMS W HIST  03340400*

This course develops the five modern geographic themes: location, place, relationship within places, movements, and regions to achieve a comprehensive study of the basic concepts and principles of both physical and cultural geography.
This course traces the development of human cultures from early civilization through the present. It looks at the story of civilization through intellectual, cultural, social, political, economic and religious development.

**World History Honors**
Recommended Grade Placement: 9-10
*FHS Number: 4025*
Credit: 1.0  GPAL: Level 2
Prerequisite: RecommendedMeets or Masters on 8th grade STAAR reading.
*PEIMS W HIST H 03340400*

This course goes beyond the material of World History in both content and depth. It provides an advanced level and pace. Reading for the college bound is emphasized.

**United States History**
Recommended Grade Placement: 11
*FHS Number: 4030*
Credit: 1.0  GPAL: Level 1
Prerequisite: World History
*PEIMS US HIST 03340100*

The history of the United States from 1865 to the present is surveyed. The emergence of the United States as a world power, the geographical influences on historical events, the economic development and growth of the U. S., social and cultural developments of the U. S. and the evolution of the political processes since the Civil War are covered. The past century is examined from five different perspectives: politics, foreign affairs, the economy, urbanization and American values. This is a TEKS based class that prepares students for the US History EOC test.

**United States History I - Dual Credit (Hist 1301)**
Recommended Grade Placement: 11-12
*FHS Number: 4031A*
Credit: 0.5  College credit: 3 hours
GPAL: Level 2
Prerequisite: Must meet eligibility for dual credit.(TSIA Reading/Writing met).
*PEIMS US HIST 03340100*

HIST 1301: A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.

**United States History II - Dual Credit (Hist 1302)**
Recommended Grade Placement: 11-12
*FHS Number: 4031B*
Credit: 0.5  College credit: 3 hours
GPAL: Level 2
Prerequisite: Must meet eligibility for dual credit.(TSIA Reading/Writing met).
*PEIMS US HIST 03340100*

HIST 1302: A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.

**United States Government**
Recommended Grade Placement: 12
*FHS Number: 4040*
Credit: 0.5  GPAL: Level 1
Prerequisite: None
*PEIMS GOVT 03330100*

In United States Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. This course is the culmination of the civic and governmental content and concepts studied from Kindergarten through required secondary courses. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created.
Students analyze major concepts of republicanism, federalism, checks and balances, separation of powers, popular sovereignty, and individual rights and compare the U.S. system of government with other political systems. Students identify the role of government in the U.S. free enterprise system and examine the strategic importance of places to the United States. Students analyze the impact of individuals, political parties, interest groups, and the media on the American political system, evaluate the importance of voluntary individual participation in a constitutional republic, and analyze the rights guaranteed by the U.S. Constitution. Students examine the relationship between governmental policies and the culture of the United States. Students identify examples of government policies that encourage scientific research and use critical-thinking skills to create a product on a contemporary government issue.

**Personal Financial Literacy and Economics**  
Recommended Grade Placement: 11-12  
*FHS Number:* 4049  
Credit: 0.5  
GPAL: Level 1  
Prerequisite: None  
*PEIMS* 03380083

Using an economic way of thinking, this course prepares students to anticipate and address financial challenges as these challenges occur over their lifetime. In addition, students are introduced to common economic and personal financial planning terms and concepts. As a result of learning objective concepts and integrating subjective information, students gain the ability to lead productive and financially self-sufficient lives.

**Economics**  
Recommended Grade Placement: 12  
*FHS Number:* 4050  
Credit: 0.5  
GPAL: Level 1  
Prerequisite: None  
*PEIMS* ECO-FE 03310300

Economics introduces students to those principles essential to an understanding of the fundamental economic problems and the choices available for dealing with economic decision-making. It gives students an insight into the workings of the American free enterprise system, American business, Wall Street, money and banking, government revenue and taxation, unemployment, and other components needed for application in their everyday lives.

**U.S. Federal Government - Dual Credit (Govt 2305)**  
Recommended Grade Placement: 11-12  
*FHS Number:* 4060  
Credit: 0.5  
College credit: 3 hours  
GPAL: Level 2  
Prerequisite: Must meet eligibility for dual credit.  
(TSIA Reading/Writing met).  
*PEIMS* GOVT 03330100

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.

**Introduction to Economics - Dual Credit (1301)**  
Recommended Grade Placement: 11-12  
*FHS Number:* 4062  
Credit: 0.5  
College credit: 3 hours  
GPAL:  
Prerequisite: Must meet eligibility for dual credit.  
(TSIA Reading/Writing met).  
*PEIMS* ECO-FE 03310300

A survey of basic economic concepts is presented. Topics include supply and demand, consumer behavior, price and output decisions by firms, market structures, factor markets, market failures, and international trade. An emphasis is also given to national income, unemployment, inflation, business cycles, aggregate supply and demand, monetary and fiscal policy, and economic growth.

**Psychology**  
Recommended Grade Placement: 9-12  
*FHS Number:* 4110  
Credit: 0.5  
GPAL: Level 1  
Prerequisite: None  
*PEIMS* PSYCH 03350100

In Psychology, an elective course, students study the science of behavior and mental processes. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition,
learning, intelligence, biological foundations, mental health, and social psychology.

**Sociology**
Recommended Grade Placement: 9-12  
*FHS Number:* 4111  
*Credit:* 0.5  
*Prerequisite:* None  
*PEIMS SOC 03370100*

Sociology, an elective course, is an introductory study in social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society.

**LANGUAGES OTHER THAN ENGLISH**

*At least two credits in the same language are required for graduation.*

**Spanish I**
Recommended Grade Placement: 9-12  
*FHS Number:* 5010  
*Credit:* 1.0  
*Prerequisite:* Level 1  
*PEIMS SPAN 1 03440100*

This course introduces basic reading and writing skills with an emphasis on speaking and listening skills. Instruction is in Spanish and English.

**Spanish II**
Recommended Grade Placement: 9-12  
*FHS Number:* 5020  
*Credit:* 1.0  
*Prerequisite:* Spanish I  
*PEIMS SPAN 2 03440200*

This course continues the development of the skills introduced in Spanish I for speaking, listening, reading, and writing. Instruction is in English and Spanish.

**Spanish III Honors**
Recommended Grade Placement: 10-12  
*FHS Number:* 5035  
*Credit:* 1.0  
*GPAL:* Level 2  
*Prerequisite:* Spanish II  
*PEIMS SPAN 3H 03440330*

The objective of this course is to move students to the intermediate level in the four skill areas. More advanced grammar and vocabulary is introduced. Instruction is primarily in Spanish.

**Computer Science 1**
Recommended Grade Placement: 9-12  
*FHS Number:* 8351  
*Credit:* 1  
*GPAL:* Level 1  
*Prerequisite:* Algebra 1  
*PEIMS TACS1 03580200*

This course allows students to gain proficiencies in the performance indicators developed by the International Society for Technology in Education: creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving and decision making; digital citizenship; and technology operations and concepts.

**Computer Science 2**
Recommended Grade Placement: 10-12  
*FHS Number:* 8352  
*Credit:* 1  
*GPAL:* Level 1  
*Prerequisite:* Algebra 1 and Computer Science 1  
*PEIMS TACS2 03580300*

Students will continue to develop creativity and innovation skills and through designing, implementing, and presenting meaningful programs through a variety of media. Collaboration skills will be used by students throughout the course in problem solving, analyzing, and evaluating information. Digital citizenship will also be integrated through the course as students learn information fluency.
**FINE ARTS**
*One credit from any of the three Fine Art areas is required for graduation.*

**Marching Band I**
Recommended Grade Placement: 9-12  
**FHS Number:** 7001  
Credit: 0.5  
GPAL: None  
Prerequisite: Band instructor Approval OR Audition process.  
*PEIMS MBAND PE00012*

***This course may count as a PE credit***

This course is designed to teach the student mental and physical discipline, citizenship through group endeavors, physical conditioning, and cultural growth. It includes activities such as critical listening, music theory, proper care of the instrument, and it develops the student's self-expression through public performance. **Students may receive PE substitution for fall semester and Fine Art credit for spring semester, but will be enrolled in both semesters of band.**

**Marching Band II**
Recommended Grade Placement: 9-12  
**FHS Number:** 7002  
Credit: 0.5  
GPAL: None  
Prerequisite: Band instructor Approval OR Audition process.  
*PEIMS MBAND PE00012*

The activities and goals are the same as Marching Band I. **Students may receive PE substitution for fall semester and Fine Art credit for spring semester if not enrolled in athletics.**

**Band I - IV**
**Band I**
Recommended Grade Placement: 9-12  
**FHS Number:** 7015  
Credit: 0.5  
GPAL: Level 1  
Prerequisite: Band instructor Approval OR Audition process.  
*PEIMS BAND I 03150100*

**Band II**
Recommended Grade Placement: 9-12  
**FHS Number:** 7025  
Credit: 0.5  
GPAL: Level 1  
Prerequisite: Band instructor Approval OR Audition process.  

**Band III**
Recommended Grade Placement: 9-12  
**FHS Number:** 7035  
Credit: 0.5  
GPAL: Level 1  
Prerequisite: Band instructor Approval OR Audition process.  
*PEIMS BAND I 03150300*

**Band IV**
Recommended Grade Placement: 9-12  
**FHS Number:** 7045  
Credit: 0.5  
GPAL: Level 1  
Prerequisite: Band instructor Approval OR Audition process.  
*PEIMS BAND I 03150400*

The band at FHS, typically performs music in the middle to upper UIL grade levels. Students develop wind/percussion techniques and study music literature. Students in the Band are expected to participate in All-Region auditions and are required to participate at the UIL Solo and Ensemble contest. Several required performances and competitions are scheduled throughout the year, and a weekly sectional rehearsal is required during parts of the school year. All students in the band are involved in the marching band which can earn a .5 credit for PE requirement. Marching Band requires up to 8 hours of practice a week outside of the school day, in addition to all football games and marching competitions.

**Colorguard**
Recommended Grade Placement: 9-12  
**FHS Number:** 6002  
Credit: .5  
GPAL: None  
Prerequisite: Tryouts required  
*PEIMS COLORGUARD PES00012*

The color guard utilizes a blend of dance and equipment such as flags and rifles for a unique and artistic style of performance in the fall; the guard is a visual component of the marching band program, and as such, the students have similar practice and performance requirements of the marching band,
including up to 8 hours a week in practice outside of the school day, and required attendance at all football games and marching competitions.

**Show Choir I-IV**

**Show Choir I**  
Recommended Grade Placement: 9-12  
FHS Number: 7310  
Credit: 0.5  
Prerequisite: None  
**PEIMS CHOIR I**  03150900

**Show Choir II**  
Recommended Grade Placement: 9-12  
FHS Number: 7320  
Credit: 0.5  
Prerequisite: None  
**PEIMS CHOIR 2**  03151000

**Show Choir III**  
Recommended Grade Placement: 9-12  
FHS Number: 7330  
Credit: 0.5  
Prerequisite: None  
**PEIMS CHOIR 3I**  03151100

**Show Choir IV**  
Recommended Grade Placement: 9-12  
FHS Number: 7340  
Credit: 0.5  
Prerequisite: None  
**PEIMS CHOIR 4**  03151200

Students study the vocal performing arts in ensemble rehearsals, private vocal lessons, and vocal coaching opportunities. They get chances to apply these skills across the DFW area in competitions for UIL or Festivals. Extracurricular activities include Dallas’ Opera’s High School Opera Night and a yearly Christmas Field Trip.

**Music Appreciation**  
Recommended Grade Placement: 9-12  
FHS Number: 7400  
Credit: 0.5  
Prerequisite: None  
**PEIMS MUSICAP**  03155600

Students gain a broad understanding of music from varied cultural perspectives, with some emphasis given to music of the western art music tradition, featuring such composers as Mozart, Beethoven, Haydn, and Wagner. Students also get a chance to apply basic musical terminology and skill in creating their own musical tracks and songs on their Chromebooks. One part of the year focuses on the mechanics of music, the second part on music history, and the third on applied musical skill in varied forms, whether it be rap, pop, or electronic music.

**Music Appreciation - Dual Credit (1306)**  
Recommended Grade Placement: 9-12  
FHS Number: 7405  
Credit: 0.5  
**College credit: 3 hours**  
GPAL: Level 2  
Prerequisite: None  
**PEIMS DCMUSCIAP**  03155600

The basic elements of music are surveyed and examined in the music literature of western civilization, particularly from the Baroque Period to the present. Cultural influences on the music of each era are observed.

**Art I**  
Recommended Grade Placement: 9-12  
FHS Number: 7110  
Credit: 1.0  
Prerequisite: None  
**PEIMS ART I**  03500100

In Art I the students will be introduced to visual arts and a variety of mediums in 2D and 3D to create developed and interesting works of art. The students will study different artists and research various art careers.

**Art II**  
Recommended Grade Placement: 10-12  
FHS Number: 7120  
Credit: 1.0  
Prerequisite: Art I  
**PEIMS ART2**  03500200

In Art II the students will build on skills learned in Art One to create developed and interesting works of art. The students will explore a variety of 2D and 3D mediums and artists. The students will begin to
develop their own artistic style and perspective.

**Art III**
Recommended Grade Placement: 11-12  
*FHS Number:*  7130  
Credit: 1.0  GPAL: Level 1  
Prerequisite: Art II  
*PEIMS ART3*  03500300

In Art III the students will build on skills learned in Art II to create developed and interesting works of art. The students will use and research a variety of 2D and 3D mediums and artists. The students will grow their artistic style and perspective while practicing independent art making and marketing.

**Art II / Ceramics I**
Recommended Grade Placement: 10-12  
*FHS Number:*  7122  
Credit: 1.0  GPAL: Level 1  
Prerequisite: Art I  
*PEIMS ART2CRMC*  03500900

**Art III / Ceramics II**
Recommended Grade Placement: 11-12  
*FHS Number:*  7132  
Credit: 1.0  GPAL: Level 1  
Prerequisite: Art I  
*PEIMS ART3CRMC*  03501800

**Art IV / Ceramics III**
Recommended Grade Placement: 11-12  
*FHS Number:*  7133  
Credit: 1.0  GPAL: Level 1  
Prerequisite: Art I  
*PEIMS ART4CRMC*  03502700

In Ceramics students will build on skills learned in previous art courses to create developed and interesting works of art. The students will explore creating in 3D with clay. Students will have the opportunity to create both functional and decorative pieces through hand building methods/ pottery wheel, surface decoration techniques, and glazing/ firing. The students will begin to develop their own artistic style and perspective.

**AP Studio Art: Drawing Portfolio**
Recommended Grade Placement: 11-12  
*FHS Number:*  7145  
Credit: 1.0  GPAL: Level 2  
Prerequisite: Art III OR None, but any experience creating art and design work through drawing, in or out of the classroom, will be helpful.  
*PEIMS APSTARTD*  A3500300

Develop your skills in drawing as you experiment with different materials and processes. You will create artwork that reflects your own ideas and skills and what you've learned including: investigating the materials, processes, and ideas that artists and designers use, practicing, experimenting, and revising as you create your own work, and communicating your ideas about works of art and design. For more information, visit:  
https://apstudents.collegeboard.org/courses/ap-drawing

**Theatre Arts I**  
Recommended Grade Placement: 9-12  
*FHS Number:*  7210  
Credit: 1.0  GPAL: Level 1  
Prerequisite: None  
*PEIMS TH1*  03250100

This course is designed for students interested in acting and obtaining a basic theatre background. Theatre history, stage movement, vocal techniques, and play production are covered.

**Theatre Arts II**  
Recommended Grade Placement: 9-12  
*FHS Number:*  7220  
Credit: 1.0  GPAL: Level 1  
Prerequisite: Theatre Arts I  
*PEIMS TH2*  03250200

This course emphasizes advanced acting and technical theatre. Play production, performance, and stagecraft are included.

**Theatre Arts III**  
Recommended Grade Placement: 11-12  
*FHS Number:*  7230  
Credit: 1.0  GPAL: Level 1  
Prerequisite: Theatre Arts I  
*PEIMS TH2*  03250200

This continuing course in theatrical studies concentrates on theory and technique from a performance perspective. It includes some components of technical theatre.
Theatre Arts IV
Recommended Grade Placement: 12
FHS Number: 7240
Credit: 1.0  GPAL: Level 1
Prerequisite: Theatre Arts 3 and Instructor request.

This course continues the advanced studies of Theatre Arts 3.

Technical Theatre I
Recommended Grade Placement: 10-12
FHS Number: 7211
Credit: 1.0  GPAL: Level 1
Prerequisite: Theatre Arts I

Technical Theatre is a class for the creative, motivated student seeking knowledge of stagecraft, lighting, sound, costumes, makeup, and theatre production. Skill focus is on: safety, literary analysis, set design and construction, sound design, light design, props, makeup and costume, publicity, and house management.

Technical Theatre II
Recommended Grade Placement: 10-12
FHS Number: 7221
Credit: 1.0  GPAL: Level 1
Prerequisite: Tech Theatre I

In Technical Theatre II the students will be learning to use more complicated tools and how they work. Safety will continue to be stressed above all. We will study the different types of plays and how they should think outside the box in design. We will design simple and complicated sets for the same play and then study and discuss what works. We will study costumes of different times and places. We will also study props, makeup, and sound. We will learn more about the sound effects and how sound is used in Theatre. This class will be very detailed in the study of history from the aspect of the plays we are studying.

Technical Theatre III
Recommended Grade Placement: 11-12
FHS Number: 7231
Credit: 1.0  GPAL: Level 1
Prerequisite: Tech Theatre II

Technical Theatre III is for the student interested in the creation and planning of the “behind the scenes” theater preparation. This student will need a basic knowledge of theatre safety, and have a desire to work cooperatively as part of a production team. Students from this class will form the technical crew for FHS theatre productions.

Technical Theatre IV
Recommended Grade Placement: 12
FHS Number: 7241
Credit: 1.0  GPAL: Level 1
Prerequisite: Tech Theatre III

Theatre Production I
Recommended Grade Placement: 10-12
FHS Number: 7212
Credit: 1.0  GPAL: Level 1
Prerequisite: Theatre Arts I

Theatre Production II
Recommended Grade Placement: 11-12
FHS Number: 7222
Credit: 1.0  GPAL: Level 1
Prerequisite: Theatre Production I

Theatre Production III
Recommended Grade Placement: 11-12
FHS Number: 7223
Credit: 1.0  GPAL: Level 1
Prerequisite: Theatre Production II

Theatre Production IV
Recommended Grade Placement: 12
FHS Number: 7224
Credit: 1.0  GPAL: Level 1
Prerequisite: Theatre Production II

Dance I
Recommended Grade Placement: 9-12
FHS Number: 7510
Credit: 1.0  GPAL: Level 1
Prerequisite: None

PEIMS TH 3 TECH 03251100
PEIMS TH 1 TECH 03250500
PEIMS TH 2 TECH 03250600
PEIMS TH 1 PROD 03250700
PEIMS TH 2 PROD 03250800
PEIMS TH 3 PROD 03250900
PEIMS TH 4 PROD 03251000
PEIMS DANCE 1 03830100
Dance II
Recommended Grade Placement: 9-12
FHS Number: 7511
Credit: 1.0  GPAL: Level 1
Prerequisite: Dance I
PEIMS DANCE 2 03830200

Dance III
Recommended Grade Placement: 10-12
FHS Number: 7512
Credit: 1.0  GPAL: Level 1
Prerequisite: Dance II
PEIMS DANCE 3 03830300

Dance IV
Recommended Grade Placement: 10-12
FHS Number: 7513
Credit: 1.0  GPAL: Level 1
Prerequisite: Dance III
PEIMS DANCE 4 03830400

Floral Design Lab
Recommended Grade Placement: 10-12
FHS Number: 8076
Credit: 2.0  GPAL: Level 1
Prerequisite: Principles of Agriculture, Food, and Natural Resources
PEIMS FLORAL DESIGN 13001810

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral 50 enterprises. Through the analysis of artistic floral styles and historical periods, students will develop a respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

PHYSICAL EDUCATION & ATHLETICS
For graduation, 1 credit of P.E. or Athletics is required

Foundations of Personal Fitness I - Boys
Recommended Grade Placement: 9-12
FHS Number: 6000
Credit: 1.0  GPAL: None
Prerequisite: None
PEIMS BOYS PE I  PES00051

Foundations of Personal Fitness I - Girls
Recommended Grade Placement: 9-12
FHS Number: 6003
Credit: 1.0  GPAL: None
Prerequisite: None
PEIMS GIRLS PE I  PES00051

PE Strength Training - Boys
Recommended Grade Placement: 9-12
FHS Number: 6001
Credit: 1.0  GPAL: None
Prerequisite: None
PEIMS BOYS PE I  PES00051

Physical education is designed to develop motor skills, knowledge, and behaviors for active living, physical fitness, sportsmanship, self-efficacy, and emotional intelligence. Physical education addresses the three domains of learning: cognitive skills related to the knowledge of movement, affective skills related to feelings and attitudes about movement, and psychomotor skills related to the manual or physical skills in movement literacy.

Partner PE I
Recommended Grade Placement: 9-12
FHS Number: 6011
Credit: NC  GPAL: None
Prerequisite: Prior approval from FHS PE teachers
PEIMS PARTNEPE 1  N1290203

Partner PE II
Recommended Grade Placement: 9-12
FHS Number: 6012
Credit: NC  GPAL: None
Prerequisite: Prior approval from FHS PE teachers
PEIMS PARTNEPE 2  N1290204
Inclusionary PE program featuring supervised peer tutors working with students with disabilities who cannot meet the requirements of regular physical education because of physical, social, emotional or behavioral limitations. The program encourages physical activity, increase in the knowledge of health and fitness strategies, and assists in the acquisition of

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individual lifetime recreation activities and/or skills associated with team sports.

**Athletics requires the approval of the coach for participation. Students are expected to enroll for the entire year. A student must be enrolled in Athletics to participate in any sport.**

**Athletics For Boys**
Recommended Grade Placement: 9-12
FHS Number: 6021-6024
Credit: 1.0  GPAL: None
Prerequisite: Coach's approval
PEIMS ATHLETICBOY PES00000

**PE substitution***
Competitive sports include football, cross country, and tennis in the fall; basketball, powerlifting, and soccer during the fall and spring; and baseball, golf, and track in the spring. Off season conditioning is provided.

**Athletics For Girls**
Recommended Grade Placement: 9-12
FHS Number: 6031-6034
Credit: 1.0  GPAL: None
Prerequisite: Coach's approval
PEIMS ATHLETICGIRL PES00000

**PE substitution***
Competitive sports include volleyball, tennis, and cross country in the fall; basketball, powerlifting, and soccer during fall and spring; and softball, golf, and track in the spring. Off season conditioning is provided.

**Drill Team**
Recommended Grade Placement: 9-12
FHS Number: 6900
Credit: 1.0  GPAL: None
Prerequisite: None
PEIMS DRILLTEAM PES00014

**PE substitution***
Up to one credit for PE may be earned through participation in the Drill Team. Any additional credit in the Drill Team will be awarded as a local credit which does not count toward graduation.

**Cheerleading**
Recommended Grade Placement: 9-12
FHS Number: 6999
Credit: 1.0  GPAL: None
Prerequisite: None

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**CAREER & TECHNICAL EDUCATION**

**Agriculture, Food & Natural Resources - Animal Science**

**Principles of Agriculture, Food and Natural Resources.**
Recommended Grade Placement: 9-12
FHS Number: 8000
Credit: 1.0  GPAL: Level 1
Prerequisite: None
PEIMS PRINAFNR 13000200

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

**Equine Science**
Recommended Grade Placement: 10-12
FHS Number: 8035
Credit: 0.5  GPAL: Level 1
Prerequisite: Principles of Agriculture, Food and Natural Resources: Animal Science
PEIMS EQUINSCI 13000500

In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules. To prepare for careers in the field of animal science, students must...
enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

**Small Animal Management**
Recommended Grade Placement: 10–12  
*FHS Number:* 8045  
*Credit:* 0.5  
*GPAL:* Level 1  
*Prerequisite:* Principles of Agriculture, Food and Natural Resources: Animal Science  
*PEIMS* SMANIMGT 13000400

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings.

**Livestock Production**
Recommended Grade Placement: 10–12  
*FHS Number:* 8020  
*Credit:* 1.0  
*GPAL:* Level 1  
*Prerequisite:* Principles of Agriculture, Food and Natural Resources: Animal Science  
*PEIMS* LIVEPROD 13000300

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

**Veterinary Medical Applications Lab**
Recommended Grade Placement: 11–12  
*FHS Number:* 8051  
*Credit:* 2.0  
*GPAL:* Level 1  
*Prerequisite:* Equine Science, Small animal management or Livestock Production  
*PEIMS* VETMEDLAB 13000610

Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species. To prepare for careers in the field of animal science, students must 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.

**Practicum in AG-Veterinary Medical Applications**
Recommended Grade Placement: 11-12  
*FHS Number:* 8052  
*Credit:* 2.0  
*GPAL:* Level 1  
*Prerequisite:* Vet Med Applications  
*PEIMS* PRACAG 13002500

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 Career Cluster, particularly Animal Science and Veterinary Medical Applications.

**Advanced Animal Science**
*FHS Number:* 8055  
*Credit:* 1.0  
*GPAL:* Level 1  
*Prerequisite:* Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production. Recommended Prerequisite: Veterinary Medical Applications.  
*PEIMS* ADVANSCI 13000700

Advanced Animal Science 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. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and 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. Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

Agriculture, Food & Natural Resources - Plant Science

Principles of Agriculture, Food and Natural Resources.
Recommended Grade Placement: 9–12
FHS Number: 8000
Credit: 1.0 GPAL: Level 1
Prerequisite: None
PEIMS PRINAFNR 13000200

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

Floral Design Lab
Recommended Grade Placement: 10-12
FHS Number: 8076
Credit: 2.0 GPAL: Level 1
Prerequisite: Principles of Agriculture, Food, and Natural Resources
PEIMS FLORAL DESIGN 13001810

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral 50 enterprises. Through the analysis of artistic floral styles and historical periods, students will develop a respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

Practicum in Agriculture, Food, and Natural Resources- Floral
Recommended Grade Placement: 11-12
FHS Number: 8078 GPAL: Level 1
Prerequisite: None. Recommended Prerequisite: A minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.
PEIMS PRACAFNR1 13002500

Practicum in Agriculture, Food, and Natural Resources 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 experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. 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 Career Cluster.

Agriculture, Food & Natural Resources - Agricultural Technology

Principles of Agriculture, Food and Natural Resources.
Recommended Grade Placement: 9–12
FHS Number: 8000
Credit: 1.0 GPAL: Level 1
Prerequisite: None
PEIMS PRINAFNR 13000200

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain
academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

Agricultural Mechanics and Metal Technologies
Recommended Grade Placement: 10–12
FHS Number: 8040
Credit: 1.0
Prerequisite: None.
Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources.
PEIMS AGMECHMT 13002200

Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metalworking techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, 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.

Agricultural Structures Design And Fabrication Lab
Recommended Grade Placement: 10–12
FHS Number: 8015
Credit: 2.0
Prerequisite: None.
Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources.
PEIMS AGMECMTLAB 13002310

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

Agriculture Equipment Design and Fabrication Lab
Recommended Grade Placement: 10–12
FHS Number: 8016
Credit: 2.0
Prerequisite: None. Recommended Prerequisites: Agricultural Mechanics and Metal Technologies.
PEIMS AGEQDFLAB 13002360

Welding II builds on the knowledge and skills developed in Welding I. Students will develop advanced welding concepts and skills as related to personal and career development. Students will integrate academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

Agricultural Structures Design and Fabrication
Recommended Grade Placement: 12
FHS Number: 8017
Credit: 2.0
Prerequisite: Teacher's Approval
Recommended Prerequisites: Agricultural Mechanics and Metal Technologies.
PEIMS AGEQDFLAB 13002360

This capstone welding course is designed to give students supervised practical knowledge and skills related to 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.

Carpentry & Masonry

Principles Of Construction
Recommended Grade Placement: 9–12
FHS Number: 8900
Credit: 1.0
Prerequisite: None.
PEIMS PRINCON 13004220

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas.
The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.

**Construction Technology I**
Recommended Grade Placement: 10–12  
*FHS Number:* 8901  
Credit: 2.0  
Prerequisite: None. Recommended Prerequisite: Principles of Construction or Principles of Architecture.  
*PEIMS CONTECH1 13005100*

In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended. In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended.

**Construction Technology II**
Recommended Grade Placement: 11–12  
*FHS Number:* 8902  
Credit: 2.0  
Prerequisite: Construction Technology I.  
*PEIMS CONTECH1 13005200*

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

**Practicum In Construction**
Recommended Grade Placement: 12  
*FHS Number:* 8903  
Credit: 2.0  
Prerequisite: Construction Technology II.  
*PEIMS PRACCT1 13005250*

The Architecture and Construction Career Practicum focuses on designing, planning, managing, building, and maintaining the built environment. The practicum allows the students an opportunity to view and interact professionally with the various fields of architecture, interior design, and construction management.

**Dual Credit - Construction Technology I - TSTC**
Recommended Grade Placement: 10–12  
*FHS Number:* 8906  
Credit: 2.0  
Prerequisite: None. Recommended Prerequisite: Principles of Construction or Principles of Architecture.  
*PEIMS CONTECH1 13005100*

Introduction to site preparation, foundations, form work, safety tools and equipment.

**Dual Credit - Construction Technology II - TSTC**
Recommended Grade Placement: 11–12  
*FHS Number:* 8904  
Credit: 2.0  
Prerequisite: DC Construction Technology I.  
*PEIMS CONTECH1 13005200*

Demonstrate safety practices and procedures; use of tools and equipment associated with framing in construction; estimate material requirements for blueprints; and demonstrate methods used in framing.

**Dual Credit - Practicum In Construction - TSTC**
Recommended Grade Placement: 12  
*FHS Number:* 8903  
Credit: 2.0  
Prerequisite: DC Construction Technology II.  
*PEIMS PRACCT1 13005250*
Masonry Technology I
Recommended Grade Placement: 11–12
FHS Number: 8922
Credit: 2.0 GPAL: Level 1
Prerequisite: Principles of Construction
PEIMS MASTECH1 13006300

Masonry Technology I provides information and techniques related to basic masonry and safety precautions.

Masonry Technology II
Recommended Grade Placement: 11–12
FHS Number: 8922
Credit: 2.0 GPAL: Level 1
Prerequisite: Masonry Technology I
PEIMS MASTECH2 13006400

Masonry Technology II is designed to further enhance the skills and knowledge of the beginning masonry student.

Arts, Audio/Video Technology, And Communications

Digital Media
Recommended Grade Placement: 9–12
FHS Number: 8111
Credit: 1.0 GPAL: Level 1
Prerequisite: None.
PEIMS DIMEDIA 13027800

In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will 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 will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.

Commercial Photography I (Yearbook)
Recommended Grade Placement: 9–12
FHS Number: 8112
Credit: 1.0 GPAL: Level 1
Prerequisite: None.
PEIMS CPHOTO1 13009100

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.

Commercial Photography II / Commercial Photography lab II (Yearbook II)
Recommended Grade Placement: 10–12
FHS Number: 8114
Credit: 2.0 GPAL: Level 1
Prerequisite: None
Recommended Prerequisites: Commercial Photography I
PEIMS CPHLAB2 13009210

Practicum in Graphic Design and Illustration - Yearbook
Recommended Grade Placement: 11–12
FHS Number: 8116
Credit: 2.0 GPAL: Level 1
Prerequisite: None
Recommended Prerequisites: Commercial Photography II
PEIMS PRACGRD1 13009000

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.

Principles Of Arts, Audio/Video Technology, and Communications - Dual Credit (ARTC 1305 Basic Graphic Design
Recommended Grade Placement: 9–12
FHS Number: 8100A / 8100B
GPAL: Level 2
Credit: 0.5 / 0.5 College Credit: 3 hours / 3 hours
Prerequisite: None.
PEIMS PRINAAVTC 13008200

Graphic design with emphasis on the visual
communication process. Topics include basic terminology and graphic design principles.

**Audio/Video Production I**
Recommended Grade Placement: 9–12
FHS Number: 8101
Credit: 1.0  
GPAL: Level 1
Prerequisite: None.
Recommended prerequisite: Principles of Art, Audio/Video Technology
PEIMS AVPROD1  13008500

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 products.

**Audio/Video Production II / Audio/Video Production II Lab**
Recommended Grade Placement: 10–12
FHS Number: 8102
Credit: 2.0  
GPAL: Level 1
Prerequisite: Audio/Video Production I
PEIMS AVPLAB2  13008610

Building upon the concepts taught in Audio/Video Production, 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 products. Through diverse forms of storytelling and production, students will exercise and develop creativity, intellectual curiosity, and critical-thinking, problem-solving, and collaborative skills. This course may be implemented in an audio format or a format with both audio and video. Requiring a lab requisite for the course affords necessary time devoted specifically to the production and post-production process.

**Practicum in Audio/Video Production**
Recommended Grade Placement: 11–12
FHS Number: 8103
Credit: 2.0  
GPAL: Level 1
Prerequisite: Audio/Video Production II and Audio/Video Production II Lab.
PEIMS PRACAVP1  13008700

Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, 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 increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

**Graphic Design and Illustration I and Graphic Design and Illustration I Lab - Dual Credit (ARTC 1302 Digital Imagining I)**
Recommended Grade Placement: 11-12
FHS Number: 8125 A
Credit: 1.0  
College Credit: 3 hours
GPAL: Level 2  
Prerequisite: ARTC 1305 Basic Graphic Design DC
PEIMS DCRADLAB1  13008810

Digital imaging using raster image editing and/or image creation software: scanning, resolution, file formats, output devices, color systems, and image-acquisitions.

**Graphic Design and Illustration I and Graphic Design and Illustration I Lab - Dual Credit (ARTC 1317 Design Communication I)**
Recommended Grade Placement: 11-12
FHS Number: 8125 B
Credit: 1.0  
College Credit: 3 hours
GPAL: Level 2  
Prerequisite: Graphic Design and Illustration I and Graphic Design and Illustration Lab - Dual Credit (ARTC 1302 Digital Imagining I)
PEIMS DCRADLAB1  13008810

Study of design development relating to graphic design terminology, tools and media, and layout and design concepts. Topics include integration of type, images and other design elements, and developing computer skills in industry standard computer programs.
**Graphic Design and Illustration II and Graphic Design and Illustration II Lab - Dual Credit (ARTC 1313 Digital Publishing I)**

Recommended Grade Placement: 11-12  
FHS Number: 8130 A  
Credit: 1.0  
College Credit: 3 hours  
GPAL: Level 2  
Prerequisite: Graphic Design and Illustration I and Graphic Design and Illustration Lab / (ARTC 1302 Digital Imagining I and ARTC 1317 Design Communication DC  
**PEIMS** DCGRADLAB2 13008910  

The fundamentals of using digital layout as a primary publishing tool and the basic concepts and terminology associated with typography and page layout.

**Graphic Design and Illustration II and Graphic Design and Illustration II Lab - Dual Credit (ARTC 2305 Digital Imagining II)**

Recommended Grade Placement: 11-12  
FHS Number: 8130 B  
Credit: 1.0  
College Credit: 3 hours  
GPAL: Level 2  
Prerequisite: Prerequisite: Graphic Design and Illustration I and Graphic Design and Illustration Lab / (ARTC 1302 Digital Imagining I and ARTC 1317 Design Communication DC and Graphic Design and Illustration II and Graphic Design and Illustration lab II (ARTC 1313 Design Communication DC  
**PEIMS** DCGRADLAB2 13008910  

Principles of digital image processing and digital painting. Emphasis on raster-based imaging and the creative aspects of electronic illustration for commercial or fine art applications.

**Practicum in Graphic Design and Illustration - Dual Credit (ARTC 2317 Typographic Design)**

Recommended Grade Placement: 11-12  
FHS Number: 8130 A  
Credit: 1.0  
College Credit: 3 hours  
GPAL: Level 2  
Prerequisite: Graphic Design and Illustration I and Graphic Design and Illustration Lab / (ARTC 1302 Digital Imagining I and ARTC 1317 Design Communication DC and Graphic Design and Illustration II and Graphic Design and Illustration lab II (ARTC 1313 Design Communication DC  
**PEIMS** PRACGRD1 13009000  

Exploration of typographic design including computer generated letterforms as elements of design. Includes theory and techniques of traditional, contemporary, and experimental typography.

**Practicum in Graphic Design and Illustration - Dual Credit (ARTC 2335 Portfolio Development of Graphic Design)**

Recommended Grade Placement: 11-12  
FHS Number: 8130 B  
Credit: 1.0  
College Credit: 3 hours  
GPAL: Level 2  
Prerequisite: Graphic Design and Illustration I and Graphic Design and Illustration Lab / (ARTC 1302 Digital Imagining I and ARTC 1317 Design Communication DC and Graphic Design and Illustration II and Graphic Design and Illustration lab II (ARTC 1313 Design Communication DC  
**ARTC 2305 Digital Imaging II DC and ARTC 2317 Typographic Design DC)  
**PEIMS** PRACGRD1 13009000  

Preparation of a portfolio composed of completed graphic design projects. Evaluation and demonstration of portfolio presentation methods based on the student's specific area of study.

**Business, Marketing & Finance - Business**

**Business Information Management I**

Recommended Grade Placement: 9–11  
FHS Number: 8200  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: None.  
**PEIMS** BUSIM1 13011400  

In 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 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 Management**
Recommended Grade Placement: 10-12  
FHS Number: 8212  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: None.  
**PEIMS BUSMGT 13012100**

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.

**Practicum in Business Management**
Recommended Grade Placement: 11-12  
FHS Number: 8260  
Credit: 2.0  
GPAL: Level 1  
Prerequisite: BIM, Business Management  
**PEIMS PRACBM 13012200**

Practicum in Business Management 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.

**Extended Practicum in Business Management (Work Program)**
Recommended Grade Placement: 11-12  
FHS Number: 8261  
Credit: 3.0  
GPAL: Level 1  
Prerequisite: Teacher Approval  
**PEIMS EXPRBM 13012205**

Extended Practicum in Business Management 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 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.

**Education & Training - Teacher Internship**

**Child Development**
Recommended Grade Placement: 10–12  
FHS Number: 8521  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: Principles of Human Services or Principle of Education & Training  
**PEIMS CDAFOUND N1300500**

Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

**Instructional Practices In Education**
Recommended Grade Placement: 11–12  
FHS Number:  
Credit: 2.0  
GPAL: Level 1  
Prerequisite: None  
**PEIMS INPRAC 13014400**

Instructional Practices is a field-based (practicum) 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, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop...
materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

**Instructional Practices In Education - DUAL CREDIT (EDUC 1301 Introduction to Teaching Profession)**

Recommended Grade Placement: 11–12  
FHS Number: 8530 A  
Credit: 1.0  
College Credit: 3 hours  
GPAL: Level 2  
Prerequisite: Principles of Human Services or Principle of Education & Training  
PEIMS INPRAC 13014400

An enriched integrated pre-service course and content experience that provides active recruitment and institutional support of students interested in a teaching career, especially in high-need fields. The course provides students with opportunities to participate in early field observations at all levels of P-12 schools with varied and diverse student populations and provides students with support from college and school faculty, preferably in small cohort groups, for the purpose of introduction to and analysis of the culture of schooling and classrooms. Course content should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Course must include a minimum of 16 contact hours of field experience in P-12 classrooms.

**Instructional Practices In Education - DUAL CREDIT (EDUC 2301 Introduction to Special Populations)**

Recommended Grade Placement: 11–12  
FHS Number: 8530 B  
Credit: 1.0  
College Credit: 3 hours  
GPAL: Level 2  
Prerequisite: Principles of Human Services or Principle of Education & Training and Instructional Practices In Education - DUAL CREDIT (EDUC 1301 Introduction to Teaching Profession)

An enriched integrated pre-service course and content experience providing an overview of schooling and classrooms from the perspectives of language, gender, socio-economic status, ethnic and academic diversity and equity with emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations. Course content is aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 18 contact hours of field experience in P-12 classrooms with special populations.

**Communication and Technology in Education**

Recommended Grade Placement: 11–12  
FHS Number: 8531  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: Principles of Education and Training  
PEIMS CMTCHED N1300510 Grade

Communication and Technology in Education is an extended course of study designed to provide students with the fundamentals of planning, managing and training services needed to provide learning support services in K-12 classrooms. Students will develop knowledge and skills regarding the professional, ethical, and legal responsibilities in teaching related to educational technology; as well as, understand laws and pedagogical justifications regarding classroom technology use. This course provides an opportunity for students to participate in training related to Google for Education, Microsoft Office Fundamentals, Common Sense Media and Digital Citizenship as they relate to standards set by the International Society for Technology in Education (ISTE).

**Practicum In Education And Training**

Recommended Grade Placement: 11–12  
FHS Number: 8535  
Credit: 2.0  
GPAL: Level 1  
Prerequisite: Instructional Practices. Recommended Prerequisites: Principles of Education and Training and Human Growth and Development.  
PEIMS PRACEDT1 13014500

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, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students.
Healthcare Diagnostic & Therapeutic Services

Principles Of Health Science
Recommended Grade Placement: 8
FHS Number: 8400
Credit: 1.0  GPAL: Level 1
Prerequisite: None
PEIMS PRINHLSC 1302000

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry. It is an introductory course to disease prevention, human development and much more.

Medical Terminology
Recommended Grade Placement: 9–12
FHS Number: 8405
Credit: 1.0  GPAL: Level 1
Prerequisite: None
PEIMS MEDTERM 13020300

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary.

Science of Nursing
Recommended Grade Placement: 10-11
FHS Number: 8408
Credit: 1.0  GPAL: Level 1
Recommended prerequisite: Principles of Nursing Science or Principles of Health Science.
PEIMS SCINURS N1302129

The Science of Nursing course introduces students to basic research-based concepts in nursing. Topics include the nursing process, the importance of critical thinking to patient care, regulatory agencies, and professional organizations. Instruction includes skills needed to pursue a nursing degree and training requirements required for specialty nursing roles. Knowledge and skills learned will include emergency care, patient assessment, basic interpretation of vital signs, identification of patients with physical and mental disabilities, patient positioning, use of assistive devices, and application of nursing theories in patient care plans.

Anatomy and Physiology (CTE)
Recommended Grade Placement: 11-12
FHS Number: 3070
Credit: 1  GPAL: Level 1
Prerequisite: Biology, Chemistry or IPC.PEIMS
PHYS/ANT 13020600

Anatomy and Physiology is a course geared to those students with an interest in medical, dental, or other health care careers. It includes an in-depth study of the human body’s organ systems. The second semester focuses on practical application of anatomical knowledge through lab experiences that include detailed dissection. This course is extremely helpful for students who are considering a health-related career.

Anatomy and Physiology I Dual Credit (Biol 2401)
Recommended Grade Placement: 11-12
FHS Number: 3081 A
Credit: 0.5  College Credit: 4 hours
GPAL: Level 2
Prerequisite: Biology 1406 with a C or better & Meet dual credit eligibility (TSI).
PEIMS PHYS/ANT I 13020600

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

Anatomy and Physiology II Dual Credit (Biol 2402)
Recommended Grade Placement: 11-12
FHS Number: 3081 B
Credit: 0.5  College Credit: 4 hours
GPAL: Level 2
Prerequisite: Biology 1406 with a C or better & Meet dual credit eligibility (TSI).
PEIMS PHYS/ANT II 13020600

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following
systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Content may be either integrated or specialized.

**Practicum In Health Science**
Recommended Grade Placement: 11–12  
FHS Number: 8411  
Credit: 2.0  
GPAL: Level 1  
Prerequisites: Health Science Theory and Biology.  
PEIMS PRACHLS1 13020500  

The Practicum in Health Science course 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. Students will have the opportunity to continue the certification process for Patient Care Technician and Phlebotomy.

**Exercise Science Wellness & Restoration**

Principles of Exercise Science and Wellness  
Recommended Grade Placement: 9–10  
FHS Number: 8412  
Credit: 1.0  
GPAL: Level 1  
Prerequisites: None.  
PEIMS EXSCIWL N1302107  

The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards. Students who take this course are ideally interested in such careers as physical therapy, athletic training, nutrition, personal training, and recreational therapy. The central focus of this course is to provide students with a solid foundation in the topics of health and wellness and increase their interest in the various careers available in these fields.

**Kinesiology I**
Recommended Grade Placement: 9–10  
FHS Number: 8413  
Credit: 1.0  
GPAL: Level 1  
Prerequisites: None.  
PEIMS KINES1 N1302104  

This course is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance. Students will also explore careers within the kinesiology field and be able to explain the societal demand for kinesiology-related jobs. Students will develop a foundation in Kinesiology I that will prepare them for upper-level courses that will dive deeper into the anatomical and physiological functions of the body and provide opportunities for an industry-certified exam such as a certified personal trainer.

**Kinesiology II**
Recommended Grade Placement: 11–12  
FHS Number: 8414  
Credit: 1.0  
GPAL: Level 1  
Prerequisites: Kinesiology I  
PEIMS KINES2 N1302124  

The Kinesiology II course is designed to provide students an advanced level of knowledge, skills, and understanding of body composition and the effect on health, nutritional needs of physically active individuals, qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic training intensity programs. The course is designed to allow students to advance their understanding of professional standards, employability skills, and ethical and legal standards. Throughout this course, students explore the healthcare/exercise business model and gain an understanding of therapeutic sports psychology. Students develop proper aerobic fitness programs and rehabilitation programs. Kinesiology II prepares students for an industry certification exam such as Certified Personal Trainer.
Practicum of Entrepreneurship
Recommended Grade Placement: 11–12
FHS Number: 8415
Credit: 2.0 GPAL: Level 1
Prerequisites: Kinesiology I and Kinesiology II
PEIMS PRACENT N1303425

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster and build on and apply the knowledge and skills gained from courses taken in an array of career areas. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of the student's need for work-based learning 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. It is recommended that students are paired with local business owners or employers in their specific industry program of study.

Family & Community Services

Child Development
Recommended Grade Placement: 10-12
FHS Number: 8521
Credit: 1.0 GPAL: Level 1
Prerequisite: None.
Recommended Prerequisite: Principles of Human Services.
PEIMS CHILDEV 13024700

Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

Professional Communications (Speech)
Recommended Grade Placement: 9–12
FHS Number: 8999
Credit: 0.5 GPAL: Level 1
Prerequisite: None
PEIMS PROFCOMM 13009900

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 context, 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. This course is a graduation requirement.

Dollars And Sense
Recommended Grade Placement: 11-12
FHS Number: 8515
Credit: 0.5 GPAL: Level 1
Prerequisite: None
PEIMS DOLLARSE 13024300

Dollars and Sense focuses on consumer practices and responsibilities, money-management processes, decision-making skills, impact of technology, and preparation for human services careers.

Lifetime Nutrition And Wellness
Recommended Grade Placement: 9-12
FHS Number: 8505
Credit: 0.5 GPAL: Level 1
Prerequisite: None
PEIMS LNURTWEL 13024500

Lifetime Nutrition and Wellness is a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.
**Interpersonal Studies**
Recommended Grade Placement: 9-12  
*FHS Number:* 8510  
Credit: 0.5  
GPAL: Level 1  
Prerequisite: None  
*PEIMS INTERSTU*  13024400

Interpersonal Studies examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

**Family And Community Services**
Recommended Grade Placement: 9-12  
*FHS Number:* 8516  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: None.  
Recommended Prerequisite: Principles of Human Services.  
*PEIMS FAMCOSRV*  13024900

Family and Community Services course scope and sequence within the Human Services Career Cluster® summarizes the content to be taught, and one possible order for teaching the units of instruction. A brief description of each unit and the corresponding TEKS are included. This scope and sequence may be adapted or adopted by the local education agency.

**Practicum in Human Services**
Recommended Grade Placement: 11-12  
*FHS Number:* 8518  
Credit: 2.0  
GPAL: Level 1  
Prerequisite: None.  
Recommended Prerequisite: Principles of Human Services.  
*PEIMS PRACHUS1*  13025000

Practicum in Human Services provides background knowledge and occupation-specific training that 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. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

**STEM - Cybersecurity**

**Computer Science I**
Recommended Grade Placement: 9-12  
*FHS Number:* 8351  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: None  
*PEIMS TACS1*  03580200

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

**Computer Science II**
Recommended Grade Placement: 11-12  
*FHS Number:* 8352  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: Algebra I and Computer Science I  
*PEIMS TACS2*  03580300

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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. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

**Internet Technologies I Dual Credit (TSTC - ITSC 1325 Personal Computer Hardware)**
Recommended Grade Placement: Spring 10th
FHS Number: 8358
Credit: 2.0 College Credit: 3 hours
GPAL: Level 2
Prerequisite: None
PEIMS INTNET2 N1302804

Current personal computer hardware including assembly, upgrading, setup, configuration, and troubleshooting.

**Internet Technologies I Dual Credit (TSTC - ITNW 1325 Fundamentals to Networking)**
Recommended Grade Placement: Fall 11th
FHS Number: 8356
Credit: 2.0 College Credit: 3 hours
GPAL: Level 2
Prerequisite: Internet Technologies I Dual Credit (TSTC - ITSC 1325 Personal Computer Hardware)
PEIMS INTNET1 N1302803

Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software.

**Networking and Networking Lab - Dual Credit (TSTC - ITNW 1354 Implementing and Supporting Servers)**
Recommended Grade Placement: Spring 11th
FHS Number: 8357
Credit: 2.0 College Credit: 3 hours
GPAL: Level 2
Prerequisite: Internet Technologies II Dual Credit (TSTC - ITNW 1325 Fundamentals to Networking)
PEIMS NETWRLAB 13027410

Implement, administer, and troubleshoot information systems that incorporate servers in a networked computing environment.

**Practicum in Information Technology - Dual Credit (TSTC - ITSY 1374 Secure Linux Administration)**
Recommended Grade Placement: Fall 12th
FHS Number: 8359
Credit: 2.0 College Credit: 3 hours
GPAL: Level 2
Prerequisite: Networking and Networking Lab - Dual Credit (TSTC - ITNW 1354 Implementing and Supporting Servers)
PEIMS PRACIT1 13028000

Configure and manage security on Linux systems, to include Linux installation, basic administration, utilities and commands, upgrading system, networking, and application installation; Management and securing network services and hardening of the system OS to mitigate security risks; introduction to common Linux-based open source security tools used to assess security vulnerabilities, analyze malware, and conduct penetration testing.

**Practicum in Information Technology - Dual Credit (TSTC - ITNE 2321 Networking with TCP/IP)**
Recommended Grade Placement: Spring 12th
FHS Number: 8360
Credit: 2.0 College Credit: 3 hours
GPAL: Level 2
Prerequisite: Networking and Networking Lab - Dual Credit (TSTC - ITNW 1354 Implementing and Supporting Servers)
PEIMS PRACIT2 13028010

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Set up, configure, use, and support Transmission Control Protocol/Internet Protocol (TCP/IP) on networking operating systems.

**Transportation Distribution, and Logistics - Drone (Unmanned Vehicle)**

*Robotics I (Drones I)*
Recommended Grade Placement: 9-12  
FHS Number: 8325  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: None  
PEIMS ROBOTIC1 13037000

In Robotics I, students will transfer academic skills to component designs in a project-based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

*Robotics II (Drones II)*
Recommended Grade Placement: 10-12  
FHS Number: 8326  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: Robotics I  
PEIMS ROBOTIC2 13037050

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs.

*Practicum In Drones*
Recommended Grade Placement: 1-12  
FHS Number: 8327  
Credit: 2.0  
GPAL: Level 1  
Prerequisite: Robotics II  
PEIMS PRACMAN1 13033000

The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

**GENERAL ELECTIVES**

*Professional Communications (Speech)*
Recommended Grade Placement: 9–12  
FHS Number: 8999  
Credit: 0.5  
GPAL: Level 1  
Prerequisite: None  
PEIMS PROFCOMM 13009900

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 context, 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. **This course is a graduation requirement.**

*AVID I (Advancement Via Individual Determination)*
Recommended Grade Placement: 9–12  
FHS Number: 9001  
Credit: 1.0  
GPAL: Level 1  
Prerequisite: Teacher approval / application required  
PEIMS AVID 1 N1290001

AVID I serves as an overview of the AVID philosophy and strategies. Students work on academic and personal goals, communication, and adjusting to the high school setting. Students increase their awareness of their personal contributions to their learning, as well as their involvement in their school and community. There is an emphasis on analytical writing, focusing on personal goals and thesis writing. College research includes financial topics and building their knowledge of colleges and careers of interest.

*AVID II (Advancement Via Individual Determination)*
Recommended Grade Placement: 9–12
AVID II students refine the AVID strategies to meet their independent needs and learning styles. Students continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school and community involvement, they refine their time management and study skills accordingly. Students expand their writing portfolio to include analyzing prompts, supporting arguments and claims, character analysis, and detailed reflections. Lastly, students narrow down their college and careers of interest based on personal interests and goals.

**AVID III (Advancement Via Individual Determination)**
Recommended Grade Placement: 9–12
FHS Number: 9003
Credit: 1.0 GPAL: Level 1
Prerequisite: Teacher approval / application required

AVID III focuses on writing and critical thinking skills expected of first- and second-year college students. In addition to the academic focus of AVID III, there are college-bound activities, methodologies, and tasks that should be undertaken during the third year to support students as they apply to postsecondary institutions.

**AVID IV (Advancement Via Individual Determination)**
Recommended Grade Placement: 9–12
FHS Number: 9004
Credit: 1.0 GPAL: Level 1
Prerequisite: Teacher approval / application required

AVID IV focuses on writing and critical thinking expected of first- and second-year college students. Students complete a final research essay project from research conducted in AVID III. In addition to the academic focus of the AVID IV, there are college-bound activities, methodologies, and tasks that should be achieved during the fourth year that support students as they apply to four-year universities and confirm their postsecondary plans. All AVID IV students are required to develop and present a portfolio representing their years of work in the AVID program.