TOMBALL INDEPENDENT SCHOOL DISTRICT
VISION – MISSION - GOALS

District Vision
Tomball ISD students will lead in creating the future.

District Mission Statement
Tomball ISD educates students to become responsible, productive citizens by providing innovative, individually rigorous, and personally valuable educational experiences.

District Goals
1. Tomball ISD will develop, continuously enhance and utilize rigorous college, career, and life ready curriculum that is responsive to the needs of individual learners.
2. Tomball ISD will provide multiple sources of high quality academic content that infuses technology in learning experiences and instruction.
3. Tomball ISD will attract, develop and retain high quality staff through a well-defined, personally valuable professional development plan and support structure.
4. Tomball ISD will foster a culture of caring and compassionate educators to provide a supportive learning environment.
5. Tomball ISD will promote academic success by engaging students through real world experiences while cultivating independent thinking and creative problem solving.
6. Tomball ISD will prepare our graduates to succeed in the college/career path of their choice.
7. Tomball ISD will promote an emotionally and physically safe and secure learning environment.
8. Tomball ISD will be fiscally responsible while meeting the educational and facility needs of the students.
9. Tomball ISD will inspire students to develop and exhibit character traits that are reflective of community standards.
10. Tomball ISD will actively engage and involve parents and the community.
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Tomball ISD Non-Discrimination Policies

General Policies

Tomball ISD Board Policy FFH (LOCAL)

The District prohibits discrimination, including harassment, against any student on the basis of race, color, religion, gender, national origin, disability, or any other basis prohibited by law. The District prohibits dating violence, as defined by this policy. Retaliation against anyone involved in the complaint process is a violation of District policy and is prohibited.

Tomball ISD Board Policy DIA (LOCAL)

The District prohibits discrimination, including harassment, against any employee on the basis of race, color, religion, gender, national origin, age, disability, or any other basis prohibited by law. Retaliation against anyone involved in the complaint process is a violation of District policy.

Vocational Programs

Tomball ISD offers career and technical education (CTE) programs. See the CTE section for details on course offerings and admission standards.

It is the policy of Tomball ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

The Tomball Independent School District does not discriminate on the basis of race, color, religion, gender, national origin, age, disability, or any other basis prohibited by law in its programs, activities, and or employment practices.

It is the policy of Tomball ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

Tomball ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

For information about your rights or grievance procedures, contact the Title IX Coordinator, Mr. Chris Trotter, at 310 South Cherry, Tomball, TX 77375-5595, (281) 357-3100, Ext. 2077 and or the Section 504 Coordinator, Samora Davis, 310 S. Cherry St, Tomball, TX 77375-5595, (218) 357-3100, ext. 2052.
Politica de No Discriminación de Tomball ISD

Políticas generales

Política FFH (LOCAL) de Tomball ISD

El Distrito prohíbe la discriminación (incluyendo el acoso) en contra de cualquier alumno por motivos de raza, color, religión, sexo, origen nacional, impedimento, o cualquier otro motivo prohibido por la ley. El Distrito prohíbe violencia en citas amorosas por definición de esta norma. Retaliación en contra de cualquier persona involucrada en el proceso de quejas constituye una infracción de la norma del Distrito y está prohibida.

Política DIA (LOCAL) de Tomball ISD

El Distrito prohíbe la discriminación (incluyendo el acoso) en contra de cualquier empleado por motivos de raza, color, religión, sexo, origen nacional, edad, impedimento, o cualquier otro motivo prohibido por la ley. Retaliación en contra de cualquier persona involucrada en el proceso de quejas constituye una infracción de la norma del Distrito y está prohibida.

Programas Vocacionales

Tomball ISD ofrece programas de educación técnica y vocacional. Para más detalles sobre las opciones y los requisitos de admisión, vea la sección de CTE de esta guía.

Es norma de Tomball ISD no discriminar en sus programas, servicios o actividades vocacionales por motivos de raza, color, origen nacional, sexo o impedimento, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; Título IX de las Enmiendas en la Educación de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

Es norma de Tomball ISD no discriminar en sus procedimientos de empleo por motivos de raza, color, origen nacional, sexo, impedimento o edad, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; Título IX de las Enmiendas en la Educación, de 1972, la ley de Discriminación por Edad, de 1975, según enmienda; y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

Tomball ISD tomará las medidas necesarias para asegurar que la falta de habilidad en el uso del inglés no sea un obstáculo para la admisión y participación en todos los programas educativos y vocacionales.

Para información sobre sus derechos o procedimientos de quejas, comuníquese con el Coordinador de Título IX, Sr. Chris Trotter, en 310 South Cherry, Tomball Texas 77375-5595, (281) 357-3100 Ext. 2077, y/o la coordinadora de la sección 504, Samora Davis, 310 S. Cherry St, Tomball, TX 77375-5595, (218) 357-3100 ext 2052.
Tomball ISD High School Course Offerings

The purpose of the Course Selection Guide is to present a brief description of the courses offered at Tomball ISD High Schools. It is updated as often as necessary to address curriculum changes, changes to graduation plans, endorsements, and evolving student needs. The Course Selection Guide is designed to assist students and parents in planning their high school course of study by providing information on graduation requirements and credit options. Students and parents are encouraged to consult with their guidance counselor to answer questions or concerns regarding their high school plan. However, the responsibility to insure that all graduation credits are met rests with the student and his or her parent(s)/guardian(s).

Courses are subject to change in response to changes in law, policy, and regulation. Course fees and other costs are subject to change. Fee waivers or assistance may be available for Economically Disadvantaged students, see counselor for details.

COURSES FOR SPECIAL POPULATIONS

Students with Disabilities (Special Education)

For students with disabilities, the Admission, Review and Dismissal (ARD) Committee will develop an Individualized Education Program (IEP) which assures a Free and Appropriate Public Education, a Least Restrictive Environment, and access to Career and Technical Education courses. For high school students, the IEP serves as the Personal Graduation Plan (PGP) for the purpose of planning courses to meet graduation requirements including endorsement options. Specialized courses which do not appear in this catalog may be available for students with disabilities as determined by the ARD Committee.

English Language Learners (Limited English Proficiency)

A campus Language Proficiency Assessment Committee (LPAC) uses assessment and other academic data to advise the course scheduling of English Language Learners in order to serve them during their period of Limited English Proficiency. ELL students have equal access to Career and Technical Education courses.

Gifted & Talented Students

At the high school level, Gifted & Talented students are served through advanced courses which require additional rigor and advanced curricular content. College Board Advanced Placement (AP), and PAP courses satisfy the requirements for “advanced” courses which serve the academic needs of G/T students.
COURSE TYPES

Regular Academic and Elective

Regular high school courses in Tomball ISD follow the state learning standards set by the Texas Education Agency (TEA) known as the Texas Essential Knowledge and Skills (TEKS). In order to assure the a high quality application of the TEKS, the Tomball ISD department of Curriculum, Instruction and Assessment develops high priority learning standards aligned with college readiness standards, and the standards of nationally recognized institutions in each core subject area. Tomball ISD does not use or align the curriculum to the Common Core Standards developed by the U.S. Department of Education. Consequently, students transferring in from or out to states which use the Common Core Standards may need a specialized transcript evaluation.

The TEKS can be found at:

Advanced Placement (AP) / (PAP)

The College Board AP Program gives students the opportunity to pursue college level studies while still enrolled in high school. In order to receive college advanced placement and/or credit for these courses (which are taken on a Tomball ISD High School campus), students must take the College Board Advanced Placement exams, which are given in May. Registration and fees for the exams are due in February. Students who receive a 3 or higher on an AP exam may be eligible for a Performance Acknowledgment. There is not a universal guideline for how Colleges accept AP scores. The policies for individual colleges can be found at: https://apstudent.collegeboard.org/creditandplacement/search-credit-policies.

In order to best prepare students for the rigor and content of AP courses, Tomball ISD offers a series of PAP courses. These are TEKS-based courses which include standards, assignments, activities, and assessments which are enhanced for advanced coursework. Tomball ISD PAP courses are not the Pre-AP courses designed and offered by College Board. They are locally developed and supported by teachers who are trained in the AP curriculum.

Selection decisions for PAP/AP are often one of the more difficult choices that parents face when their students are considering courses for the next school year. The core content courses are offered in Academic, PAP, AP, and Dual Credit. The decision to enroll in advanced classes ultimately rests with parents and students. The school can provide powerful input through teacher recommendation, communication with parents regarding the challenges of the advanced curriculum, and information about indicators of student success. Students and parents should carefully consider the rigor and time commitment required to successfully complete a PAP/AP course before selecting the course.
Advanced courses are designed to challenge motivated students and prepare them for success in college level course work in high school and in college. These courses typically move at a faster pace, are more academically challenging and require more independent learning and homework than academic courses.

A few important factors to keep in mind are:

- Tomball ISD’s Academic curriculum is a college-bound curriculum.
- While PAP courses are designed to better prepare students for AP, PAP courses are not a requirement for enrolling in AP courses.
- Some AP courses have course prerequisites that must be completed. For example, science courses often have a mathematics course as a prerequisite. Check the course description for prerequisites.
- PAP is not “all or nothing.” Students may take from one to all of their core classes as PAP.
- Students develop academic readiness at different rates and may not be ready for PAP at the same time as their friends or classmates.
- For most courses it is possible to move from academic to the PAP sections. In mathematics, it is more difficult due to the acceleration of content in 6th and 7th grades. A student who decides to move from Academic to PAP mathematics may require some additional support in making the transition.

Profile of a Successful PAP/AP Student:

- Participated in PAP or accelerated courses in junior high school
- Professes interest in subject selected
- Develops and maintains excellent study skills and habits
- Carefully considers time commitments and balances academic load with family life or outside commitments
- Asks questions and participates in class
- Perseveres when faced with challenging material
- Asks for assistance when needed
- Plans and works ahead on long term projects

Additional information on College Board courses can be found at: https://apstudent.collegeboard.org/apcourse

AP Capstone Diploma Program

For information on the AP Capstone Diploma Program and course requirements, see the Other Electives section of this guidebook.
Dual Credit

Dual Credit courses are courses in which the syllabus covers both the state high school curriculum standards of the Texas Essential Knowledge and Skills (TEKS), and the Texas Core Curriculum (TCC) of the Texas Higher Education Coordinating Board (THECB). The courses dually count for high school credit and college credit. In Tomball ISD the usual partnering institution is Lone Star College Tomball. Specially qualified and trained instructors teach the dual curriculum and report the grades to both the high school and to Lone Star College Tomball. Students may transfer the college credits to any other state college within Texas. Credit transfer to non-state institutions depends on the policies of those particular systems. See Dual Credit FAQ in this publication.

Additional information on the TCC can be found at:
http://www.thecb.state.tx.us/index.cfm?objectid=A0A1D690-18B8-11E8-A6640050560100A9

Additional information about Lone Star College’s dual credit program can be found at:
http://www.lonestar.edu/dualcredit.htm
High School Graduation Plans

It is important for students and parents to understand what the graduation requirements are so that appropriate course selection can be made. For students who entered 9th grade in or after the 2014-2015 school year, the Foundation High School Program is the only graduation program available. Students who are receiving special education services may have other options as determined by the Admission, Review and Dismissal (ARD) Committee.

Foundation High School Program (FHSP)

During 8th and 9th grade, students who are graduating under the Foundation High School Program (FHSP) will develop a Personal Graduation Plan (PGP) which includes the intention to complete coursework required to earn one or more endorsement. This planning process begins as early as middle school when students receive information regarding high school graduation plans, endorsements and course options so that they can start to identify electives for their freshman year. Only under restricted circumstances is a student allowed to graduate without an endorsement under the Foundation High School Program.

While there are many particular course credits which are required of all students, each endorsement offers several subject areas where students can elect courses according to their interests. The endorsement a student earns indicates the type of elective coursework in which the student chose to focus during high school. Some students focus on fine arts, while others may focus on computer science, math, JROTC, journalism, foreign language, etc. Taking seven courses during each of the four years of high school means a student can earn up to 28 credits. This provides sufficient opportunity for students to even take electives outside of their endorsement or to complete the requirements for an additional endorsement! Earning even more credits through Credit by Exam, the Texas Virtual School Network, correspondence, or by taking credit courses in junior high school requires careful planning, counselor approval, and may require a fee and other costs. Please contact your counselor early in the planning process if you are interested in such options. Likewise, if a student ever gets behind due to course failure, there are opportunities such as credit recovery to get caught up.

The endorsement areas are:

- Arts & Humanities
- Business & Industry
- Multidisciplinary
- Public Services
- STEM (Science, Technology, Engineering, and Math)

Each endorsement has a few pathways to complete the requirements. See the following pages for details on the elective options and requirements for each endorsement pathway.
Students graduating with an Endorsement under the FHSP can also earn a special designation of *Distinguished Level of Achievement* by taking Algebra II, and earning four credits in both math and science. This is recommended for all students and is a requirement for students to be considered for automatic college admissions.

*Performance Acknowledgements* provide additional recognition of accomplishments earned during high school and are available for students who meet criteria for Dual Credit, Bilingualism/Biliteracy, AP Exams, PSAT/SAT/ACT scores, and certain career certifications.

### Graduation Program Requirements

<table>
<thead>
<tr>
<th>Subject</th>
<th>Foundation (FHSP)</th>
<th>FHSP + Endorsement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Language Arts</strong></td>
<td><strong>(ELA)</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>English 1 (EOC)</td>
<td>English 1 (EOC)</td>
</tr>
<tr>
<td></td>
<td>English 2 (EOC)</td>
<td>English 2 (EOC)</td>
</tr>
<tr>
<td></td>
<td>English 3</td>
<td>English 3</td>
</tr>
<tr>
<td></td>
<td>English 4 or ELA Elective</td>
<td>English 4 or ELA Elective</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Algebra 1 (EOC)</td>
<td>Algebra 1 (EOC)</td>
</tr>
<tr>
<td></td>
<td>Geometry</td>
<td>Geometry</td>
</tr>
<tr>
<td></td>
<td>Math Elective</td>
<td>Math Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Advanced Math Elective</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Biology (EOC)</td>
<td>Biology (EOC)</td>
</tr>
<tr>
<td></td>
<td>IPC or Chemistry</td>
<td>IPC or Chemistry</td>
</tr>
<tr>
<td></td>
<td>Advanced Science Elective</td>
<td>Advanced Science Elective</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>World Geography or World History</td>
<td>World Geography or World History</td>
</tr>
<tr>
<td></td>
<td>US History (EOC)</td>
<td>US History (EOC)</td>
</tr>
<tr>
<td></td>
<td>Government /Economics</td>
<td>Government /Economics</td>
</tr>
<tr>
<td><strong>P.E.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>One credit</td>
<td>One credit</td>
</tr>
<tr>
<td><strong>Language Other Than English</strong></td>
<td>2 Credits in the same language</td>
<td>2 Credits in the same language</td>
</tr>
<tr>
<td><strong>Fine Arts</strong></td>
<td>1 credit</td>
<td>1 credit</td>
</tr>
<tr>
<td><strong>Speech</strong></td>
<td>0.5 credit (Local Requirement)</td>
<td>0.5 credit (Local Requirement)</td>
</tr>
<tr>
<td><strong>Health</strong></td>
<td>0.5 credit (Local Requirement)</td>
<td>0.5 credit (Local Requirement)</td>
</tr>
<tr>
<td><strong>General Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 credit</td>
<td>1 credit</td>
</tr>
<tr>
<td></td>
<td>1 credit</td>
<td>1 credit</td>
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<td></td>
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<tr>
<td></td>
<td>1 credit</td>
<td>1 credit</td>
</tr>
<tr>
<td></td>
<td>1 credit Endorsement Elec.</td>
<td>1 credit Endorsement Elec.</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>22</td>
<td>26</td>
</tr>
</tbody>
</table>

*(EOC) = End of Course exam required for graduation*

Requirements are subject to change at the state and district level. Updates to the state requirements can be found at: [https://tea.texas.gov/graduation-requirements/hb5.aspx](https://tea.texas.gov/graduation-requirements/hb5.aspx)
### Elective Requirements for Foundation High School Program Endorsements

#### STEM (Science, Technology, Engineering, and Math) ENDORSEMENT

<table>
<thead>
<tr>
<th>Pathway</th>
<th>Specific Elective Requirements</th>
</tr>
</thead>
</table>
| CTE Science, Technology, Engineering and Mathematics | Math: Algebra II  
Science: Chemistry and Physics  
4 CTE courses with at least 2 in same career cluster, and at least 1 advanced course |
| Computer Science                                | Math: Algebra II  
Science: Chemistry and Physics  
Coherent sequence of 4 courses in Computer Science                                            |
| Math                                            | Math: Algebra II  
Science: Chemistry and Physics  
2 additional advanced Math courses                                                             |
| Science                                         | Math: Algebra II  
Science: Chemistry and Physics  
2 additional advanced Science courses                                                            |
| Combination                                     | Math: Algebra II  
Science: Chemistry and Physics  
a coherent sequence of three additional credits from no more than two of the categories above |

#### PUBLIC SERVICES ENDORSEMENT

<table>
<thead>
<tr>
<th>Pathway</th>
<th>Specific Elective Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTE Education &amp; Training/Human Services</td>
<td>4 CTE courses with at least 2 in same career cluster and at least 1 advanced course</td>
</tr>
<tr>
<td>JROTC</td>
<td>Four courses in JROTC</td>
</tr>
</tbody>
</table>

#### MULTIDISCIPLINARY ENDORSEMENT

<table>
<thead>
<tr>
<th>Pathway</th>
<th>Specific Elective Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Courses</td>
<td>4 advanced courses from any other endorsement area</td>
</tr>
</tbody>
</table>
| 4x4                                          | Science: Chemistry and/or Physics  
ELA: English IV; and  
World History and World Geography  
(four credits in each of the four core subject areas) |
| Advanced Placement (AP) or Dual Credit (DC)  | 4 advanced AP or DC courses among ELA, Math, Science, Social Studies, Foreign Language and Fine Arts |
## BUSINESS & INDUSTRY ENDORSEMENT

<table>
<thead>
<tr>
<th>Pathway</th>
<th>Specific Elective Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CTE</strong></td>
<td></td>
</tr>
<tr>
<td>Agriculture, Food, and Natural Resources</td>
<td>4 CTE courses with at least 2 in same career cluster and at least 1 advanced course</td>
</tr>
<tr>
<td>Architecture and Construction</td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td></td>
</tr>
<tr>
<td>Manufacturing</td>
<td></td>
</tr>
<tr>
<td>English Language Arts</td>
<td>Four English Electives including three credits in ONE of the following:</td>
</tr>
<tr>
<td></td>
<td>Advanced Newspaper,</td>
</tr>
<tr>
<td></td>
<td>Advanced Yearbook,</td>
</tr>
<tr>
<td></td>
<td>Debate</td>
</tr>
<tr>
<td>Combination</td>
<td>Coherent sequence of credits listed above</td>
</tr>
</tbody>
</table>

## ARTS & HUMANITIES ENDORSEMENT

<table>
<thead>
<tr>
<th>Pathway</th>
<th>Specific Elective Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Studies</td>
<td>Additional Social Studies Credits (for total of 5)</td>
</tr>
<tr>
<td>One Foreign Language</td>
<td>Four levels in same Foreign Language</td>
</tr>
<tr>
<td>Two Foreign Languages</td>
<td>Two levels in two different Foreign Languages</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>Four credits from one or two Fine Arts</td>
</tr>
</tbody>
</table>

For the Arts & Humanities Endorsement, students may meet the required 4th credit of science with an elective from ELA, Foreign Languages, Fine Arts, or Social Studies.

You can find information on careers and college majors associated with these endorsements at this link: [https://bigfuture.collegeboard.org/majors-careers](https://bigfuture.collegeboard.org/majors-careers)
Allowable Substitutions

Please see below for course substitutions that are permitted by state law and district policy. No other substitutions are allowed. For students receiving Special Education services, the ARD committee will determine the specific allowable requirements for graduation.

Foreign Language or Languages Other Than English (LOTE)

Students who complete a year of LOTE and are determined (by teacher/parent/principal or designee; or ARD/504) unlikely to pass a second year are permitted to substitute a credit from the following courses for the second required LOTE credit:

- World History or World Geography (if not required to take both by district)
- A different LOTE class (student would have one year of one language, one of another)
- A Special Education or Section 504 student may substitute a combination of a core subject or CTE courses per IEP or 504.

Students may substitute certain computer science courses to meet the Languages Other Than English requirement for the Foundation High School Program.

A student who successfully completes a dual language immersion/two-way or dual language immersion/one-way program at an elementary school may satisfy one credit of the two credits required in a language other than English.

To successfully complete a dual language immersion program, a student must:
- (I) have participated in a dual language immersion program for at least five consecutive school years;
- (II) achieve high levels of academic competence as demonstrated by performance of meets or masters grade level on the State of Texas Assessments of Academic Readiness (STAAR®) in English or Spanish, as applicable; and
- (III) achieve proficiency in both English and a language other than English as demonstrated by scores of proficient or higher in the reading and speaking domains on language proficiency or achievement tests in both languages.

(ii) The second credit of a language other than English must be in the same language as the successfully completed dual language immersion program.

Physical Education (P.E.)

Students may meet the one credit requirement for Physical Education by substituting a credit from one of the following:

- Athletics
- JROTC
- Drill Team
- Marching Band / Color Guard
Cheerleading
A non-district program (must meet specific criteria and have district approval)

A student receiving Special Education services or services through Section 504 may substitute P.E. with a core subject course according to the IEP or Section 504 Plan.

End of Course (EOC) Exams Required for Graduation

EOC assessments are administered for the following courses: English I, English II, Algebra I, Biology, and United States History. Each student will be required to achieve certain scores on the applicable EOC assessments to graduate. A student who has not achieved a satisfactory score on an EOC assessment will have opportunities to retake the assessment. Certain provisions for exemption apply to students who completed the courses while not enrolled in a Texas public school. Additional provisions apply to the graduation requirements for students served through an Individualized Education Program (IEP) and for certain recently arrived immigrant students with limited proficiency in the English language.

Under certain circumstances, students may meet the testing requirements for graduation through meeting the criteria on certain alternative assessments approved by the Commissioner of Education. These assessments include the ACT, SAT, AP, IB, and TSI exams.
ENGLISH LANGUAGE ARTS

ENGLISH COURSES

All of the levels of English cover the following curriculum areas:

**Reading**, where students read and understand a wide variety of literary and informational texts;

**Writing**, where students compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail;

**Research**, where students are expected to know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information;

**Listening and Speaking**, where students listen and respond to the ideas of others while contributing their own ideas in conversations and in groups; and

**Oral and Written Conventions**, where students learn how to use the oral and written conventions of the English language in speaking and writing.

**English I**

Required for: FHSP, FHSP+Endorsement

**English I (ENG1000)**

| Grade: 9 | Credit: 1 | GPA Weight: Regular |
| EOC Exam Required |

This course emphasizes reading, writing, listening, speaking, viewing, and representing as per the Texas Essential Knowledge and Skills. Students write a variety of short and long compositions stressing sound ideas, good organization, individual voice, powerful words, smooth fluency, and correct conventions. Literature selections include short stories, poems, novels, nonfiction pieces, epic poetry, and drama.

**PAP English I (ENG1020Q)**

| Grade: 9 | Credit: 1 | GPA Weight: Advanced |
| EOC Exam Required |

Recommended for *Gifted & Talented* students

This course addresses all Texas Essential Knowledge and Skills, with an added emphasis on preparing students for the AP curriculum and college level courses. Literature study focuses on classic novels, drama, epic poetry, short stories, poetry, and nonfiction pieces. The reading requirement is stringent and advanced, including between eight and ten major works. Writing includes a variety of both short and long compositions, including formal literary analysis and research. A summer reading assignment and/or project is required. It is each student’s responsibility to obtain and complete the assignment.
English II
Required for: FHSP, FHSP+Endorsement

**English II (ENG2000)**
Grade: 10  Credit: 1  GPA Weight: Regular
EOC Exam Required

This survey course emphasizes a thematic approach to the various genres of literature, including the short story, novel, drama, poetry and nonfiction. Students gain experience in all modes of writing through the writing process which includes: prewriting, drafting, revising, proofreading, and producing a final product. Oral and written assignments prepare students to master the STAAR EOC test as well as skills useful in the work environment.

**PAP English II (ENG2020Q)**
Grade: 10  Credit: 1  GPA Weight: Advanced
EOC Exam Required
Recommended for Gifted & Talented students

This class prepares students for the English Language and English Literature AP preparatory courses offered at the 11th and 12th grade. The reading requirements are both stringent and advanced. Through reading classic and contemporary literature, writing, listening, and speaking, students will analyze authors’ purposes and elements of style. Research skills are strongly emphasized at this level. After registration for this course, students are responsible for obtaining the instructions for the summer reading assignment and/or project. A summer reading assignment and/or project is required. It is each student’s responsibility to obtain and complete the assignment.

English III
Required for: FHSP, FHSP+Endorsement

**English III (ENG3000)**
Grade: 11  Credit: 1  GPA Weight: Regular

This course surveys American literature, focusing on literary analysis and understanding of historical background. Students will read and study non-fiction, novels, poetry, short stories, and modern drama. This skills course, based on the TEKS (Texas Essential Knowledge and Skills) and STAAR EOC objectives, will focus on critical reading, writing in a variety of modes for a variety of purposes, vocabulary study, research skills (including a research paper), and speaking and listening.
AP English III [AP English Language and Composition] (ENG3030P)
Grade: 11  Credit: 1  GPA Weight: Advanced
Recommended Prerequisite: PAP English II
AP Exam required for possible college credit
Recommended for Gifted & Talented students

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. After registration for this course, students are responsible for obtaining the instructions for the summer reading assignment and/or project. A summer reading assignment and/or project is required. It is each student’s responsibility to obtain and complete the assignment.

English III Dual Credit – Composition and Rhetoric (ENG3140D)
ENGL 1301/1302 – Composition and Rhetoric I-II
Grade: 11  Credit: 1; College Hours: 6  GPA Weight: Advanced
Prerequisites: English II; enrollment in Lone Star College – Tomball
Location: High School campus

Students must meet specific entrance requirements. Each semester requires research paper(s) and a final exam. Grades and credits/hours are posted concurrently on the high school transcript and a college transcript.

Intensive study 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. Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.

After registration for this course, students are responsible for obtaining the instructions for the summer reading assignment and/or project. A summer reading assignment and/or project is required. It is each student’s responsibility to obtain and complete the assignment.
**English IV**

Required for: Multidisciplinary Endorsement 4x4 Pathway  
Recommended for: FHSP, FHSP+Endorsement

**English IV (ENG4000)**  
Grade: 12  
Credit: 1  
GPA Weight: Regular

This course provides intensive instruction in the more advanced forms of writing, to sustain the previous emphasis upon the composing process, and to refine the students’ literary skills and knowledge base in British literature. Each unit fuses language, literature and composition components. Major works will include at least one selection from each literary era. Students write a college application essay as well as complete a research paper with full documentation. Additionally, the students engage in novel reading emphasizing skills in listening, speaking, and writing.

**AP English IV [AP English Literature and Composition] (ENG4030P)**  
Grade: 12  
Credit: 1  
GPA Weight: Advanced

AP Exam required for possible college credit  
Recommended Prerequisite: AP English III  
Recommended for Gifted & Talented students

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work’s structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. After registration for this course, students are responsible for obtaining the instructions for the summer reading assignment and/or project. A summer reading assignment and/or project is required. It is each student’s responsibility to obtain and complete the assignment.

**Dual Credit English IV - Composition and Rhetoric (ENG4400D1)**  
ENGL 1301/1302 – Composition and Rhetoric I-II  
Grade: 12  
Credit: 1; College Hours: 6  
GPA Weight: Advanced  
Prerequisites: English III; enrollment in Lone Star College – Tomball  
Location: High School campus

Intensive study 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. Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. After registration for this course, students are responsible for obtaining the instructions for the summer reading assignment and/or project. A summer reading assignment and/or project is required. It is each student’s responsibility to obtain and complete the assignment.

Dual Credit English IV – Survey of British and World Literature (ENG4340D2)
ENGL 2323: Survey of British Literature – Romantic through the Present
ENGL 2332: Survey of World Literature – Ancient Times through 16th Century
Grade: 12 Credit: 1; College Hours: 6 GPA Weight: Advanced
Prerequisites: DC English III; enrollment in Lone Star College – Tomball
Location: High School campus

Students must meet specific entrance requirements. Each semester requires research paper(s) and a final exam. Grades and credits/hours are posted concurrently on the high school transcript and a college transcript.

The first semester is a survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. The second semester is a survey of world literature from the ancient world through the 16th century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. After registration for this course, students are responsible for obtaining the instructions for the summer reading assignment and/or project. A summer reading assignment and/or project is required. It is each student’s responsibility to obtain and complete the assignment.

English IV College Prep: Advanced Integrated Reading & Writing (ENG4100)
Grade: 12 Credit: 1 GPA Weight: Regular

This course was developed in partnership with Lone Star College Tomball to serve the academic needs of seniors who need additional support in English Language Arts to assure college readiness. The may also serve as a preparatory course for the STAAR End of Course exams for English I and English II. See counselor for details.
JOURNALISM & WRITING

Journalism
Elective for: FHSP, FHSP+Endorsement
Prerequisite for Advanced Journalism: Newspaper I and Yearbook I (editor positions)

Journalism I (JRN1000)
Grades: 9-12       Credit: 1       GPA Weight: Regular
Course Fee: Yes

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

Photojournalism
Elective for: FHSP, FHSP+Endorsement

Photojournalism I (JRN1007)
Grades: 9-12       Credit: 0.5       GPA Weight: Regular
Course Fee: Yes

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

This course teaches basic photography skills using digital cameras and develops competency in taking and editing digital news and feature photos for publications. Photo
composition and technical aspects of photography will be studied, as well as software for editing the photos. Students will learn to edit, crop, resize, and print photos for publication. Each student must provide their own digital camera, which must be able to take photos of a resolution of 300 dpi or greater. Cell phone cameras are not acceptable. This class is designed for students wanting to go on to the yearbook or newspaper staffs as a photographer. Students will be required to attend events outside of the normal school day to take photos.

**Advanced Broadcast Journalism**
Elective for: FHSP, FHSP+Endorsement
Elective for: Business & Industry Endorsement ELA Pathway

**Advanced Broadcast Journalism I, II, III (JRN3100, JRN2000, JRN3000)**
Grades: 9-12  
Credit: 1.0  
GPA Weight: Regular  
Course Fee: Yes

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

Students will learn, through a variety of video production experiences, the power of the medium, examine issues of fairness and objectivity, make critical thinking decisions on a regular basis, and gain an overall understanding of modern news-gathering techniques. These students will produce videos such as documentaries, student announcements for the school, live webcasts of events (sports, graduation and others), and document the school year in video.

**Advanced Journalism: Yearbook & Newspaper**
Elective for: FHSP, FHSP+Endorsement
Elective for: Business & Industry Endorsement ELA Pathway

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

Students enrolled in Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/Literary Magazine will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

**Advanced Journalism – Yearbook Production I (JRN2100)**

Grades: 10-12  
Credit: 1  
GPA Weight: Regular  
Prerequisites: Journalism I for editor positions, Photojournalism I for photographer positions  
Requires application and sponsor approval  
Editors must attend Summer Yearbook Camp  

This course teaches the elements and processes of magazine journalism with emphasis on the production of the school yearbook. Effective graphic design and good copywriting are emphasized as students undertake an intensive study of trends in contemporary yearbooks and magazines. Students also learn about advertising sales and design as they plan and implement an advertising campaign to defray costs of production. This course affords an overview of advertising, graphic design, copywriting, and publishing techniques and terminology. Strong emphasis is placed on writing, responsibility and a commitment to producing a high-quality publication within time and budget constraints. Software programs utilized will be Microsoft Word, Photoshop, and Adobe InDesign. Students will be responsible for the design and sale of advertising and the sale and distribution of yearbooks. As necessary, students will be expected to stay after school to meet deadlines.

**Advanced Journalism – Yearbook Production II (JRN2200)**

Grades: 11-12  
Credit: 1  
GPA Weight: Regular  
Prerequisites: Advanced Journalism – Yearbook Production I  
Requires application and sponsor approval  
Editors must attend Summer Yearbook Camp  

This course teaches the elements and processes of magazine journalism with emphasis on the production of the school yearbook. Effective graphic design and good copywriting are emphasized as students undertake an intensive study of trends in contemporary yearbooks and magazines. Students also learn about advertising sales and design as they
plan and implement an advertising campaign to defray costs of production. This course affords an overview of advertising, graphic design, copywriting, and publishing techniques and terminology. Strong emphasis is placed on writing, responsibility, and a commitment to producing a high-quality publication within time and budget constraints. Software programs utilized will be Microsoft Word, Photoshop, and Adobe InDesign. Students will be responsible for the design and sale of advertising and the sale and distribution of yearbooks. As necessary, students will be expected to stay after school to meet deadlines.

**Advanced Journalism – Yearbook Production III (JRN2300)**

Grade: 12
Credit: 1
GPA Weight: Regular
Prerequisites: *Advanced Journalism – Yearbook Production II*
Requires application and sponsor approval
Editors must attend Summer Yearbook Camp

This course further refines and develops journalistic skills as students function in key positions on the yearbook staff. Students will use their knowledge of graphic design and copywriting to plan and produce a yearbook, utilizing specific software programs. The students will also develop a budget for the publication, implement circulation and advertising campaigns, and complete the book within budget limits and by the deadline. Students will be responsible for the design and sale of advertising and the sale and distribution of yearbooks. As necessary, students will be expected to stay after school to meet deadlines.

**Advanced Journalism – Newspaper Production I (JRN1100)**

Grades: 10-12
Credit: 1
GPA Weight: Regular
Prerequisites: *Journalism I* for staff positions,
*Photojournalism I* for photographer positions
Requires application and sponsor approval

This course allows students to work in all phases of newspaper production: interviewing, writing, editing and designing pages. They will also design and sell advertising (major grade) for each edition of the newspaper. Strong emphasis is placed on writing. Interpretive reporting is emphasized, and a study of libel is undertaken. Students will become proficient in the use of software programs including, but not limited to, Microsoft Word, Photoshop, and Adobe InDesign. Every four weeks at deadlines, students will be expected to work after school several days for about two hours.
Advanced Journalism – Newspaper Production II (JRN1200)

Grades: 11-12  Credit: 1  GPA Weight: Regular
Prerequisites: Advanced Journalism – Newspaper Production I
Requires application and sponsor approval

This course provides further opportunities to practice the journalistic skills learned in the first two years. In addition, students will guide the second-year students in their assumption of production responsibility. While students in this course hold key positions on the school newspaper staff, strong emphasis is placed on individual development in journalistic writing and publications skills. Students will be required to design and sell advertising (major grade) for each edition of the newspaper. Every four weeks at deadlines, students will be expected to work after school several days for about two hours.

Advanced Journalism – Newspaper Production III (JRN1300)

Grade: 12  Credit: 1  GPA Weight: Regular
Prerequisites: Advanced Journalism – Newspaper Production II
Requires application and sponsor approval

This fourth-year course further refines and develops students’ journalistic skills as they continue to function in key positions and guide the development of less-experienced editors. Emphasis will be placed on individual writing projects for outside publications and on research into various aspects of the media with a focus on career planning. Students will be required to design and sell advertising for each edition of the newspaper. Students will be expected to work after the normal school day every four weeks at deadlines.

Independent Studies in Journalism – (JRN8000IS)

Grade: 12  Credit: 1  GPA Weight: Regular
Prerequisite: Previous Journalism, counselor approval

Students enrolled in Independent Study in Journalism write in a variety of forms for a variety of audiences and purposes. High school students enrolled in this course are expected to plan, draft, and complete written communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Students will become analytical consumers of media and technology to enhance their communication skills. Published work of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Independent Study in Journalism will refine and enhance their journalistic skills, research self-selected topics, plan, organize, and prepare a project(s).
**Writing**

Elective: FHSP; FHSP+Endorsement  
May satisfy 4th English Language Arts credit requirement for graduation

**Creative Writing (LAE1000)**  
Grades: 9-12  
Credit: 0.5-1  
GPA Weight: Regular

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

**Practical Writing (PWR1000)**  
Grades: 9-12  
Credit: 1.0  
GPA Weight: Regular

This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary. Students are expected to understand the recursive nature of reading and writing. Evaluation of students' own writing as well as the writing of others ensures that students completing this course are able to analyze and evaluate their writing.
English Electives

**College Readiness & Study Skills**
Elective for: FHSP, FHSP+Endorsement
May satisfy 0.5 credits of 4th ELA requirement for FHSP, FHSP+Endorsement

**College Readiness & Study Skills (ENG4206)**
Grades: 10-12 Credit: 0.5 GPA Weight: Regular

In this course, students acquire techniques for learning from texts, including studying word meanings, identifying and relating key ideas, drawing and supporting inferences, and reviewing study strategies. In all cases, interpretations and understandings will be presented through varying forms, including through use of available technology. Students accomplish many of the objectives through wide reading as well as use of content texts in preparation for post-secondary schooling. This course prepares students for successful completion of the SAT or ACT.

**Independent Study in English: Hebrew Scriptures**
Elective for: FHSP, FHSP+Endorsement
May satisfy 0.5 credits of 4th ELA requirement for FHSP, FHSP+Endorsement

**The Bible in History and Literature (LAEO005)**
Grades: 10-12 Credit: 0.5 GPA Weight: Regular

This course is designed to teach the Bible with primary emphasis on the text in order to:
1. Equip the student with a fundamental understanding of the important literary forms contained in the Bible as well as people and symbols often referred to in literature, art and music;
2. Equip the student with a fundamental understanding of the influence of the Bible on history, law, American community life and culture;
3. Give insight into the world views of America’s Founding Fathers and to understand the Biblical influences on their views on human rights;
4. Provide a greater knowledge of Middle-Eastern history, geography, religion and politics;
5. Inform students of the importance of religion in world and national history, without imposing the doctrine of any particular religious sect.
SPEECH & DEBATE

Professional Communications

Elective for Speech Requirement of: FHSP; FHSP+Endorsement if not credited for Communication Applications, Debate, or Teen Leadership

**Professional Communications (PCO1709)  CTE Course**  
Grades: 9-12  
Credit: 0.5  
GPA Weight: Regular

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.

Debate

Elective for: FHSP+Endorsement  
May satisfy local Speech requirement for: FHSP, FHSP+Endorsement

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.

**Debate I (COM1000)**  
Grades: 9-12  
Credit: 1.0  
GPA Weight: Regular

This introductory public speaking course emphasizes debate, research, and argumentation. It is a course for academically capable students who wish to gather material through research and to organize that information into debate briefs for the purpose of building both affirmative and negative cases.

**Debate II (COM2000)**  
Grades: 10-12  
Credit: 1.0  
GPA Weight: Regular  
Prerequisite: Debate I
This course is a continuation of Debate I with emphasis upon refining the skill of writing debate briefs and competing as a member of the Interscholastic Speech and Debate Team. The purpose of this class is to learn the art of competitive speaking. The course will also include Extemporaneous Speaking and Oratorical speaking and writing. Since this course provides training for interscholastic competition, concentrating on intensive practice, criticism, and self-evaluation. Due to the fact that this course requires interscholastic competition on Fridays and Saturdays, only students who will commit to tournament participation should consider this course.

**Debate III (COM3000)**
Grades: 11-12  Credit: 1.0  GPA Weight: Regular
Prerequisite: Debate II

This course is a continuation of Debate II with emphasis upon refining the skill of writing debate briefs and competing as a member of the Interscholastic Speech and Debate Team. The purpose of this class is to learn the art of competitive speaking. The course will also include Extemporaneous Speaking and Oratorical speaking and writing. Since this course provides training for interscholastic competition, concentrating on intensive practice, criticism, and self-evaluation. Due to the fact that this course requires interscholastic competition on Fridays and Saturdays, only students who will commit to tournament participation should consider this course.

**Debate IV (COM4000)**
Grade: 12  Credit: 1.0  GPA Weight: Regular
Prerequisite: Debate III

This course is a continuation of Debate III with emphasis upon refining the skill of writing debate briefs and competing as a member of the Interscholastic Speech and Debate Team. The purpose of this class is to learn the art of competitive speaking. The course will also include Extemporaneous Speaking and Oratorical speaking and writing. Since this course provides training for interscholastic competition, concentrating on intensive practice, criticism, and self-evaluation. Due to the fact that this course requires interscholastic competition on Fridays and Saturdays, only students who will commit to tournament participation should consider this course.
### MATHEMATICS

*Possible Course Sequence in Mathematics*

<table>
<thead>
<tr>
<th>Grade</th>
<th>Course Options</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>7th</strong></td>
<td><em>Algebra I PAP</em></td>
</tr>
<tr>
<td><strong>8th</strong></td>
<td><em>Geometry PAP</em> <em>Algebra I PAP</em></td>
</tr>
<tr>
<td><strong>9th</strong></td>
<td>Algebra II PAP Geometry PAP Algebra I PAP Algebra I</td>
</tr>
<tr>
<td><strong>10th</strong></td>
<td>Precalculus PAP Algebra II PAP Geometry PAP Geometry</td>
</tr>
<tr>
<td><strong>11th</strong></td>
<td>AP Calculus AB; DC Calculus Precalculus PAP Algebra II PAP Algebra II Math Models</td>
</tr>
<tr>
<td><strong>12th</strong></td>
<td>AP Calculus BC; DC Calculus; AP/DC Statistics AP Calculus AB; DC Calculus AP/DC Statistics; DC Algebra Precalculus PAP; AP/DC Statistics; DC Algebra Precalculus; College Prep Math; Statistics/DC Statistics; DC Algebra Algebra II</td>
</tr>
</tbody>
</table>

AP = Advanced Placement; DC = Dual Credit Other sequences may be permissible with counselor approval. *= Special entrance criteria required

### ALGEBRA I, II COURSES

#### Algebra I

Required for: FHSP, FHSP+Endorsement

**Algebra I (MTH1000)**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Credit</th>
<th>GPA Weight</th>
<th>EOC Exam Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>1</td>
<td>Regular</td>
<td>Required</td>
</tr>
</tbody>
</table>

In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear
systems with two equations and two variables and will create new functions through transformations.

PAP Algebra I (MTH1020Q)
Grade: 9  
Credit: 1  
GPA Weight: Advanced  
EOC Exam Required  
Recommended for Gifted & Talented students

In PAP Algebra I, students will follow a rigorous curriculum to master linear relationships, number and operations, and proportionality. Students will master linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will master polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Algebra II
Required for:  FHSP STEM Endorsement, FHSP Distinguished Level of Achievement  
Elective for:  MHSP, FHSP, FHSP+Endorsement

Algebra II (MTH3000)
Grades: 9-12  
Credit: 1  
GPA Weight: Regular  
Prerequisite:  Algebra I  
Recommended Prerequisite: Geometry

Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

PAP Algebra II (MTH3020Q)
Grades: 9-11  
Credit: 1  
GPA Weight: Advanced  
Prerequisites:  Algebra I  
Recommended Prerequisite: PAP Geometry  
Recommended for Gifted & Talented students
In preparing a strong foundation for subsequent AP mathematics courses, students in PAP Algebra II will master quadratic functions, exponential functions, and systems of equations. Students will master logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

**Dual Credit College Algebra (MTH4240D)**

MATH 1314 – College Algebra  
Grade: 11-12  Credit: 1; College Hours: 3  GPA Weight: Advanced
Prerequisites: Algebra II; enrollment in Lone Star College – Tomball  
Location: High School campus

In-depth study and applications of polynomial, rational, radical, absolute value, piecewise-defined, exponential and logarithmic functions, equations, inequalities, graphing skills and systems of equations using matrices. Additional topics such as sequences, series, probability, conics, and inverses may be included.

**GEOMETRY COURSES**

**Geometry**
Required for: FHSP, FHSP+Endorsement

**Geometry (MTH2000)**
Grades: 9-10  Credit: 1  GPA Weight: Regular
Prerequisite: Algebra I

Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students will connect previous knowledge from Algebra I to Geometry through the coordinate and transformational geometry strand. In the logical arguments and constructions strand, students are expected to create formal constructions using a straight edge and compass.
Though this course is primarily Euclidean geometry, students should complete the course with an understanding that non-Euclidean geometries exist. In proof and congruence, students will use deductive reasoning to justify, prove and apply theorems about geometric figures. Students will use their proportional reasoning skills to prove and apply theorems and solve problems in this strand. Using patterns to identify geometric properties, students will apply theorems about circles to determine relationships between special segments and angles in circles.

Due to the emphasis of probability and statistics in the college and career readiness standards, standards dealing with probability have been added to the geometry curriculum to ensure students have proper exposure to these topics before pursuing their post-secondary education.

**PAP Geometry (MTH2020Q)**

Grades: 9-10  
Credit: 1  
GPA Weight: Advanced  
Prerequisite: Algebra I (PAP Algebra I recommended)  
Recommended for Gifted & Talented students

A rigorous course of study, based on the postulates and theorems of Euclid, PAP Geometry is designed to prepare students for a continued study of mathematics leading to preparation for the AP examination in Calculus. Through intense study of logic the student will gain a foundation for advanced mathematics.

Students will master concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. In proof and congruence, students will use deductive reasoning to justify, prove and apply theorems about geometric figures. Students will use their proportional reasoning skills to prove and apply theorems and solve problems in this strand. Using patterns to identify geometric properties, students will apply theorems about circles to determine relationships between special segments and angles in circles.
Math Electives

**Mathematical Models With Applications**
Elective for FHSP, FHSP+Endorsement

**Mathematical Models with Applications (MTH2100)**
Grades 10-11 Credit: 1 GPA Weight: Regular
Prerequisite: Algebra I
Recommended Prerequisite: Geometry (or concurrent enrollment)

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.

**College Preparatory Mathematics**

**College Preparatory Math (MTH3100)**
Grade: 12 Credit: 1 GPA Weight: Regular
Prerequisite: Algebra II

The first semester of this course includes topics in algebraic operations, elementary equations, laws of integer exponents, factoring and radical notation, rational expressions and the Cartesian coordinate system. The second semester includes topics in quadratic equations, radical expressions, graphing linear equations and inequalities in two variables, radical and rational exponent expressions, complex numbers, functional notation, and higher degree polynomials. Successful completion of this course should prepare the student for enrollment in College Algebra.
**Financial Mathematics**

**Financial Math (MTH5300) CTE Course**

Grade: 11-12  
Credit: 1  
GPA Weight: Regular  
Prerequisite: Algebra I

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.

**PRECALCULUS & CALCULUS COURSES**

**Precalculus**

Elective for: FHSP, FHSP+Endorsement

**Precalculus (MTH4000)**

Grades: 9-10  
Credit: 1  
GPA Weight: Regular  
Prerequisites: Algebra I, Geometry, Algebra II

Precalculus is the preparation course for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

**PAP Precalculus (MTH4020Q)**

Grades: 9-10  
Credit: 1  
GPA Weight: Advanced  
Prerequisites: Geometry (PAP Geometry recommended)  
Algebra II (PAP Algebra II recommended)  
Recommended for Gifted & Talented students

This rigorous course is designed to prepare the foundation for Calculus AP. It provides instruction in the following topics: real numbers, trigonometric functions and their graphs. The study of functions is extended to include polynomial, rational, exponential, polar and logarithmic functions, and sequences and series. The course also includes the study of vectors, elementary analysis and presents introductory concepts of limits.
**Calculus**

Elective for: FHSP, FHSP+Endorsement

**AP Calculus AB (MTH5030P)**
- Grades: 11-12
- Credit: 1
- GPA Weight: Advanced
- Prerequisites: Precalculus (PAP Precalculus recommended)
- AP Exam required for possible college credit
- Recommended for Gifted & Talented students

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

**AP Calculus BC (MTH5130P)**
- Grades: 11-12
- Credit: 1
- GPA Weight: Advanced
- Prerequisites: Precalculus (PAP Precalculus recommended)
- AP Exam required for possible college credit
- Recommended for Gifted & Talented students

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Students who have previously enrolled/earned credit in AP Calculus AB or Dual Credit Calculus I will receive a pass/fail grade for the first semester of AP Calculus BC.
Dual Credit Calculus I (MTH5340D)

Calculus I (MATH2413)

Grades: 11-12 Credit: 1, College Hours: 4 GPA Weight: Advanced

Prerequisites: Precalculus (PAP Precalculus recommended)

Enrollment in Lone Star College – Tomball

Location: High School campus

Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

Dual Credit Calculus I, II (MTH5540D)

Calculus I (MATH2413), Calculus II (MATH2414)

Grades: 11-12 Credit: 1, College Hours: 8 GPA Weight: Advanced

Prerequisites: Precalculus (PAP Precalculus recommended)

Enrollment in Lone Star College – Tomball

Location: High School campus

Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas. Differentiation and integration of exponential and logarithmic functions, techniques of integration, applications of the definite integral, the calculus of transcendental functions, parametric equations, polar coordinates, indeterminate forms and L’Hopital’s Rule, improper integrals, sequences and series.
Statistics
Elective for: FHSP, FHSP+Endorsement

Statistics (MTH5200)
Grades: 11-12 Credit: 1 GPA Weight: Regular
Prerequisites: Algebra II

This algebra-based course guides the students building their algebra skills in the statistical setting. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

AP Statistics (MTH5230P)
Grades: 11-12 Credit: 1 GPA Weight: Advanced
Prerequisites: Algebra II (PAP Algebra II recommended)
AP Exam required for possible college credit
Recommended for Gifted & Talented students

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

Dual Credit Statistics (MTH5640D)
Statistics (MATH1342)
Grades: 11-12 Credit: 1, College Hours: 3 GPA Weight: Advanced
Prerequisites: Algebra II (PAP Algebra II recommended)
Enrollment in Lone Star College – Tomball
Location: High School campus

This course covers 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

Core Courses

Biology Courses
One credit required for: FHSP, FHSP+Endorsement

Biology (SCI1000)
Grade: 9  Credit: 1  GPA Weight: Regular
EOC Exam Required

In Biology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment.

PAP Biology (SCI1020Q)
Grade: 9  Credit: 1  GPA Weight: Advanced
EOC Exam Required
Recommended for Gifted & Talented students

PAP Biology is a course for students who plan to enter science careers and take AP science classes. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in PAP Biology master a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. This rigorous course in biology will emphasize the biochemical processes of life, molecular and classical genetics, cell biology, and all kingdoms of Life including physiology of plants and animals.
AP Biology (SCI5030P)
Grades: 10-12  Credit: 1  GPA Weight: Advanced
Prerequisites: Biology (PAP Biology recommended)
Chemistry (PAP Chemistry recommended)
AP Exam required for possible college credit
Recommended for Gifted & Talented students

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions.

The course is based on four Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about living organisms and biological systems. The following are Big Ideas:

- The process of evolution explains the diversity and unity of life.
- Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis.
- Living systems store, retrieve, transmit, and respond to information essential to life processes.
- Biological systems interact, and these systems and their interactions possess complex properties.

Dual Credit Biology (SCI5240D)
Biology I for Science Majors (BIOL 1406)
Biology II for Science Majors (BIOL 1407)
Grades: 11-12  Credit: 1, College Hours: 8  GPA Weight: Advanced
Prerequisites: Biology (PAP Biology recommended)
Chemistry (PAP Chemistry recommended)
Enrollment in Lone Star College – Tomball
Location: High School campus

A contemporary course including applications of the scientific method, cellular and molecular biology, biochemistry, classical and human genetics, virology and mechanisms of evolution. It includes a detailed survey of the major phylogenetic lineages. This includes a comparison of the systems of different organisms. Ecological roles and relationships, as well as behavior of organisms, will be integrated throughout.
Integrated Physics and Chemistry (IPC)
Science Elective for: FHSP, FHSP+Endorsement

Integrated Physics and Chemistry (IPC) (SCI1100)
Grades: 9-10  Credit: 1  GPA Weight: Regular
Prerequisite: Algebra I or concurrent enrollment

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific methods 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.

Chemistry Courses
1 credit required for: FHSP STEM Endorsement, and Multidisciplinary 4x4 Pathway
Science Elective for: FHSP, other FHSP+Endorsement

Chemistry (SCI3000)
Grades: 10-12  Credit: 1  GPA Weight: Regular
Prerequisites: Algebra I, Biology

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

PAP Chemistry (SCI3020Q)
Grades: 10-12  Credit: 1  GPA Weight: Advanced
Prerequisites: Algebra I (PAP Algebra I recommended)
Biology (PAP Biology recommended)
Geometry or concurrent enrollment (PAP Geometry recommended)
Recommended for Gifted & Talented students

This course is designed for students planning to take Chemistry AP and intending to enter a career in medicine, chemistry, or chemical engineering. Students are expected to complete homework assignments daily and have strong study skills. Mathematical applications and logical thinking skills are stressed throughout the course. Students study
a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry.

**AP Chemistry (SCI5130P)**

Grades: 11-12  
Credit: 1  
GPA Weight: Advanced  
Prerequisites: Chemistry (PAP Chemistry recommended)  
Algebra II (PAP Algebra II recommended)  
AP Exam required for possible college credit  
Recommended for Gifted & Talented students

The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

**Dual Credit Chemistry (SCI5540D)**

General Chemistry I (CHEM 1411)  
Grades: 11-12  
Credit: 1, College Hours: 4  
GPA Weight: Advanced  
Prerequisites: Chemistry (PAP Chemistry recommended)  
Algebra II or PAP Algebra II recommended  
Enrollment in Lone Star College – Tomball  
Location: High School Campus

Topics include a mathematical introduction (metric system, significant figures and scientific notation), discussion of atoms, molecules and ions, stoichiometry, electronic structure, periodic relationships, bonding, molecular geometries and properties of gases, liquids, solids and solutions. Appropriate lab experiments are included.
Physics Courses
1 credit required for: FHSP STEM Endorsement, and Multidisciplinary 4x4 Pathway
Science Elective for: FHSP, other FHSP+Endorsement

Physics (SCI4000)
Grades: 10-12 Credit: 1 GPA Weight: Regular
Prerequisite: Biology
Algebra II (or concurrent enrollment),

In Physics, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.

AP Physics 1 (SCI5430P)
Grades: 10-12 Credit: 1 GPA Weight: Advanced
Prerequisite: Biology (PAP Biology recommended)
Algebra II or concurrent enrollment (PAP Algebra II recommended)
Recommended Prerequisite: Precalculus or concurrent enrollment (PAP Precalculus recommended)
AP Exam required for possible college credit
Recommended for Gifted & Talented students

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.
AP Physics 2 (SCI5530P)
Grades: 10-12  
Credit: 1  
GPA Weight: Advanced  
Prerequisite: AP Physics 1  
AP Exam required for possible college credit  
Recommended for Gifted & Talented students

AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

AP Physics C: Electricity and Magnetism (SCI5630P)
Grades: 11-12  
Credit: 1  
GPA Weight: Advanced  
Prerequisite: Physics (AP Physics I recommended)  
Calculus (or concurrent enrollment)  
AP Exam required for possible college credit  
Recommended for Gifted & Talented students

The Physics C: Electricity and Magnetism course is a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course.

AP Physics C: Mechanics (SCI5730P)
Grades: 11-12  
Credit: 1  
GPA Weight: Advanced  
Prerequisite: Physics (AP Physics I recommended)  
Calculus (or concurrent enrollment)  
AP Exam required for possible college credit  
Recommended for Gifted & Talented students

The Physics C: Mechanics course is equivalent to a one-semester, calculus-based, college-level physics course. It is especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course.
SCIENCE ELECTIVES

Anatomy & Physiology (SCI4240) CTE Course
Grades: 11-12 Credit: 1 GPA Weight: Regular
Prerequisites: Biology, Chemistry

In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. The student conducts investigations, for at least 40% of instructional time, using safe, environmentally appropriate, and ethical practices. These investigations must involve actively obtaining and analyzing data with physical equipment, but may also involve experimentation in a simulated environment as well as field observations that extend beyond the classroom.

Dual Credit Anatomy and Physiology (SCI4240D)
Human Anatomy & Physiology I (BIOL 2401)
Grades: 11-12 Credit: 1, College Hours: 4 GPA Weight: Advanced
Prerequisites: Biology (PAP Biology recommended) Chemistry (PAP Chemistry recommended)
Location: High School Campus

A study of the structure and function of the human body. Emphasis will be given to the study of cells and tissues and anatomical and physiological interrelationships of the integumentary, skeletal, muscular, and nervous systems. Designed primarily for students entering health careers.

Forensic Science (SCI6600) CTE Course
Grades: 11-12 Credit: 1 GPA Weight: Regular
Prerequisites: Biology, Chemistry

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science.
Aquatic Science (SCI6100)
Grades: 11-12  Credit: 1  GPA Weight: Regular
Prerequisites: Biology

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

Aquatic Science STEM (SCI6110)
Grades: 11-12  Credit: 1  GPA Weight: Regular
Prerequisites: Biology, Chemistry

In Aquatic Science for students seeking a STEM endorsement, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. This course will require students to apply prior scientific knowledge and skills in Biology and Chemistry to develop understanding of aquatic systems. Students will conduct investigations and observations of aquatic environments both in the classroom and in the field, through collaborative work with peers, using critical-thinking and problem-solving skills.

Environmental Systems (SCI6500)
Grades: 11-12  Credit: 1  GPA Weight: Regular
Recommended Prerequisites: Biology, IPC or Chemistry

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

Environmental Systems STEM (SCI6510)
Grades: 11-12  Credit: 1  GPA Weight: Regular
Prerequisites: Biology, Chemistry (or concurrent enrollment)

In Environmental Systems for students seeking a STEM endorsement, students conduct laboratory and field investigations, use scientific reasoning during investigations, and make informed decisions using critical thinking and scientific problem solving. This course will require students to apply prior scientific knowledge and skills in Biology and
Chemistry to develop understanding of environmental systems. Students study a variety of topics that include; biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

**AP Environmental Science (SCI6530P)**
Grades: 11-12  
Credit: 1  GPA Weight: Advanced  
Prerequisites: Biology (PAP Biology recommended)  
Chemistry (PAP Chemistry recommended)  
Algebra I  
AP Exam required for possible college credit  
Recommended for Gifted & Talented students

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

**Earth and Space Science STEM (SCI6510)**
Grades: 11-12  
Credit: 1  GPA Weight: Regular  
Prerequisites: Biology, Chemistry, Physics (or concurrent Physics); Algebra II (or concurrent Algebra II)

In Earth and Space Science for students seeking a STEM endorsement, students conduct laboratory and field investigations, use scientific reasoning during investigations, and make informed decisions using critical thinking and scientific problem solving. This course will require students to apply prior scientific knowledge and skills in Biology, Chemistry, and Physics to develop understandings of Earth’s system in space and time, solid Earth, and fluid Earth. Using physical, mathematical and conceptual models, students investigate knowledge of systems, energy and relevance throughout each of the themes.
SOCIAL STUDIES

GEOGRAPHY COURSES

World Geography
Required for: FHSP, FHSP+Endorsement if not credited for World History

World Geography (HIS1000)
Grades: 9-10 Credit: 1 GPA Weight: Regular

In World Geography Studies, students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major landforms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of the world population; relationships among people, places, and environments; and the concept of region. Students analyze how location affects economic activities in different economic systems. Students identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions.

PAP World Geography (HIS1020Q)
Grades: 9-10 Credit: 1 GPA Weight: Advanced
Recommended for Gifted & Talented students

In addition to the basic course content, this advanced version of World Geography prepares students for the rigors of AP World History and the AP World History Exam through a physical and cultural approach to the geopolitical structures underlying world events. Students master landforms, borders, climate zones, and human elements such as cultural geography, economic and political regions, and the impact geography on human history.
World History Studies
Required for: FHSP, FHSP+Endorsement if not credited for World Geography

World History (HIS2000)
Grades: 10-11  Credit: 1  GPA Weight: Regular

World History Studies is a survey of the history of humankind. Due to the expanse of world history and the time limitations of the school year, the scope of this course should focus on "essential" concepts and skills that can be applied to various eras, events, and people within the standards in subsection (c) of this section. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students evaluate the causes and effects of political and economic imperialism and of major political revolutions since the 17th century. Students examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students analyze the process by which constitutional governments evolved as well as the ideas from historic documents that influenced that process. Students trace the historical development of important legal and political concepts. Students examine the history and impact of major religious and philosophical traditions. Students analyze the connections between major developments in science and technology and the growth of industrial economies, and they use the process of historical inquiry to research, interpret, and use multiple sources of evidence.

AP World History (HIS2030P)
Grades: 10-11  Credit: 1  GPA Weight: Advanced
Recommended Prerequisite: PAP World Geography
AP Exam required for possible college credit
Recommended for Gifted & Talented students

AP World History focuses on developing students’ abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as they learn about the past. Five themes of equal importance — focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions.
**AP European History (HIS2130P)**

Grades: 11-12  
Credit: 1  
GPA Weight: Advanced

Course does NOT substitute for World History

Recommended Prerequisite: PAP World Geography or other PAP/AP course

AP Exam required for possible college credit

Recommended for Gifted & Talented students

AP World History focuses on developing students’ abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as they learn about the past. Five themes of equal importance — focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions.

**United States History**

Required for: FHSP, FHSP+Endorsement

**United States History Since 1877 (HIS3000)**

Grade: 11  
Credit: 1  
GPA Weight: Regular

In United States History Studies Since 1877, which is the second part of a two-year study that begins in Grade 8, students study the history of the United States from 1877 to the present. The course content is based on the founding documents of the U.S. government, which provide a framework for its heritage. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of geographic factors on major events and eras and analyze their causes and effects. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and popular culture and the times during which they were created. Students analyze the impact of technological innovations on American life. Students use critical-thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context.
AP United States History (HIS3130P)
Grade: 11 Credit: 1 GPA Weight: Advanced
Recommended Prerequisite: AP World History or other PAP/AP course
AP Exam required for possible college credit
Recommended for Gifted & Talented students

AP United States History focuses on developing students’ abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance — identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places.

Dual Credit United States History (HIS3140D)
HIST 1301 – United States History to 1877
HIST 1302 – United States History since 1877
Grade: 11-12 Credit: 1; College Hours: 6 GPA Weight: Advanced
Recommended Prerequisite: PAP World Geography or AP World History
Enrollment in Lone Star College – Tomball
Location: High School Campus

During the first semester, this course is a survey of U.S. history from Pre-Contact Societies through Reconstruction. Themes to be developed include westward expansion and globalization, slavery, Native Americans, and religious and social changes. During the second semester, students master U.S. history from 1877 to the present. Topics include western expansion, industrialization, immigration, imperialism, economic, political and social developments, the wars of the 20th century and the changing status and conditions of women and minorities. Another purpose of this course is to introduce students to the skills and practices of history.
Government and Economics
United States Government
Required for: FHSP, FHSP+ Endorsement

United States Government (HIS4005)
Grade: 12 Credit: 0.5 GPA Weight: Regular
Prerequisite: US History

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.

AP United States Government & Politics (HIS4035P)
Grade: 12 Credit: 0.5 GPA Weight: Advanced
Prerequisite: US History (AP US History recommended), Recommended Prerequisite: AP World History
AP Exam required for possible college credit
Recommended for Gifted & Talented students

AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments.
**Dual Credit United States Government (HIS4145D)**

GOVT 2305 – Federal Government  
Grade: 12  Credit: 0.5; College Hours: 3  GPA Weight: Advanced  
Recommended Prerequisite: AP World History  
Prerequisite: United States History (DC US History)  
Enrollment in Lone Star College – Tomball  
Location: High School Campus

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

**Economics and Financial Literacy**

Economics required for: FHSP, FHSP+ Endorsement

**Economics: Free Enterprise System and Its Benefits (HIS4006)**

Grade: 12  Credit: 0.5  GPA Weight: Regular  
Prerequisite: US History

Economics with Emphasis on the Free Enterprise System and Its Benefits is the culmination of the economic content and concepts studied from Kindergarten through required secondary courses. The focus is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The course also incorporates instruction in personal financial literacy.
**AP Macroeconomics (HIS4036P)**

Grade: 12  
Credit: 0.5  
GPA Weight: Advanced  
Recommended Prerequisite: AP World History  
Prerequisite: US History (AP or DC US History recommended)  
AP Exam required for possible college credit  
Recommended for Gifted & Talented students

AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students’ familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

**Personal Financial Literacy (HIS4106)**

Grades: 10-12  
Credit: 0.5  
GPA Weight: Regular  
This course does NOT satisfy the 0.5 Economics credit requirement for graduation

Personal Financial Literacy is designed to teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training. There are many references to conducting a cost-benefit analysis for spending and investing decisions. Students evaluate the necessity of the purchase, the quality or value of the purchase or investment compared to other alternatives, and the total cost of acquisition, particularly in the context of financing options. Students also understand the power of both compound growth on investments and compound interest on debt and how these concepts affect the ability to build wealth over time.
SOCIAL SCIENCES

**Sociology**
Elective credit for FHSP, FHSP+Endorsement

**Sociology (PSY1006)**
Grades: 11-12  Credit: 0.5  GPA Weight: Regular

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.

**Psychology**
Elective for FHSP, FHSP+Endorsement

**Psychology (PSY1005)**
Grades: 11-12  Credit: 0.5  GPA Weight: Regular

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.

**AP Psychology (PSY1135P)**
Grades: 11-12  Credit: 0.5  GPA Weight: Advanced
AP Exam required for possible college credit
Recommended for Gifted & Talented students

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.
SPECIAL TOPICS

Through Special Topics in Social Studies, students are provided the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives.

World Religions
Elective for: FHSP, FHSP+Endorsement

World Religions (HIS5006 / HIS5008)
Grades: 11-12 Credit: 0.5 GPA Weight: Regular

This course will provide students the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural and social forces that have shaped their lives and the world through religion. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives of religion. The content will focus, but not limited to, the six primary world religions. These are Christianity, Judaism, Islam, Buddhism, Hinduism and Sikhism.

Current Events
Elective for: FHSP, FHSP+Endorsement

Current Events (HIS5005 / HIS5007)
Grades: 11-12 Credit: 0.5 GPA Weight: Regular

This course will provide students the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural and social forces that have shaped their lives and the world through current issues and events. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives of current events. The content will focus, but not limited to, the primary issues and events locally, nationally and internationally.
LANGUAGES OTHER THAN ENGLISH (Foreign Language)

Required for FHSP, FHSP+Endorsement(s)

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

Students of languages other than English gain the knowledge to understand cultural practices (what people do) and products (what people create) and to increase their understanding of other cultures as well as to interact with members of those cultures. Through the learning of languages other than English, students obtain the tools and develop the context needed to connect with other subject areas and to use the language to acquire information and reinforce other areas of study. Students of languages other than English develop an understanding of the nature of language, including grammar, and culture and use this knowledge to compare languages and cultures and to expand insight into their own language and culture. Students enhance their personal and public lives and meet the career demands of the 21st century by using languages other than English to participate in communities in Texas, in other states, and around the world.

Note on Upper Level Advanced Placement (AP) Courses in World Languages and Cultures

The AP World Languages and Cultures program features courses and exams. In today's global community, competence in more than one language is an essential part of communication and cultural understanding. Study of another language not only provides individuals with the ability to express thoughts and ideas for their own purposes, but also provides them with access to perspectives and knowledge that is only available through the language and culture. The proficiencies acquired through the study of languages and literatures endow language learners with cognitive, analytical, and communication skills that carry over into many other areas of their academic studies. The three modes of communication (Interpersonal, Interpretive, and Presentational), defined in the Standards for Foreign Language Learning in the 21st Century and described in more detail in the ACTFL Performance Descriptors for Language Learners, are foundational to the AP World Languages and Cultures courses.

Students who complete an AP World Languages course are required to take the corresponding AP Exam for possible college credit and/or placement.
FRENCH

French I (FRN1000)

Grades 9-12  Credit: 1  GPA Weight: Regular

This course develops the necessary skills to listen, speak, read, and write about situations relevant to everyday life. Grammar includes present and past tenses of regular and irregular verbs, commands, and basic prepositions. This course also includes basic vocabulary, expressions, and idioms. French I emphasizes oral and written proficiency. Students will acquire cultural awareness. Students should expect homework as well as outside projects. A dictionary is recommended.

French II (FRN2000)

Grades 10-12  Credit: 1  GPA Weight: Regular
Prerequisite: French I

This course provides opportunities for students to use the French Language at an intermediate level. Intermediate grammar includes the completion of simple past tense, the introduction of imperfect and future tenses, agreement of adjectives, more complex idioms, direct and indirect object pronouns, reflexive verbs, as well as extending the study of vocabulary. Students will continue their cultural study. Students will have an introduction to French literature. Students should expect homework. We will continue to work on both oral and written proficiency. A dictionary is recommended.

French II PAP (FRN2020Q)

Grades 10-12  Credit: 1  GPA Weight: Advanced
Prerequisites: French I
Recommended for Gifted & Talented students

This course provides enhanced opportunities to study the areas of French grammar, vocabulary, and literature. Grammar will include the areas of past tense (passé compose, imparfait) and future tenses, an advanced adjective study, direct and indirect object pronouns. Advanced speaking, reading, writing skills will be explored. Students should expect homework as well as outside projects. A dictionary is required.
French III PAP (FRN3020Q)
Grades 10-12  Credit: 1  GPA Weight: Advanced
Prerequisites: French II (PAP French II recommended)
Recommended for Gifted & Talented students

Advanced grammar at this level includes study of present and past conditional, pluperfect, and future perfect. Other areas of advanced grammar include: conditional sentences, relative pronouns, advanced idioms, advanced use of prepositions and constructions after prepositions. Advanced writing, reading, speaking, and comprehension skills are emphasized. Literature and situational readings from many sources will be provided. Students will work with sample placement tests. Advanced oral and written proficiencies are targeted. Homework and outside projects should be expected. A dictionary is recommended.

French IV [AP French Language and Culture] (FRN4030P)
Grades 11-12  Credit: 1  GPA Weight: Advanced
Prerequisites: French III (PAP recommended)
AP exam required for possible college credit
Recommended for Gifted & Talented students

The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP French Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students’ awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).
GERMAN

**German I (GRM1000)**
Grades 9-12  
Credit: 1  
GPA Weight: Regular

This course develops the necessary skills to listen, speak, read, and write about situations relevant to everyday life. Grammar includes present tense of regular and irregular verbs, case, commands and accusative prepositions. This course also includes basic vocabulary, daily expressions, and idioms. German I emphasizes oral and written proficiency. Cultural study is emphasized with each unit studied.

**German II (GRM2000)**
Grades 10-12  
Credit: 1  
GPA Weight: Regular

Prerequisite: German I

This course provides opportunities for students to use the German Language at a more complex level. Advanced grammar presentations include the introduction of the perfect and future tenses, agreement of adjectives, more complex use of idioms, accusative and dative case, reflexive verbs as well as continuing the study of vocabulary. Cultural study continues and is integrated into each unit. Students continue to work on both oral and written proficiency.

**German II PAP (GRM2020Q)**
Grades 10-12  
Credit: 1  
GPA Weight: Advanced

Prerequisites: German I  
Recommended for Gifted & Talented students

In the second year students continue with the sequel text, Deutsch Aktuell 2. Emphasis continues to be placed on conversation and comprehension, as students master sentence structure and expand the vocabulary encountered in a teenager’s life. Use of videos and films continues as students learn the German language and culture. This course provides students with multiple opportunities to improve their basic communicative level, to further their insights into cultures other than their own, to improve their understanding of their own language and culture, to access knowledge from other disciplines using the target language, and to participate in the global community in meaningful ways. Assignments range from posters, skits, poetry dramatization, journal writing, and booklets, to research papers. In addition to the content listed above, German II PAP students will read short stories and authentic texts, either print or internet-based, beyond those featured in the textbook. They will also begin preliminary work designed to prepare them for the AP German test, which they are expected to take in German IV AP.
German III PAP (GRM3020Q)

Grades 11-12  Credit: 1  GPA Weight: Advanced
Prerequisites: German II (PAP German II recommended)
Recommended for Gifted & Talented students

Advanced grammar at this level includes study of the imperfect tense, the study of present and past conditional imperfect tenses, genitive case, reflexive pronouns, and passive voice. Refinements in composition skills will also be stressed. Advanced reading, speaking, and comprehension skills are emphasized. Literature and situational readings from many sources will be provided. Oral and written proficiency continue to be emphasized.

German IV [AP German Language and Culture] (GRM4030P)

Grades 11-12  Credit: 1  GPA Weight: Advanced
Prerequisites: German III PAP
AP exam required for possible college credit
Recommended for Gifted & Talented students

The AP German Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP German Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in German. The AP German Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students’ awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).
SPANISH

Spanish I (SPN1000)
Grades 9-12 Credit: 1 GPA Weight: Regular

This course begins with the basic phonetic pronunciation and grammatical rules in Spanish. Students will learn common vocabulary words including numbers, days, months, colors, and terms associated with family, home, food, clothing, weather, sports, and time. The students will learn proper verb conjugation utilizing the present tense. They will be introduced to other tenses through conversational activities. Students will be required to work on vocabulary acquisition outside the classroom. This course provides opportunities for students to listen and read with understanding, speak with correct pronunciation, write in Spanish, and understand how languages are interrelated.

Oral proficiency is a major goal. Students will experience the culture of Spanish speaking countries. Mandatory materials required in class daily are textbook, workbook and binder. *Students must promptly replace through purchase any missing textbook or workbook to ensure academic success.

Spanish II (SPN2000)
Grades 9-12 Credit: 1 GPA Weight: Regular
Prerequisites: Spanish I

This course is a continuation of Spanish I with emphasis of basic grammar and real-life situational vocabulary with correct pronunciation. Correct pronunciation and intonation will be an expectation of the course. Students will be required to speak in Spanish as a significant portion of their major grade and have knowledge of the present tense of ar, er, and ir verbs. Students must be able to read selections in Spanish for comprehension, write selected dialogues, and give oral reports. The Internet and current publications may be used to research culture and history for each country studied. Students will be expected to work on vocabulary acquisition outside the classroom. Mandatory materials required daily in class are textbook, workbook, and notebook. A Spanish dictionary is recommended.
Spanish II PAP (SPN2020Q)
Grades 9-12 Credit: 1 GPA Weight: Advanced
Prerequisites: Spanish I
Recommended for Gifted & Talented students

This course is a continuation of Spanish I with emphasis on basic grammar and real-life situation vocabulary with correct pronunciation. In addition, this course is designed to prepare students who will continue with Spanish III PAP, Spanish IV AP and who will be taking the Spanish AP test. This course is best suited for those students who have completed a two-year Spanish I program or students with very strong Spanish I skills. This course will be taught at a more rigorous pace than regular Spanish II and will be taught in Spanish the majority of the time. Students will be required to speak in Spanish as a significant portion of their major grade. Students must be able to read selections in Spanish for comprehension, write selected dialogues and give oral reports. The student will master new verb tenses, complex grammatical structures beyond what is taught in regular Spanish II and practice AP skills. Students will be expected to work on vocabulary acquisition outside of class. Mandatory materials required in class daily are textbook, workbook, and notebook. Students must promptly replace through purchase any missing textbook or workbook to ensure academic success. Participation in the Spanish Honor Society is strongly encouraged. A Spanish dictionary is recommended.

Spanish III (SPN3000)
Grades 9-12 Credit: 1 GPA Weight: Regular
Prerequisites: Spanish II

Course content will be taught at a more rigorous pace than previous levels. The student will master new verb tenses and complex grammatical structures. Students will read Spanish short stories, write short essays, and create oral presentations. Extensive use of Spanish is a requirement of this course. Vocabulary acquisition and additional assignments will be completed outside the classroom. The Internet and current publications will be used to research the culture and history of countries studied. A dictionary is required for this course.

The students are required to bring their textbook, workbook, dictionary and writing materials to class everyday. *Students must promptly replace, through purchase, any missing textbook or workbook to ensure academic success. Participation in the Spanish Honor Society is strongly encouraged.
Spanish III PAP (SPN3020Q)
Grades 9-12 Credit: 1 GPA Weight: Advanced
Prerequisites: Spanish II (PAP Spanish II recommended)
Recommended for Gifted & Talented students

This course is designed for students who will continue with Spanish IV AP or with course work at the college level. Course content will be taught at a more rigorous pace than previous levels. The student will master new verb tenses and complex grammatical structures. Students will read Spanish short stories, write short essays, and create oral presentations. Rigorous and extensive use of Spanish is a requirement of this course. Vocabulary acquisition and additional assignments will be completed outside the classroom. The Internet and current publications will be used to research the culture and history of countries studied. Participation in the Spanish Honor Society is strongly encouraged. A dictionary is required for this course. This course must be taken at the High School campus.

Spanish IV [AP Spanish Literature and Culture] (SPN4030P)
Grades 10-12 Credit: 1 GPA Weight: Advanced
Prerequisites: Spanish III (PAP Spanish III recommended)
AP exam required for possible college credit
Recommended for Gifted & Talented students

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), thereby honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism). A Spanish dictionary is required. Participation in the Spanish Honor Society in a capacity of leadership is strongly encouraged.
Spanish V [AP Spanish Language and Culture] (SPN5030P)
Grades 11-12 Credit: 1 GPA Weight: Advanced
Prerequisites: AP Spanish IV
AP exam required for possible college credit
Recommended for Gifted & Talented students

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students’ awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). A Spanish dictionary is required. Participation in the Spanish Honor Society in a capacity of leadership is strongly encouraged.

Spanish I and II for Native Speakers (SPN6000)
Grades 9-12 Credit: 2 GPA Weight: Regular

This course is designed for the native Spanish-speaking students who are conversant in their native language but need improvement in the grammatical and writing skills. Emphasis will be placed on reading, writing, and higher order thinking skills. Course work will be done at an accelerated pace, covering two years of regular Spanish work in one year and receiving two high school credits. Students are required to bring all their class materials to every class.

AP Spanish III and IV for Native Speakers (SPN6101Q / SPN6102P)
Grades 9-12 Credit: 2 GPA Weight: Advanced
AP exam required for possible college credit

This course is designed for the native Spanish-speaking students who have successfully completed Spanish I,II for Native Speakers or its equivalent. A continued emphasis will be placed on grammatical reading, writing, and higher order thinking skills. Course work will be done at an accelerated pace and include required supplementary readings and analytical compositions. A summer assignment will be given out before the end of the previous school year and will be completed before the beginning of the fall semester. A Spanish dictionary is required. Participation in the Spanish Honor Society in a capacity of leadership is strongly encouraged.
HEALTH, PHYSICAL EDUCATION, PE SUBSTITUTES, and ATHLETICS

HEALTH

*Required for MHSP, RHSP, DAP, FHSP, FHSP+Endorsement*

**Health Education (HLT0007)**
Grades: 9-12  
Credit: 0.5 units  
GPA Weight: Regular

This course is designed to help students learn about themselves, their peers, social problems and family life. The following topics are included in the study of health: community health, growth and development, health and fitness for daily living, use and abuse of tobacco, alcohol and drugs, CPR instruction, and sex education for family living. Class expectations: Textbook, access to newspapers or internet for current events.

GENERAL PHYSICAL EDUCATION

*FHSP+Endorsement*

**Physical Education I/II (PED1000)**
Grades: 9-12  
Credit: 1 unit  
GPA Weight: Regular

Students in general education are exposed to a variety of activities that promote health-related fitness. Some individual and team sports are introduced and rules and strategy are also identified.

**Individual/Team Sports (PED2005/2006)**
Grades: 9-12  
Credit: 0.5-1 unit  
GPA Weight: Regular

This course allows students to participate in a wide range of individual sports that can be pursued for a lifetime, such as tennis, badminton, and weight training. The student will be expected to demonstrate officiating techniques and learn to accept the roles and decisions of officials. The student will be responsible for the understanding and application of all safety practices associated with individual sports.
Off Campus Physical Education
(Year 1-PED9007/8, Year 2-PED9207/8, Year 3-PED9307/8, Year 4-PED9407/8)

Grades: 9-12  Credit: 0.5-4 Credits  GPA Weight: Regular
Prerequisites: District approved application for student and off campus provider

Category 1 leads to Olympic level participation and/or competition and the student must be enrolled in a private or commercially sponsored activity that includes at least 15 hours per week of highly intense, professionally supervised training. Students may be dismissed from school for one period. Category 2 requires that the student be enrolled in a private or commercially sponsored activity that includes at least 5 hours per week and the student may not be dismissed from school for any part of the school day. Forms are available from the student’s counselor and must be submitted by the deadlines: June 15 for the fall semester or year and by December 15 for the spring semester only.

CHEERLEADING

Cheerleading I (ATC2000)
Grades: 9-12  Credit: 1 PE unit  GPA Weight: Regular
Prerequisites: Tryout, physical exam
Course Fee: see sponsor

This class is designed to give cheerleaders time to plan, organize and promote school spirit. During class, the cheerleaders also are involved in fitness training, gymnastics training and preparation for performances and competitive events. Estimated costs of uniforms and related student expenses are available at the time of try outs. A physical is required prior to participation.

Cheerleading II-IV (ATC2100, 2105/6, 2107/8)
Grades: 9-12  Credit: 1 local  GPA Weight: Regular
Prerequisites: Tryout, physical exam
Course Fee: see sponsor

This class is designed to give cheerleaders time to plan, organize and promote school spirit. During class, the cheerleaders also are involved in fitness training, gymnastics training and preparation for performances and competitive events. Estimated costs of uniforms and related student expenses are available at the time of try outs. A physical is required prior to participation.
ATHLETICS

See the Physical Education section of the Graduation Plans at the front of the Course Selection Guide for equivalent and credit information. The TISD Athletic Department charges each athlete, 7th – 12th grades, an Activity Fee of $20.00. The activity fee is collected at the beginning of each school year and is used to defray the cost of transportation to contest and security. This activity fee is non-refundable after the tenth class meeting, and report cards will be held until it is paid. Athletes must also pass a physical each year and have an official UIL medical form on file to be eligible to participate. Physicals are performed on campus each year for approximately $25, or you can take the official form to your physician for completion.

Basketball I-IV
Grades: 9-12
Credit: 1 per year
GPA Weight: Regular
Prerequisites: Tryout, physical exam, instructor approval
Course Fee: see sponsor
(PE Substitution Available)

This course is an opportunity for students to display their abilities, team play, and sportsmanship in an organized sport while fulfilling the physical education requirement. During the off season, emphasis is placed on basketball fundamentals, terminology, and strengthening of the body by weight lifting, jumping drills and cross country running. During basketball season, the athletic period is spent in preparation for the upcoming opponents through team workouts. This class is for participation in UIL contests, and requires after school practice. A physical is required prior to participation.

Baseball I-IV
Grades: 9-12
Credit: 0.5-1 unit
GPA Weight: Regular
Prerequisites: Tryout, Physical exam
Course Fee: see sponsor
(PE Substitution Available)

This course is geared to the conditioning and preparation of the individual athlete to compete in an extracurricular baseball program. Before the season starts, this period will be used as an off-season training class. This involves weight lifting, conditioning exercises and individual skills pertaining to baseball. During the season this time will be used for meetings and preparation for work. A physical is required prior to participation.
**Cross Country I-IV**
Grades: 9-12  
Credit: 0.5-1 unit  
GPA Weight: Regular  
Prerequisites: Tryout, Physical exam  
Course Fee: see sponsor  
(PE Substitution Available)

This course is designed to fulfill physical education requirements for students participating in cross country in the fall semester. This period will be used to perform the running of cross country workouts and conditioning programs. This program is designed to allow participation in UIL Cross Country Meets through the fall semester. A physical is required prior to participation.

**Football I-IV**
Grades: 9-12  
Credit: 0.5-1 unit  
GPA Weight: Regular  
Prerequisites: Tryout, Physical exam  
Course Fee: see sponsor  
(PE Substitution Available)

This course is a UIL sport and will require after school practice throughout the school year. Football is designed to fulfill the regular physical education requirements for those students involved in football. During the football season, the period will be used for team meetings, practice preparation, medical treatment, and specialty practice. After the season, this period will be used as an off-season training class involving weight lifting, individual football skills and conditioning exercises. After school practice and game participation is required. Practices will also include some Saturdays, and days prior to the start of the regular school year. A physical is required prior to participation.

**Golf I-IV**
Grades: 9-12  
Credit: 0.5-1 unit  
GPA Weight: Regular  
Prerequisites: Tryout, Physical exam  
Course Fee: see sponsor  
(PE Substitution Available)

This is a UIL sport that will require practice after school only. See Golf Coach for further information. A physical is required prior to participation.
Soccer I-IV
Grades: 9-12  
Credit: 0.5-1 unit  
GPA Weight: Regular
Prerequisites: Tryout, Physical exam
Course Fee: see sponsor

This course is a UIL sport and will require after school practice throughout the soccer season. Soccer is designed for students who are serious about improving their soccer skills. The class focuses on the basic principles, rules, and styles of play. The class time is divided into three components: individual skill work, team play, and conditioning. A physical is required prior to participation.

Softball I-IV
Grades: 9-12  
Credit: 0.5-1 unit  
GPA Weight: Regular
Prerequisites: Tryout, Physical exam
Course Fee: see sponsor

This course is a UIL sport and will require after school practice during the Spring semester. In the Fall semester, the period will be used as an off-season training class. This involves weight lifting, conditioning, exercises, and individual skills pertaining to softball. A skills test will be given at the end of the 2nd six weeks to determine a student’s placement for the Spring semester. During the Spring semester, this period of time will be used for team meetings, preparation for practice, medical treatment and extra individual work. Participation in the athletic class does not secure a position on the team. This activity is designed for UIL contests. A physical is required prior to participation.

Swimming I-IV
Grades: 9-12  
Credit: 0.5-1 unit  
GPA Weight: Regular
Prerequisites: Tryout, Physical exam
Course Fee: see sponsor

This course is open to students interested in competitive swimming. It is a UIL sport and will require practice outside the school day throughout the year. Experience with competitive swimming is recommended but not required. Practices will be held at the Tomball Aquatic Center. A physical is required prior to participation.
Tennis I-IV
Grades: 9-12 Credit: 0.5-1 unit GPA Weight: Regular
Prerequisites: Tryout, Physical exam
Course Fee: see sponsor
(PE Substitution Available)

This course is required for all members of the tennis team and is a UIL sport and will require practice outside the school day throughout the year. The Fall semester consists of team tennis, where there are Varsity and Junior Varsity teams. The Spring semester consists of individual tournaments for Varsity, JV, and Freshmen. A physical is required prior to participation.

Track I-IV
Grades: 9-12 Credit: 0.5-1 unit GPA Weight: Regular
Prerequisites: Tryout, Physical exam
Course Fee: see sponsor
(PE Substitution Available)

Track practice will be completed after school hours and students will participate in after-school-hours UIL track meets. See Track Coach for further information. A physical is required prior to participation.

Volleyball I-IV
Grades: 9-12 Credit: 0.5-1 unit GPA Weight: Regular
Prerequisites: Tryout, Physical exam
Course Fee: see sponsor
(PE Substitution Available)

This course is a UIL sport and will require after school practice in the fall semester during the competition season. The Spring semester is geared to the conditioning and preparation of the individual athlete to compete in an extracurricular volleyball program. Fundamental skills, terminology, team strategy and game preparation are stressed. A physical is required prior to participation.
Trainer I-IV
Grades: 9-12  Credit: 0.5-1 unit  GPA Weight: Regular
Prerequisites: Application, Physical exam
Course Fee: see sponsor

This is a specialized athletics class related to the health care and safety of athletes during class, practice, and games.
FINE ARTS

One credit required for FHSP, FHSP+Endorsement(s)

The fine arts incorporate the study of dance, music, theatre, and the visual arts to offer unique experiences and empower students to explore realities, relationships, and ideas. These disciplines engage and motivate all students through active learning, critical thinking, and innovative problem solving. The fine arts develop cognitive functioning and increase student academic achievement, higher-order thinking, communication, and collaboration skills, making the fine arts applicable to college readiness, career opportunities, workplace environments, social skills, and everyday life. Students develop aesthetic and cultural awareness through exploration, leading to creative expression. Creativity, encouraged through the study of the fine arts, is essential to nurture and develop the whole child.

ART

Four basic strands—foundations: observation and perception; creative expression; historical and cultural relevance; and critical evaluation and response—provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Each strand is of equal value and may be presented in any order throughout the year. Students rely on personal observations and perceptions, which are developed through increasing visual literacy and sensitivity to surroundings, communities, memories, imaginings, and life experiences as sources for thinking about, planning, and creating original artworks. Students communicate their thoughts and ideas with innovation and creativity. Through art, students challenge their imaginations, foster critical thinking, collaborate with others, and build reflective skills. While exercising meaningful problem-solving skills, students develop the lifelong ability to make informed judgments.

General Sequence

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<tr>
<th>Art Sequence</th>
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<td>Art I</td>
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<td>Art III PAP: 3-D (Sculpture)</td>
<td>Art Sculpture AP 3-D Design</td>
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<tr>
<td>Drawing &amp; Design</td>
<td>Art I</td>
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<td>Art III PAP: 2-D (Drawing and Design)</td>
<td>Art AP Drawing</td>
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</table>
Art I (ART1000)

Grade Placement: 9-12   Credit: 1 unit   GPA Weight: Regular
Course Fee: Yes

This introductory course offers the beginning art student a general survey of studio art. A variety of media and techniques will be explored throughout the year including drawing, printing, painting, sculpture, ceramics, and design. It also includes art history, the cultural influences of art, and career opportunities in art.

Art II – Drawing (ART2000)

Grade Placement: 10-12   Credit: 1 unit   GPA Weight: Regular
Prerequisite: Art I
Course Fee: Yes

In this developmental level course, proficient students enhance and refine their natural abilities through exploration of various art processes, procedures, theories, and historical movements. Activities allow student participants to acquire knowledge, improve skills, and experiment with concepts as they relate to the elements and principles of art in preparation for the Advanced Placement Art program.

Art II – Sculpture (ART2100)

Grade Placement: 10-12   Credit: 1 unit   GPA Weight: Regular
Prerequisite: Art I
Course Fee: Yes

In this developmental level course, students explore various art processes, procedures, theories, and historical movements as they apply to form. Participants acquire knowledge, improve skills, and experiment with concepts as they relate to the elements and principles of art in a three-dimensional application. Both additive and subtractive methods of sculpting are used in the construction of original artwork. The course is designed to prepare students for the Advanced Placement Art program. Materials may include wire, clay, stone, wood, glass, paper, and found objects.
Art III Drawing PAP (ART3020Q)
Grade Placement: 11-12  Credit: 1 unit  GPA Weight: Advanced
Prerequisites: Art II or Teacher Approval with portfolio review
Course Fee: Yes
Recommended for Gifted & Talented students

This accelerated course focuses on developing technique in a variety of areas including drawing, painting, collage and mixed media. Emphasis will be on developing compositional skills using the art elements (line, shape, color, value, texture, space) to enhance the principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, figure/ground relationships). Expression of the student’s individual creativity will be encouraged. Student will demonstrate his/her accomplishments through a portfolio or work.

Art III Sculpture PAP (ART3120Q)
Grade Placement: 11-12  Credit: 1 unit  GPA Weight: Advanced
Prerequisite: Art II or Teacher Approval with portfolio review
Course Fee: Non-refundable $25 per semester

This course is an advanced art class designed for the student interested in studying in-depth three-dimensional form. Advanced additive and subtractive methods will be explored as students continue to strengthen design skills and emphasis on form. All projects are designed to strengthen and develop the student’s portfolio and may be used as a significant portion of the AP portfolio produced in the AP 3D Design course.

Art IV - AP Studio Art: Drawing (ART4030P)
Grade Placement: 11-12  Credit: 1 unit  GPA Weight: Advanced
Prerequisites: PAP Art III, and/or Teacher Approval with Portfolio review
AP Exam required for possible College Credit
Course Fee: Non-refundable $15 per semester

The course is designed to address a very broad interpretation of drawing issues and media, such as line, form, composition, surface manipulation and illusion of depth. Drawing issues will be addressed through a variety of media, which include painting, illustration, printmaking and mixed media. The course guidelines are based on the College Board AP portfolio requirements and work should show evidence of conceptual, perceptual, expressive, and technical range in drawing. Submission of a portfolio in May is mandatory to receive AP credit.
Art IV - AP Studio Art: 3-D Design [Sculpture] (ART4130P)
Grade Placement: 11-12  Credit: 1 unit  GPA Weight: Advanced
Prerequisites: PAP Art III, and/or Teacher Approval with Portfolio review
AP Exam required for possible College Credit
Course Fee: Non-refundable $25 per semester

This course is designed to offer students an opportunity to produce a portfolio that demonstrates proficiency in 3D Design using skills learned from previous sculpture courses while developing their own style. All projects and works of art are designed to strengthen and develop the students’ portfolio. The course guidelines are based on the Advanced Placement portfolio requirements.

Art IV - AP Studio Art: 2-D Design (ART4230P)
Grade Placement: 11-12  Credit: 1 unit  GPA Weight: Advanced
Prerequisites: PAP Art III, and/or Teacher Approval with Portfolio review
AP Exam required for possible College Credit
Course Fee: Non-refundable $15 per semester

This course will address a broad interpretation of two-dimensional (2D) design. Design involves conceptual application and integration of the elements and principles of art. Two-dimensional media including, but not limited to, drawing, illustration, painting, graphic design, photography, collage, and printmaking will be explored. The course guidelines are based on the College Board AP portfolio requirements and work should show evidence of conceptual, perceptual, expressive, and technical range in design. Submission of a portfolio in May is mandatory to receive AP credit. The nonrefundable materials fee is $15 per semester.
MUSIC

Four basic strands—foundations: music literacy; creative expression; historical and cultural relevance; and critical evaluation and response—provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. The foundation of music literacy is fostered through reading, writing, reproducing, and creating music, thus developing a student's intellect. Through creative expression, students apply their music literacy and the critical-thinking skills of music to sing, play, read, write, and/or move. By experiencing musical periods and styles, students will understand the relevance of music to history, culture, and the world, including the relationship of music to other academic disciplines and the vocational possibilities offered. Through critical listening, students analyze, evaluate, and respond to music, developing criteria for making critical judgments and informed choices.

BAND

Band is a performance activity-based course and requires after-school practice/performance throughout the school year. First semester activities include summer band in August, UIL activities, marching contests, football shows, region band, and school concerts. Second semester activities include UIL activities, school concerts, solo and ensemble concert contests, Spring trip, graduation ceremonies, and a marching training session for the next year.

Band Course Fees:
Uniform fees include a fee of approximately $60 for uniform cleaning and $20 for two band t-shirts (one is the annual theme shirt), which become the property of the student. All students need approved shoes and accessories at a cost of approximately $60 for two pair. All new members will be required to purchase a uniform bag at a cost of approximately $20. Students entering Region Band, and Solo and Ensemble events need to pay the specified entry fee. See individual course descriptions for additional information on fees.

Band I-IV
Grades: 9-12       Credit: 1 per year       GPA Weight: Regular
Prerequisites: Previous Band Enrollment or Director Approval
(PE Substitution Available)

This course provides fundamental musical instruction while developing performance skills, music theory, proper technique, and reinforcing basic competencies. Emphasis is placed on developing leadership and responsibility, cooperation, self-discipline, diligence, and cultural awareness.
**Concert Band I-IV**
Grades: 9-12  
Credit: 1 per year  
GPA Weight: Regular  
Prerequisites: Previous Band Enrollment or Director Approval  
(PE Substitution Available)

This course provides instruction in mental and physical discipline, citizenship through group endeavor, physical conditioning, cultural growth, ability to make music value judgment through critical listening, music theory, proper technique, and creative self-expression. Students develop performance skills and become acquainted with band literature. Emphasis is placed on developing leadership and responsibility, cooperation, self-discipline, diligence, and cultural awareness.

**Symphonic Winds I-IV**
Grades: 9-12  
Credit: 1 per year  
GPA Weight: Regular  
Prerequisites: Previous Band Enrollment or Director Approval  
(PE Substitution Available)

This course is a continuation of Concert Band I, providing instruction in mental and physical discipline, citizenship through group endeavor, physical conditioning, cultural growth, ability to make music value judgment through critical listening, music theory, proper technique, and creative self-expression. Students develop performance skills and become acquainted with band literature. Emphasis is placed on developing leadership and responsibility, cooperation, self-discipline, diligence, and cultural awareness.

**Varsity Wind Ensemble I-IV**
Grades: 9-12  
Credit: 1 per year  
GPA Weight: Regular  
Prerequisites: Previous Band Enrollment or Director Approval  
(PE Substitution Available)

This course is a continuation of the first two years of band and emphasis is placed on developing leadership and responsibility, cooperation, self-discipline, diligence, and cultural awareness. Students in the top performance organization will be expected to attend All-Region Band tryouts and Solo/Ensemble contest.
Dance Color Guard I-IV
Grades: 9-12       Credit: 1 per year       GPA Weight: Regular
Prerequisites: Previous Band Enrollment or Director Approval
(PE Substitution Available)
Course Fees: See below

This course is an extracurricular activity designed for students interested in expressive concepts to music. There are scheduled rehearsals and contests along with fees for uniforms and equipment (approximately $500). Included in the cost is a $50 equipment usage fee, costume, shoes, wind suit, gloves, uniform bag, t-shirt, and makeup supplies. Distance to competitions may dictate additional travel and hotel expenses. During fall performances schedule is concurrent with Band schedule. Spring schedule is separate from the band. Interested students must attend an audition where they will be trained to use various pieces of equipment. No experience is required. Contact the director of bands if interested.

Jazz Band I-IV
Grades: 9-12       Credit: 1 per year       GPA Weight: Regular
Prerequisites: Previous Band Enrollment or Director Approval

Jazz Band class will follow the music TEKS. It will offer an in-depth study of all styles of jazz music, jazz musicians, and improvisation.

ORCHESTRA

JV Orchestra I-IV
Grades: 9-12       Credit: 1 per year       GPA Weight: Regular
Prerequisites: Previous Orchestra Enrollment or Director Approval

This course is a continuation of the junior high orchestra curriculum as it provides fundamental musical instruction while developing performance skills, music theory, proper technique, and reinforcing basic competencies. Emphasis is placed on developing leadership and responsibility, cooperation, self-discipline, diligence, and cultural awareness.
Philharmonic Orchestra I-IV
Grades: 9-12    Credit: 1 per year    GPA Weight: Regular
Prerequisites: Previous Orchestra Enrollment or Director Approval

This course is a continuation of the orchestra curriculum at an intermediate level. Students are encouraged to participate in TMEA All-Region events and UIL Solo & Ensemble. Philharmonic orchestra members continue to develop performance skills, music theory, proper technique, and basic musical competencies. Emphasis is placed on respect for others, loyalty to the ensemble, pride in the organization, the ability to work cooperatively with others toward the performance of music in large and small ensembles.

Symphony Orchestra I-IV
Grades: 9-12    Credit: 1 per year    GPA Weight: Regular
Prerequisites: Previous Orchestra Enrollment or Director Approval

This course is a continuation of the orchestra curriculum at the most advanced level. Students are expected to participate in TMEA All-Region/All-State events and UIL Solo & Ensemble. Symphony orchestra members strive to develop a high degree of self-discipline, self-confidence, responsibility and dependability. Emphasis is placed on respect for others, loyalty to the ensemble, pride in the organization, the ability to work cooperatively with others toward the performance of music in large and small ensembles. Students perform at the highest level of artistry through individual musical awareness, control and technical facility.

AP Music Theory (MUS5030P)
Grades: 11-12    Credit: 1 per year    GPA Weight: Advanced
Recommended Prerequisites: At least 2 years previous successful high school music enrollment, or private instruction, or director approval
AP Exam required for possible college credit
Course Fee:    Non-refundable $25 for materials

This course assists the student in developing aural and visual understanding of musical structure and compositional procedures, fluency in reading notation, and listening skill. Students will learn to relate visual and aural understanding to musical elements and compositional procedures. Topics addressed include: harmonic analysis, part-writing, sight-singing, and ear-training.
CHORAL MUSIC

Concert Choir I-IV
Grades: 9-12   Credit: 1 per year   GPA Weight: Regular
Prerequisites: Previous Choir Enrollment or Director Approval
Course Fees: See below

This course provides instruction in perception, creative expression/performance, historical and cultural heritage, and critical evaluation. The choirs perform a minimum of two major concerts as well as various programs in the community. Extra-curricular performances include: district, region and state auditions, solo and ensemble contests, and UIL concert and sight-reading contests. Uniforms are provided for each student. There is a nonrefundable fee of $20 per year: $10 pays for a choir t-shirt and $10 pays for uniform cleaning at the end of the year. Concert Women’s and Concert Men’s Choir are concert choirs designed for the young or beginning choral student. The concert choirs are open to all students without audition.

Treble Choir I-IV
Grades: 9-12   Credit: 1 per year   GPA Weight: Regular
Prerequisites: Previous Choir Enrollment or Director Approval
Course Fees: See below

This course provides intermediate to advanced instruction. Heavy emphasis is placed on vocal technique and sight-reading skills. Expectations are high for the members through challenging literature and more required performances and competitions outside of the school day. Extra-curricular performances include: district, region, and state auditions, UIL solo competition, and UIL Concert and Sight-reading. Uniforms are provided for each student. There is a non-refundable fee of $20 per year: $10 pays for a choir shirt and $10 pays for uniform cleaning at the end of the year.

Chorale I-IV
Grades: 9-12   Credit: 1 per year   GPA Weight: Regular
Prerequisites: Previous Choir Enrollment or Director Approval
Course Fees: See below

This course provides advanced instruction. A solid foundation in vocal technique and sight-reading skills is necessary. High expectations are placed on the members through demanding literature and more required performances and competitions outside of the school day. Extra-curricular performances include: district, region, and state auditions, UIL solo competition, and UIL Concert and Sight-reading. Uniforms are provided for each student. There is a non-refundable fee of $20 per year: $10 pays for a choir shirt and $10 pays for uniform cleaning at the end of the year.
Vocal Ensemble I-IV

Grades: 9-12  Credit: 1 per year  GPA Weight: Regular
Prerequisites: Previous Choir Enrollment or Director Approval
Course Fees: See below

This course provides instruction in perception, creative expression/performance, historical and cultural heritage, and critical evaluation. The choirs perform a minimum of two major concerts as well as various programs in the community. Extra-curricular performances include: district, region and state auditions, solo and ensemble contests, and UIL concert and sight-reading contests. Uniforms are provided for each student. There is a nonrefundable fee of $20 per year: $10 pays for a choir t-shirt and $10 pays for uniform cleaning at the end of the year.
DANCE

Four basic strands—foundations: perception; creative expression; historical and cultural relevance; and critical evaluation and response—provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Dance students develop perceptual thinking and movement abilities in daily life, promoting an understanding of themselves and others. Students develop movement principles and technical skills and explore choreographic and performance qualities. Students develop self-discipline and healthy bodies that move expressively, efficiently, and safely through space and time with a sensitive kinesthetic awareness. Students recognize dance as a vehicle for understanding historical and cultural relevance, increasing an awareness of heritage and traditions of their own and others, and enabling them to participate in a diverse society. Evaluating and analyzing dance allows students to strengthen decision-making skills, develop critical and creative thinking, and develop artistic and creative processes. Students continue to explore technology and its application to dance and movement, enabling them to make informed decisions about dance.

Dance P.E. (DNC1000)
Grades: 9-12
Credit: 1
GPA Weight: Regular
(PE Substitution Available)

This class consists of the basics of dance, which include vocabulary, composition, analysis, history and technique. Styles taught include ballet, modern, jazz, improvisation and choreography. Students are expected to attend the Fine Arts Festival in the Spring. Students must wear black and/or white dance attire and have a notebook and video (for the Spring semester) that will be purchased by student. Students are graded on daily journals, aesthetic critiques, skills tests, vocabulary tests and participation as well as other required written work.

Dance II/P.E. (DNC2000)
Grades: 10-12
Credit: 1 per year
GPA Weight: Regular
Prerequisites: Dance I, or Director Approval
(PE Substitution Available)
Course Fees: See sponsor

This class consists of a more advanced level of dance skills learned in Dance I, and students will explore body movement in greater detail through ballet, jazz, modern, choreography and improvisation. Students will begin critiques as well as self-exploration through dance. Students are expected to attend the Fine Arts Festival in the Spring. Students must wear black and/or white dance attire and have a notebook and video (for the Spring semester) that will be purchased by student. Students are graded on daily journals, aesthetic critiques, skills tests, vocabulary tests and participation as well as other required written work.
Dance III and IV (DNC3000) and (DNC4000)
Grades: 11-12 Credit: 1 per year GPA Weight: Regular
Prerequisites: Dance I and II, or Director Approval
(PE Substitution Available)
Course Fees: See sponsor

This course is a hands-on dance technique opportunity where students will learn the breakdown of dance steps as well as teaching methods of dance. Students will be required to choreograph and teach as well as assist the teacher when needed. This course is by teacher approval for juniors and seniors who have completed Dance I and II. This course is intended for students who may be interested in pursuing a career in dance or the teaching of dance. Students are expected to attend the Fine Arts Festival in the Spring. Students must wear black and/or white dance attire and have a notebook and video (for the Spring semester) that will be purchased by student. Students are graded on daily journals, aesthetic critiques, skills tests, vocabulary tests and participation as well as other required written work. Contact dance teacher if interested.

Dance/Drill Team I-IV (DRL1000, DRL2000, DRL3000, DRL4000)
Grades: 9-12 Credit: 1 per year GPA Weight: Regular
Prerequisites: Competitive Audition
(PE Substitution Available)
Course Fees: See sponsor

This course is by audition only and will not only explore different dance techniques but has a primary purpose of performance throughout the year. Try-out opportunities are in the Spring. Membership requires extended fees and outside practices. Contact drill team director if interested.
THEATRE

Four basic strands - foundations: inquiry and understanding; creative expression; historical and cultural relevance; and critical evaluation and response--provide broad, unifying structures for organizing knowledge and skills students are expected to acquire. Through the foundations: inquiry and understanding strand, students develop a perception of self, human relationships, and the world using elements of drama and conventions of theatre. Through the creative expression strand, students communicate in a dramatic form, engage in artistic thinking, build positive self-concepts, relate interpersonally and integrate knowledge with other content areas in a relevant manner. Through the historical and cultural relevance strand, students increase their understanding of heritage and traditions in theatre and the diversity of world cultures as expressed in theatre. Through the critical evaluation and response strand, students engage in inquiry and dialogue, accept constructive criticism, revise personal views to promote creative and critical thinking, and develop the ability to appreciate and evaluate live theatre.

Theatre I (THA1000)
Grades: 9-12 Credit: 1 per year GPA Weight: Regular
Course Fees: Non-refundable $15 for supplies

This course includes instruction in the expressive use of the body and voice, classical acting concepts, and storytelling skills, improvisation, auditioning, stage movement, play writing, history, technical theatre skills, and appreciation. Students perform in front of an audience of peers and use technical talents in practical applications. Students are required to attend and evaluate the departmental productions during the year.

Theatre II (THA2000)
Grades: 10-12 Credit: 1 per year GPA Weight: Regular
Prerequisite: Theatre I
Course Fees: Non-refundable $15 for supplies

This course focuses on expanding knowledge in the areas introduced in Theatre I with emphasis on classical acting concepts and skills. Students are exposed to all aspects of production by preparing a class play from auditioning techniques through closing of a show. Students are required to attend and evaluate the departmental productions during the year.
**Theatre III (THA3000)**

Grades: 11-12    Credit: 1 per year    GPA Weight: Regular
Prerequisite: Theatre II
Course Fees: Non-refundable $15 for supplies

This course continues focusing on the essential elements of theatre begun in prior courses. Acting techniques are further explored through monologues, scenes, and script writing. Concepts of abstract ideas are visualized through writing and directing. Musical theatre, dance, radio, television, and film are also discussed. General principles of directing are introduced and then applied through student directed scenes. Students are required to attend and evaluate the departmental productions during the year.

**Theatre IV (THA4000)**

Grade: 12    Credit: 1 per year    GPA Weight: Regular
Prerequisite: Theatre III
Course Fees: Non-refundable $15 for supplies and production costs

This course provides opportunities for students to advance skills learned in previous courses and gain further practical experience in acting, directing, and production skills through development and performance of a class one-act play. Students are required to attend and evaluate the departmental productions during the year.
TECHNICAL THEATRE

Four basic strands—foundations: inquiry and understanding; creative expression; historical and cultural relevance; and critical evaluation and response—provide broad, unifying structures for organizing knowledge and skills students are expected to acquire. Through the foundations: inquiry and understanding strand, students develop a perception of self, human relationships, and the world using elements of drama and conventions of theatre. Through the creative expression strand, students communicate in a dramatic form, engage in artistic thinking, build positive self-concepts, relate interpersonally, and integrate knowledge with other content areas in a relevant manner. Through the historical and cultural relevance strand, students increase their understanding of heritage and traditions in theatre and the diversity of world cultures as expressed in theatre. Through the critical evaluation and response strand, students engage in inquiry and dialogue, accept constructive criticism, revise personal views to promote creative and critical thinking, and develop the ability to appreciate and evaluate live theatre.

Technical Theatre I-II (THT1000, THT2000)
Grades: 9-12       Credit: 1 per year       GPA Weight: Regular
Course Fees: Non-refundable $15 for supplies

This course introduces theatre safety, history, publicity, stage management, theatre etiquette, and the concepts of scenic properties, lighting, costume, makeup design, and construction. For classes that excel in theory, some practical applications of skills may be granted, depending on production needs. Students are required to attend and evaluate the departmental productions during the year.

Technical Theatre III and IV (THT3000, THT4000)
Grades: 11-12       Credit: 1 per year       GPA Weight: Regular
Course Fees: Non-refundable $15 for supplies

This advanced class of Tech theatre focuses on the creative requirements of theatre production. Students will design and construct properties, light plots, costumes, sets and makeup for practical show. Students are required to serve a minimum number of crew hours for each production as needed. Students are required to attend and evaluate the departmental productions during the year.
Theatre Production I and II (THP1000, THP2000)

Grades: 9-12  Credit: 1 per year  GPA Weight: Regular
Prerequisite: Performance/Test Audition
Course Fees: Non-refundable $15 for supplies

This course develops skills in applied communications, practical applications, performances, and recognition of career opportunities in theatre. Through the presentation of main stage plays, students use skills in all aspects of theatrical production (performance and/or technical areas). Students are required to audition for a role or technical position for each school production during the current year and to contribute after school time as needed. Students are required to attend and evaluate the departmental productions during the year.

Theatre Production III and IV (THT3000, THT4000)

Grades: 11-12  Credit: 1 per year  GPA Weight: Regular
Prerequisite: Performance/Test Audition
Course Fees: Non-refundable $15 for supplies

This course develops skills in applied communications, practical applications, performances, and recognition of career opportunities in theatre through the presentation of main stage plays. Students are required to audition for a role or technical position for each school production during the current year and to contribute after school time as needed. Students are required to attend and evaluate the departmental productions during the year.
CAREER AND TECHNICAL EDUCATION (CTE)

Electives for FHSP, FHSP+Endorsements
Particular requirements for certain FHSP Endorsements

Career and Technical Education (CTE) programs offer a sequence of courses that provides students with coherent and rigorous content. CTE content is aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions. Students can take any available course to satisfy an elective requirement as long as they meet any prerequisites. Students who are interested in pursuing a career pathway for all four years or in obtaining an industry certification will need to develop a four year plan to assure proper scheduling. Students may also earn a “Performance Acknowledgement” at graduation by earning an industry certification. CTE courses are available to all students including English Language Learners and Students with Disabilities.

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<td>Plant Science/Floral</td>
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<td>Certified Personal Trainer</td>
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**ENDORSEMENT: BUSINESS & INDUSTRY**

**AGRICULTURE, FOOD, & NATURAL RESOURCES**

Careers in Agriculture, Food & Natural Resources include:
- Agricultural Communications
- Agricultural Finance
- Biotechnology
- Farm Management
- Fish Hatchery Management
- Floral Designer
- Meat Processing
- Vet Technician
- Water Treatment Operations
- Welding

**Student Organization:**
The National FFA Organization

**Industry Certifications:**
- American Welding Society
- Boater’s Education
- Certified Vet Assistant
- Hunter’s Education
- Precision Exams
- Texas State Floral

**Career Pathways and Coherent Sequence of Courses:**
*required pre-requisite +recommended pre-requisite

### Agricultural Mechanics

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<tbody>
<tr>
<td>Principles of Agriculture, Food &amp; Natural Resources</td>
<td>Agricultural Mechanics &amp; Metal Technologies+</td>
<td>Agricultural Structures Design &amp; Fabrication+</td>
<td>Practicum in Agriculture, Food, Natural Resources* (2)</td>
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### Animal Sciences

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<tr>
<td>Principles of Agriculture, Food &amp; Natural Resources</td>
<td>Wildlife (1)</td>
<td>Equine Science (.5) AND Small Animal (.5) OR Prof Com^ (.5)</td>
<td>Practicum in Ag* (2) OR Adv. Animal Science * (1)</td>
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### Plant Science / Floral

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<tr>
<td>Principles of Agriculture, Food &amp; Natural Resources</td>
<td>Horticulture Science (1) OR Floral Design (1)</td>
<td>Floral Design(1) OR Advanced Floral Design *(1)</td>
<td>Advanced Floral Design*(1) OR Practicum in Ag*(2)</td>
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Pre-Veterinary

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<tbody>
<tr>
<td>Principles of Agriculture, Food &amp; Natural Resources</td>
<td>Equine Science (.5) AND Small Animal (.5)</td>
<td>Veterinary Medical Applications * (2)</td>
<td>Practicum in Vet* (2) 2020 &amp; Optional Advanced Animal Science* (1)</td>
</tr>
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</table>

Course Descriptions

**Advanced Animal Science (AGR1220)**

Grades: 12  
Credit: 1  
GPA Weight: Regular

Required Prerequisites: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and Equine Science or Small Animal Management  
Course Fee: See fee table  
(Satisfies FHSP+Endorsement requirement for 4th science credit)

This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. Students will prepare for careers in the field of animal science by learning about animal systems, career opportunities, entry requirements, and industry standards.

**Advanced Floral Design (AGR2310)**

Grades: 11-12  
Credit: 1  
GPA Weight: Regular

Required Prerequisite: Floral Design  
Course Fee: See fee table

Students build on knowledge from Floral Design and are introduced to more advanced concepts with an emphasis on specialty designs and specific occasion planning. Through analysis and evaluation of occasion and event types, students explore design needs and expectations of clients and propose and evaluate creations. From conception to evaluation students are challenged to create and design appropriate floral designs. An emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.
Agricultural Mechanics and Metal Technologies (AGR0320)
Grades: 10-12 Credit: 1 unit GPA Weight: Regular
Recommended Prerequisite: Principles of Agriculture, Food and Natural Resources
Course Fee: See fee table

This course develops skills in tool identification and safe use, carpentry, electricity, plumbing, masonry, fence building, painting, metalworking, and welding processes. Students will develop a supervised agriculture experience program and are encouraged to participate in extended learning experiences.

Agricultural Structures Design & Fabrication (AGR0920)
Grades: 11-12 Credit: 1 unit GPA Weight: Regular
Recommended Prerequisite: Ag Mechanics & Metal Technologies
Course Fee: See fee table

This course develops skills in metal equipment assembly and joining processes, covering safety, the utilization to tools, equipment, and facilities. They will demonstrate principles of facilities design and fabrication related to agricultural structures. Students will develop building plans; select site and locate agricultural building placement and estimate materials and costs needed for construction with an emphasis on renewable and eco-friendly materials.

Equine Science (AGR1207/27)
Grades: 10-12 Credit: 0.5 GPA Weight: Regular
Recommended Prerequisite: Principles of Agriculture, Food and Natural Resources
Course Fee: See fee table

This technical course develops knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses.

Floral Design (AGR1320)
Grades: 10-12 Credit: 1 GPA Weight: Regular
Course Fee: See fee table
*Course may satisfy Fine Arts requirement

This course prepares the student for careers in horticultural systems. They demonstrate design principles and techniques in floral art and interiors. They will examine floral design, business practices, specialty items, creativity, and careers. Related topics include floral business operations and consultations, design techniques, and specialty cut flower identification and classification. Also included are related topics emphasizing safety and career opportunities.
Horticultural Science (AGR1310)
Grades: 10-12 Credit: 1 GPA Weight: Regular
Recommended Prerequisite: Principles of Ag, Food and Natural Resources
Course Fee: See fee table

Students will learn employable characteristics, technical skills in dealing with plants, the ability to control common pests, and marketing and management skills used in operation of businesses. Students will receive hands-on application through the use of the greenhouse.

Practicum in Agriculture, Food, and Natural Resources (AGR3020)
Grades: 11-12 Credit: 2 GPA Weight: Regular
Required Prerequisite: Two or more credits from a coherent Ag related sequence
Course Fee: See fee table

The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources cluster.

Principles of Agriculture, Food, and Natural Resources (AGR0000)
Grades: 9-12 Credit: 1 unit GPA Weight: Regular
Course Fee: See fee table

This course is designed to introduce students to agriculture by learning the historical, current, and future significance of agriculture, gaining knowledge of the animal, plant, food and fiber, mechanic, and business industries of agriculture, analyzing agricultural leadership organizations, and identifying basic concepts related to animals and plants. The course covers soils, plants, animals, agricultural construction, food science, a supervised occupational experience program, and leadership development.

Professional Communications (AGRI1709/29)
Grades: 9-12 Credit: 0.5 GPA Weight: Regular

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.
Small Animal Management (AGR1257/77)
Grades: 10-12  Credit: 0.5  GPA Weight: Regular
Recommended Prerequisite: Principles of Agriculture, Food and Natural Resources
Course Fee: See fee table

Students will gain knowledge in variety of settings in the areas of small animal systems, business, and associations. Subject areas in this course to be covered are, but not limited to: small mammals, amphibians, reptiles, birds, dogs, cats and species specific information. Study will also highlight ownership, hazards, and welfare of small animals.

Veterinary Medical Applications (AGR3130)
Grades: 11-12  Credit: 1  GPA Weight: Regular
Required Prerequisite: Equine Science or Small Animal Management
Course Fee: See fee table

This course prepares students for careers in the fields of Veterinary Medicines. Students participate in a supervised agriculture experience, research current topics in veterinary medicine, evaluate veterinary hospitals and communicate using veterinary terms. In addition, they learn to evaluate animals, their health, diseases and clinical examinations.

Wildlife, Fisheries, and Ecology Management (AGR1520)
Grades: 10-12  Credit: 1  GPA Weight: Regular
Recommended Prerequisite: Principles of Agriculture, Food and Natural Resources
Course Fee: See fee table

This course is designed to examine the importance of wildlife and natural resources, including the management of different species of wildlife, habits, habitats, and identification. The course includes the State Mandated Hunter Education Certification, which is achieved by passing the state certification exam.
ARCHITECTURE & CONSTRUCTION

Careers in Architecture & Construction include:
Architectural Engineering
Architecture
Building Maintenance

Carpentry
Construction
Plumbing & Electrical

Student Organization: Skills USA

Industry Certifications:
OSHA 10 Hour
Precision Exams

Career Pathways and Coherent Sequence of Courses:
*required pre-requisite
+recommended pre-requisite

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<tr>
<th>Architecture</th>
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<tbody>
<tr>
<td>Principles of Architecture (1)</td>
<td>Architectural Design I* (1)+</td>
<td>Architectural Design II* (2)</td>
<td>Practicum in Architecture* (2)</td>
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<th>Construction</th>
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<tr>
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<td>Principles of Construction (1)</td>
<td>Construction Technology I* (2)</td>
<td>Construction Technology II* (2)</td>
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Course Descriptions

Architectural Design I (ACS1020)
Grades: 10-12
Credit: 1
GPA Weight: Regular
Required Prerequisites: Algebra I, English I
Recommended Prerequisites: Geometry, Principles of Architecture, Principles of Construction
Course Fee: See fee table

In Architectural Design, students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural design includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes. Construct numerous scale-model home designs of your choosing.
Architectural Design II (ACS1120)
Grades: 11-12  
Credits: 2  
GPA Weight: Regular
Required Prerequisites: Architectural Design I
Course Fee: See fee table

In Architectural Design II, students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Advanced Architectural design includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes.

Construction Technology I (ACS2000)
Grades: 11-12  
Credit: 2  
GPA Weight: Regular
Recommended Prerequisite: Principles of Construction
Course Fee: See fee table

In Construction Technology, students gain knowledge and skills specific to those needed to enter the workforce as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. Certification is optional.

Construction Technology II (ACS2500)
Grades: 12  
Credit: 2  
GPA Weight: Regular
Required Prerequisite: Construction Technology II
Course Fee: See fee table

Construction Technology II provides advanced knowledge and skills specific to those needed to enter the workforce as an apprentice carpenter, drywall, painter, roofer, mason, rebar installer, structural steel erector, industrial and/or construction welder, building maintenance technicians, or prepare for a postsecondary degree in construction management, architecture, or engineering. Students will have the opportunity to take various Industry and/or OSHA certification tests.

Practicum in Architectural Design (ACS4000)
Grades: 12  
Credits: 2  
GPA Weight: Regular
Required Prerequisites: Architectural Design II
Course Fee: See fee table

Practicum in Architectural Design is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. At times, students will work at the direction of industry professionals. The student will have the opportunity to take various Industry and/or OSHA certification tests.
Principles of Architecture (ACS0120)
Grades: 9-12  
Credit: 1  
GPA Weight: Regular  
Course Fee: See fee table

Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management. Achieving proficiency in decision-making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, education, and career information to set and achieve realistic career and educational goals. Job-specific training can be provided through training modules that identify career goals in trade and industry areas. Classroom studies include topics such as safety, work ethics, communication, information technology applications, systems, health, environment, leadership, teamwork, ethical and legal responsibility, employability, and career development and include skills such as problem solving, critical thinking, and reading technical drawings. You and your team can build the framing for your own scale model home!

Principles of Construction (ACS1200)
Grades: 10-12  
Credit: 1  
GPA Weight: Regular  
Course Fee: See fee table

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. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.
ARTS, AUDIO/VISUAL & COMMUNICATIONS

Careers in Arts, Audio/Visual & Communications
Advertising Sales Agent  Software Developer
Graphic Designer Developer  Video Game Designer
Multimedia Animator  Web Developer

Student Organizations:
Business Professionals of America (BPA)  Skills USA
DECA

Industry Certifications:
Precision Exams  Adobe InDesign
Adobe Photoshop

Career Pathways and Coherent Sequence of Courses:
*required pre-requisite  +recommended pre-requisite

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<tr>
<td>Graphic Design</td>
<td>Digital Media (1)</td>
<td>Graphic Design I (1)</td>
<td>Graphic Design II &amp; optional Lab* (1-2)</td>
<td>Practicum in Graphic Design* (2020) (2)</td>
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Course Descriptions

Audio/Video Production (AVP2000)
Grades: 9-12  Credits: 1  GPA Weight: Regular
Recommended Prerequisite: Digital Media
Course Fee: See fee table

Students will learn the fundamentals of audio and video production. Students will be prepared to record, edit and broadcast a variety of things such as district and campus events, commercials, campus news, etc. They would work toward a goal of producing independent films and earning a professional certification.
Audio/Video Production Lab (AVP2010)
Grades: 9-12  Credits: 1  GPA Weight: Regular
Required Corequisite: Audio/Video Production
Recommended Prerequisite: Digital Media
Course Fee: See fee table

This lab option allows students additional time in class to work on building their skills and experiences, editing work and professional portfolio. Must be enrolled in Audio Video Production.

Digital Media (CMP1011)
Grades: 9-12  Credits: 1  GPA Weight: Regular
Course Fee: See fee table

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

Graphic Design (GDI1000)
Grades: 10-12  Credits: 1  GPA Weight: Regular
Recommended Prerequisite: Digital Media
Course Fee: See fee table

Students will apply the principles of design through the process of visual communication and problem-solving. Students will learn how to give and receive critiques in a peer setting. They will learn the history and evolution of graphic design. Students will have creative freedom to put their own spin on current trends while learning Adobe Photoshop, Illustrator, 3D animations, and website design.

Graphic Design II (GDI2000)
Grades: 10-12  Credits: 1  GPA Weight: Regular
Required Prerequisite: Graphic Design I
Recommended Corequisite: Graphic Design II Lab
Course Fee: See fee table

Students will demonstrate employability skills relating to employment in the Graphic Design field including design systems, cyber security. They will use technology to demonstrate elements of design, typography, perspective and printing. Students will work toward earning an Adobe certifications and creation of a professional portfolio of their graphic artwork.
Graphic Design II LAB (GDI2010)
Grades: 10-12
Credits: 1
GPA Weight: Regular
Required Prerequisite: Graphic Design I
Required Corequisite: Graphic Design II
Course Fee: See fee table

Students will continue to strengthen the skills learned in Graphic Design II with an additional period to create their artwork and build their portfolio.
BUSINESS

Careers in Business, Management & Administration include:
Actuary
Credit Manager
Financial Controller
Financial Manager
Financial Officer
Human Resources Manager
Office Manager
Operations Analyst
Small Business Owner

Student Organization:
Business Professionals of America (BPA)
DECA

Industry Certifications
Precision Exams
Microsoft Office Suite
OSHA 10 Hour
Cyber Safety

Career Pathway and Coherent Sequence of Courses:
*required pre-requisite
+recommended pre-requisite

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<tbody>
<tr>
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<td>Principles of Business (1)</td>
<td>Business Information Mgmt I^ (BIM I^) (1)</td>
<td>Business Law (1) OR Career Prep I^ (CP) (2 or 3)</td>
<td>BIM II* (1) OR CP^ I/II (2-3) OR Entrepreneurship*^ (1)</td>
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Course Descriptions

Business Information Management I (CMP1120)
Grades: 9-12
Credit: 1
GPA Weight: Regular

Students develop 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, publications, and make an electronic presentation using appropriate software.

Business Information Management II (CMP1220)
Grades: 10-12
Credit: 1
GPA Weight: Regular
Required Prerequisite: BIM I
Students develop personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, publications, and make an electronic presentation using appropriate multimedia software.

**Business Law (BUS1100)**
Grades: 11-12  Credit: 1  GPA Weight: Regular

This course introduces law and its origins; develops an understanding of how organization and operation of the legal system impacts business; includes contractual responsibility, protection of individual rights in legal relationships relative to warranties, product liability, secured and unsecured debts, negotiable instruments, agencies, employer-employee relations, property ownership and transfer, landlord and tenant, wills and states, community property, social security and taxation.

**Career Preparation I (WRK3210)**
Grades: 11-12  Credits: 2 - 3 (with Extended)  GPA Weight: Regular
Course Fee: See fee table

This course provides opportunities for students to participate in a learning experience that combines classroom instruction with paid employment experiences. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. According to approved plans, students may be released from school for work from 0 periods, 1 period, or 2 periods. Optional Extended Career Prep (WRK4110) available for 1 credit based on work hours.

**Career Preparation II (WRK4210)**
Grade: 12  Credit: 2 -3 (with Extended)  GPA Weight: Regular
Prerequisite: Career Preparation I
Course Fee: See fee table

Career Preparation II develops essential knowledge and skills through classroom technical instruction and on-the-job training in an approved business and industry training area. Students will develop skills for lifelong learning, employability, leadership, management, work ethics,
safety, and communication as a group; however, each student will have an individual training plan that will address job-specific knowledge and skills. Approved training sponsors will provide paid occupational training for a student. The training sponsor will assist the teacher in providing the necessary knowledge and skills for the student’s specific career preparation. According to approved plans, students may be released from school for work from 0 periods, 1 period, or 2 periods. Optional Extended Career Prep (WRK4220) available for 1 credit based on work hours.

**Entrepreneurship (BUS1220)**

Grades: 10-12  
Credits: 1  
GPA Weight: Regular  
Recommended Prerequisite: Principles of Business, Marketing and Finance

The principles of business and marketing, the concepts of economics and free enterprise, and the understanding of human resource skills that an effective marketer must possess provide the foundation for the study of entrepreneurship. Understanding these concepts allows students to know the interrelationship between business and marketing. Skills are learned which allow students to start their own business.

**Principles of Business, Marketing, and Finance (BUS0000)**

Grades: 9-12  
Credit: 1  
GPA Weight: Regular

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.
FINANCE

Careers in Computer Science include:
- Accountant
- Actuary
- Auditor
- Credit Analyst
- Financial Advisor
- Financial Manager
- Financial Officer
- Insurance Broker
- Loan Officer
- Stock Broker
- Stock Broker

Student Organizations:
- Business Professionals of America (BPA)
- DECA

Industry Certifications:
- Precision Exams
- Microsoft Office Suite

Career Pathway and Coherent Sequence of Courses:
*required pre-requisite +recommended pre-requisite

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<tr>
<td>Principles of Business (1)</td>
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<td>BIM I* (1) OR Money Matters (1)</td>
<td>Accounting I (1) OR Money Matters (1)</td>
<td>Financial Math* (1) OR Accounting II* (1)</td>
</tr>
</tbody>
</table>

Course Descriptions

Accounting I (BUS1520)
- Grades: 10-12
- Credit: 1
- GPA Weight: Regular
- Recommended Prerequisite: Principles of Business, Marketing and Finance
- Course Fee: See fee table

Students learn how businesses plan, record, analyze and interpret financial data. The course covers ethics in business, careers in accounting, and personal use of accounting skills. Students will also develop automated accounting skills.
**Accounting II (BUS1620)**
Grades: 11-12
Credit: 1
GPA Weight: Regular
Required Prerequisite: Accounting I

This course is the continuation of the study of all accounting concepts and procedures. More emphasis is placed on automated accounting and the use of computers as the major tool of business.

**Business Information Management I (CMP1120)**
Grades: 9-12
Credit: 1
GPA Weight: Regular
Recommended Prerequisite: Principles of Business, Marketing and Finance

Students develop 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, publications, and make an electronic presentation using appropriate software.

**Financial Math (MTH5300)**
Grade: 10-12
Credit: 1
GPA Weight: Regular
Required Prerequisite: Algebra I

Students will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution. Students will select appropriate tools to solve problems. Students will effectively communicate mathematical ideas, reasoning, and their implications using multiple representations such as symbols, diagrams, graphs, and language. Students will use mathematical relationships to generate solutions and make connections and predictions. Students will display, explain, or justify mathematical ideas and arguments using precise mathematical language in written or oral communication.

*May satisfy high school math graduation requirement.*

**Money Matters (BUS1200)**
Grades: 9-12
Credit: 1
GPA Weight: Regular
Recommended Prerequisite: Principles of Business, Marketing and Finance

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long-term financial goals based on those options. Students will determine methods of achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.
Principles of Business, Marketing, and Finance (BUS0000)
Grades: 9-12 Credit: 1 GPA Weight: Regular

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.
HOSPITALITY & TOURISM

Careers in Hospitality & Tourism include:
Amusement Park Manager        Sous Chef
Chef                             Spa Manager
Pastry Chef                      Travel Agent / Tour Guide
Restaurant Owner / Manager      Wedding Planner

Student Organization:
FCCLA - Family, Career and Community Leaders of America

Industry Certifications:
OSHA 10 Hour                     Texas Food Handler’s Card
Precision Exams                  Texas Food Manager

Career Pathway and Coherent Sequence of Courses:
*required pre-requisite +recommended pre-requisite

<table>
<thead>
<tr>
<th>Culinary Arts</th>
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</thead>
<tbody>
<tr>
<td>9th Grade</td>
</tr>
<tr>
<td>Lifetime Nutrition &amp; Wellness (.5) (optional)</td>
</tr>
</tbody>
</table>

Course Descriptions

Advanced Culinary Arts (CUL4000)
Grades: 11-12                  Credits: 2                  GPA Weight: Regular
Required Prerequisite: Culinary Arts
Course Fee: See fee table
Certification exam required

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in depth instruction of industry-driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment.
Culinary Arts (CUL3000)
Grades: 10-12  Credit: 2  GPA Weight: Regular
Recommended Prerequisite: Introduction to Culinary Arts
Course Fee: See fee table
Certification exam required

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certifications. This course is offered as a laboratory-based course.

Introduction to Culinary Arts (CUL2000)
Grades: 9-12  Credit: 1  GPA Weight: Regular
Course Fee: See fee table
Certification exam required

This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of foodservice operations. It will provide insight into the operation of a well-run restaurant. It will provide insight into food production skills, industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the foodservice industry.

Food Science (CUL4010)
Grades: 11-12  Credits: 1  GPA Weight: Regular
Required Prerequisite: Three units of Science including Chemistry and Biology
Recommended Prerequisite: Culinary Arts
Course Fee: See fee table

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. May count as fourth Science credit.

Lifetime Nutrition and Wellness (EHS1003/23)
Grades: 9-12  Credit: 0.5  GPA Weight: Regular
Course Fee: See fee table

This laboratory course 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. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. There is a nonrefundable fee of $10 to cover supplies that become student property.
**MANUFACTURING**

**Careers in Manufacturing include:**
- Assembler and Fabricator
- Machine Tool Programmer
- Machinist
- Mechanical Engineering Technician
- Mechanical Engineering Technician/Technologist
- Pipe Fitter
- Plant Operator
- Welder

**Student Organizations:** SkillsUSA, Technology Student Association (TSA)

**Industry Certification:** American Welding Society

**Career Pathway and Coherent Sequence of Courses:**

`*` required pre-requisite  
`+` recommended pre-requisite

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td><strong>Welding</strong></td>
<td></td>
<td>Introduction to Welding (1)</td>
<td>Welding I* (2)</td>
<td>Welding II* (2)</td>
</tr>
</tbody>
</table>

**Course Descriptions**

**Introduction to Welding (MFG1300)**

- Grades: 10-12
- Credit: 1
- GPA Weight: Regular
- Recommended Prerequisite or Corequisite: Algebra I
- Course Fee: See fee table

This course provides an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards.
Welding I (MFG2200)
Grades: 10-12 Credit: 2 GPA Weight: Regular
Recommended Prerequisite: Introduction to Welding, Algebra I
Course Fee: See fee table

In this course students will apply academic skills to the requirements of welding, demonstrating effective mathematical, reading, and writing skills to aid in the function and application of the tools, equipment, technologies, and materials used in welding. Students will perform shielded metal arc, gas metal arc, tungsten inert gas, and oxy-acetylene welding processes on a variety of metals. Students will be expected to use welding equipment following safety standards, while incorporating knowledge of welding blueprints and complete welding projects. Algebraic math skills and competency in these skills is required.

Welding II (MFG3200)
Grades: 11-12 Credits: 2 GPA Weight: Regular
Required Prerequisite: Welding I, Algebra I
Course Fee: See fee table

Advanced welding builds on knowledge and skills developed in welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply and transfer knowledge and skills to a variety of settings and programs. Students will perform shielded metal arc, gas metal arc, tungsten inert gas and oxy-acetylene welding processes on a variety of metals.
MARKETING

Careers in Marketing include:
- Advertising Manager
- Entrepreneur
- Exhibit Designer
- Market Research Analyst
- Retail Marketer
- Advertising Manager
- Entrepreneur
- Exhibit Designer
- Market Research Analyst
- Retail Marketer
- Sales Manager
- Sales Representative
- Small Business Owner
- Store & Distribution Manager
- Technical Sales Representative

Student Organization:
- Business Professionals of America (BPA)
- DECA

Industry Certifications:
- Precision Exams
- Microsoft Office Suite

Career Pathway and Coherent Sequence of Courses:
*required pre-requisite +recommended pre-requisite

Course Descriptions

Advertising (BUS0123)
- Grades: 9-12
- Credits: 0.5
- GPA Weight: Regular
- Recommended Prerequisite: Principles of Business, Finance and Marketing
- Course Fee: See fee table

Advertising and Sales Promotion is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and legal issues of advertising, historical influences, strategies, and media decision processes as well as integrated marketing communications. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.
Business Information Management I (CMP1120)
Grades: 9-12  Credit: 1  GPA Weight: Regular
Recommended Prerequisite: Principles of Business, Marketing and Finance

Students develop 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, publications, and make an electronic presentation using appropriate software.

Entrepreneurship (BUS1220)
Grades: 10-12  Credits: 1  GPA Weight: Regular
Recommended Prerequisite: Principles of Business, Finance and Marketing
Course Fee: See fee table

The principles of business and marketing, the concepts of economics and free enterprise, and the understanding of human resource skills that an effective marketer must possess provide the foundation for the study of entrepreneurship. Understanding these concepts allows students to know the interrelationship between business and marketing. Skills are learned which allow students to start their own business.

Principles of Business, Marketing, and Finance (BUS0000)
Grades: 9-12  Credit: 1  GPA Weight: Regular

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

Social Media Marketing (BUS0033)
Grades: 9-12  Credits: 0.5  GPA Weight: Regular
Recommended Prerequisite: Principles of Business, Finance and Marketing
Course Fee: See fee table

Students will research the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. Students will investigate how the marketing community measures success in the new world of social media. Student will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.
Sports and Entertainment Marketing (BUS0028)
Grades: 9-12 Credits: 0.5 GPA Weight: Regular
Recommended Prerequisite: Principles of Business, Finance and Marketing
Course Fee: See fee table

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports, sporting events and entertainment. Topics include basic marketing, target marketing, and segmentation, sponsorship, event marketing, promotions, sponsorship proposals and marketing plans.

Practicum in Marketing (MKT4200)
Grades: 12 Credits: 2 GPA Weight: Regular
Required Prerequisite: 2 or more credits in a coherent Marketing sequence
Course Fee: See fee table

Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical courses in marketing.

Professional Communications (AGRI1709/29)
Grades: 9-12 Credit: 0.5 GPA Weight: Regular

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.
ENDORSEMENT: PUBLIC SERVICES

EDUCATION AND TRAINING / HUMAN SERVICES

Careers in Education & Training / Human Services include:
Counselor Education Counselor
Early Childhood Educator Social Worker
Education Administrator Teacher

Student Organization:
Texas Association of Future Educators (TAFE)
Family, Careers, and Community Leaders of America (FCCLA)

Industry Certifications
CPR Child Development Associate
First Aid Precision Exams

Career Pathway and Coherent Sequence of Courses:
*required pre-requisite +recommended pre-requisite

<table>
<thead>
<tr>
<th>Early Childhood Education</th>
<th>9th Grade</th>
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<th>Education and Training</th>
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</thead>
<tbody>
<tr>
<td>Principles of Education (1)</td>
<td>Human Growth+ (1)</td>
<td>Instructional Practices in Education+ (2)</td>
<td>Practicum in Education &amp; Training* (2)</td>
<td></td>
</tr>
</tbody>
</table>
Course Descriptions

Child Guidance (TCH3110)
Grades: 10-12
Credit: 1
GPA Weight: Regular
Required Prerequisite: Students will be required to pass a background check and TB test.
Recommended Prerequisite: Human Growth & Development

In this technical lab course, students will prepare for careers within the early childhood field. Students will develop the skills related to child growth and guidance equipping them to develop positive relationships with children and become effective caregivers. Students will participate in real world learning as they guide, encourage and teach small children in a lab-based setting.

Human Growth and Development (TCH0220)
Grades: 10-12
Credit: 1
GPA Weight: Regular
Recommended Prerequisite: Principles of Education & Training

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

Instructional Practices (TCH1220)
Grades: 11-12
Credit: 2
GPA Weight: Regular
Recommended Prerequisite: Human Growth and Development

Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with recordkeeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Practicum in Education and Training (TCH2120)
Grade: 12
Credit: 2
GPA Weight: Regular
Required Prerequisite: Instructional Practices

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and
supervision of both a teacher with knowledge of early childhood education and exemplary educators in direct instructional roles with elementary, middle school, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

**Principles of Education and Training (TCH0120)**

*Grades: 9-12  
Credit: 1  
GPA Weight: Regular*

This course is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student’s interest area.
**HEALTH SCIENCE**

**Careers in Health Sciences include:**
- Anesthesiologist
- Audiologist
- Certified Nursing Assistant
- Certified Personal Trainer
- Chiropractor
- Emergency Medical Tech.
- Forensic Pathologist
- Medical Research Specialist
- Occupational Therapist
- Pediatrician
- Pharmacist
- Physical Therapist
- Radiologist
- Registered Dental Assistant
- Registered Nurse
- Respiratory Therapist
- Speech Therapist
- Surgeon

**Student Organization:**
Health Occupations Student of America (HOSA)

**Industry Certifications**
- CERT
- Certified Nursing Assistant
- Certified Personal Trainer
- CPR
- OSHA
- Pharmacy Technician
- Precision Exams
- Registered Dental Assistant

**Career Pathway and Coherent Sequence of Courses:**
*required pre-requisite +recommended pre-requisite

### Certified Nurse Assistant

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<tbody>
<tr>
<td>Medical Terminology (optional) (1)</td>
<td>Principles of Health Science (1)</td>
<td>Health Science Clinical/Theory * (2) OR Health Science Theory* (1)</td>
<td>Practicum in Health Science - CNA* (2)</td>
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</table>

### Certified Personal Trainer

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<td>Principles of Health Science (1)</td>
<td>Health Science Clinical/Theory * (2) OR Health Science Theory* (1)</td>
<td>Practicum in Health Science - Certified Personal Trainer* (2)</td>
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</table>
## Emergency Medical Technician (EMT)

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<td>Medical Terminology (optional) (1)</td>
<td>Principles of Health Science (1)</td>
<td>Health Science Clinical/Theory * (2) OR Health Science Theory* (1)</td>
<td>Practicum in Health Science - EMT* (2)</td>
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## General Health Science

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<tbody>
<tr>
<td>Medical Terminology (1)</td>
<td>Principles of Health Science (1)</td>
<td>Health Science Theory* (1)</td>
<td>Anatomy &amp; Physiology (1)</td>
</tr>
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</table>

## Pharmacy Technician

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<td>Medical Terminology (optional) (1)</td>
<td>Principles of Health Science (1)</td>
<td>Health Science Clinical/Theory * (2) OR Health Science Theory* (1)</td>
<td>Practicum in Health Science – Pharmacy Tech* (2)</td>
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## Registered Dental Assistant

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<tr>
<td>Medical Terminology (optional) (1)</td>
<td>Principles of Health Science (1)</td>
<td>Health Science Clinical/Theory * (2) OR Health Science Theory* (1)</td>
<td>Practicum in Health Science - RDA* (2)</td>
</tr>
</tbody>
</table>
Course Descriptions

Anatomy & Physiology (SCI4240)
Grades: 11-12  Credit: 1  GPA Weight: Regular
Required Prerequisites: Biology, second science credit
Recommended Prerequisite: Medical Terminology, Principles of Health Science or Health Science Theory

In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. The student conducts investigations, for at least 40% of instructional time, using safe, environmentally appropriate, and ethical practices. These investigations must involve actively obtaining and analyzing data with physical equipment, but may also involve experimentation in a simulated environment as well as field observations that extend beyond the classroom.

Health Science – Clinical / Health Science Theory [Combined Course] (HLT2110)
Grades: 11-12  Credits: 2  GPA Weight: Regular
Required Prerequisite: Biology, Principles of Health Science
Course Fee: See fee table

This 2-credit course combines the Health Science Theory course with the Health Science Clinical course to provide for the development of multi-occupational knowledge and skills related to a wide variety of health careers. The course is taught by different methodologies such as lecture, lab and clinical rotation.

Health Science Theory (HLT3100)
Grades: 11-12  Credits: 1  GPA Weight: Regular
Required Prerequisite: Biology
Recommended Prerequisite: Principles of Health Science
Course Fee: See fee table

This course encourages development of advanced knowledge and skills related to a variety of health careers. Students employ hands-on experiences for continued knowledge and skill development. Students recognize, learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students will recognize that quality health care depends on the ability to work with others.
Medical Terminology (HLT1000MT)
Grades: 9-12  Credit: 1  GPA Weight: Regular

A course designed to develop a working knowledge of medical language. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student’s ability to successfully secure employment or pursue advanced education in health care.

Principles of Health Science (HLT2000)
Grades: 10-12  Credit: 1  GPA Weight: Regular
Course Fee: See fee table

This course develops health care specific knowledge and skills in effective communications, ethical and legal responsibilities, patient care, safety, first aid, anatomy and physiology, medical terminology, vital signs, infection control, and employment skills. This course prepares the student for the transition to clinical or work based experiences in health care. There is a nonrefundable fee of $5 to cover supplies that become student property.

Practicum in Health Science – Certified Nursing Assistant [CNA] (HLT3520)
Grades: 12  Credits: 2  GPA Weight: Regular
Required Prerequisite: Health Science Theory or Clinicals, Biology
Certification exam required, Limited Enrollment Course
Course Fee: See fee table

An occupationally specific course designed to provide knowledge and skills for certification or licensure as a Certified Nursing Assistant. Students develop advanced clinical skills necessary for employment in the healthcare industry. Courses will be taught using different methodologies including pre-employment laboratory and clinical internship. Students must meet state certification requirements.

Practicum in Health Science – Certified Personal Trainer [CPT] (HLT3800)
Grades: 12  Credits: 2  GPA Weight: Regular
Required Prerequisite: Health Science Theory or Clinicals, Biology
Certification exam required, Limited Enrollment Course
Course Fee: See fee table

An occupationally specific course designed to provide knowledge and skills for certification or licensure as a Certified Personal Trainer (CPT). Students develop advanced clinical skills necessary for employment in the healthcare industry. Courses will be taught using different methodologies including pre-employment laboratory and clinical internship. Students must meet state and national certification requirements.
**Practicum in Health Science – Emergency Medical Technician [EMT] (HLT3320)**
Grades: 12  
Credits: 2  
GPA Weight: Regular  
Required Prerequisite: Health Science Theory or Clinicals, Biology  
Certification exam required, Limited Enrollment Course  
Course Fee: See fee table

An occupationally specific course designed to provide knowledge and skills for certification or licensure as an Emergency Medical Technician (EMT). Students develop advanced clinical skills necessary for employment in the healthcare industry. Courses will be taught using different methodologies including pre-employment laboratory and clinical internship. Students must meet state and national certification requirements.

**Practicum in Health Science – Pharmacy Technician [RX] (HLT3420)**
Grades: 12  
Credits: 2  
GPA Weight: Regular  
Required Prerequisite: Health Science Theory or Clinicals, Biology  
Certification exam required, Limited Enrollment Course  
Course Fee: See fee table

An occupationally specific course designed to provide knowledge and skills for certification or licensure as a Pharmacy Technician. Students develop advanced clinical skills necessary for employment in the healthcare industry. Courses will be taught using different methodologies including pre-employment laboratory and clinical internship. Students must meet state and national certification requirements.

**Practicum in Health Science – Registered Dental Assistant [RDA] (HLT3620)**
Grades: 12  
Credits: 2  
GPA Weight: Regular  
Required Prerequisite: Health Science Theory or Clinicals, Biology  
Certification exam required, Limited Enrollment Course  
Course Fee: See fee table

An occupationally specific course designed to provide knowledge and skills for certification or licensure as a Registered Dental Assistant (RDA). This course is designed to give the student a hands-on look at the field of dentistry and what each profession entails. Hands-on experience will be obtained through dental office rotations, research projects, oral hygiene education presentations and community involvement. It will further allow students the opportunity to continue to develop their skills as a Registered Dental Assistant in the state of Texas. Students must meet state and national certification requirements.
JUNIOR RESERVE OFFICERS’ TRAINING CORPS (JROTC)

Careers in Junior Reserved Officers’ Training Corps include:
- Aerospace Engineer
- Air Defense Artillery Officer
- Air Force Nurse
- Lawyer
- Military Officer
- Special Forces Officer

Student Organization:
JROTC

Career Pathway and Coherent Sequence of Courses:
*required pre-requisite +recommended pre-requisite

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JROTC I  JROTC II  JROTC III  JROTC IV

JROTC is grouped with the other career pathways but does not fall under Career and Technical Education.

Course Descriptions

JROTC 1-4 (RTC1000, RTC2000, RTC3000, RTC4000)

Grades: 9-12
Credits: 1 per year
GPA Weight: Regular

Prerequisites: sequential course credit
Course Fee: See fee table
(PE Substitution Available)

The purpose of the Junior Reserve Officers’ Training Corps program is to instill a value of citizenship, service to the United States, personal responsibility, and a sense of accomplishment. It does not seek any particular commitment to the military. Provide students with basic leadership skills and attention to detail. The Cadets are issued their full uniform needs for weekly uniform grade (normally Wednesday of each week). Week normally consists of one day of drill, uniform day, physical training, and academics in the following areas:
Marine Corps JROTC
1. Develop informed and responsible citizens.
2. Develop leadership skills.
3. Strengthen character.
4. Promote an understanding of the basic elements and requirements for national security.
6. Develop respect for, and an understanding of, the need for constituted authority in a democratic society.

Navy JROTC
Unit 1 – NJROTC and Your Future provide an Introduction to the NJROTC Program and Career Planning
Unit 2 – Basic Leadership Skills in the area of Followership, Leadership, Motivation, Relationships, and Attitudes and Emotions.
Unit 3 – Citizenship and American Government
Unit 4 – The US Navy
Unit 5 – Wellness, Fitness, and First Aid
ENDORSEMENT: STEM

INFORMATION TECHNOLOGY

Possible careers in Information Technology include:
Computer Network Architect
Computer Operator
Computer Programmer
Database Administrator
Database Administrator
Software Developer

Student Organization:
Robotics Club

Career Pathway and Coherent Sequence of Courses:
*required pre-requisite +recommended pre-requisite

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<thead>
<tr>
<th>Computer Science</th>
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Course Descriptions

**Computer Science I (COS1000)**
Grades: 9-12
Credit: 1
GPA Weight: Regular
Prerequisite: Algebra I
Course Fee: See fee table

This course includes beginning concepts of Object Oriented Programming using Java. In addition to skills of OOP programming in Java the student will be introduced to other programming languages, to data types and structures, and common algorithms. Applications of computing, computer operating systems, and social implications of computers will also be addressed.
PAP Computer Science I PAP (COS1020Q)
Grades: 9-12  Credit: 1  GPA Weight: Advanced
Prerequisite: Algebra I (PAP Algebra I recommended)
Course Fee: See fee table

Students will work on related AP Computer Science topics. The students will have exposure to Java programming. Students will cover topics such as: OOP exposure, control structures, object methods, class methods, inheritance and composition, Boolean logic, static and class arrays. Students will learn advanced graphics and animation.

AP Computer Science A (COS1030P)
Grades: 10-12  Credit: 1  GPA Weight: Advanced
Recommended Prerequisites: Algebra II, Computer Science I or Computer Science I PAP
AP Exam required for possible college credit
Course Fee: See fee table

AP Computer Science A is equivalent to a first‐semester, college level course in computer science. It introduces students to computer science with topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implication of computing. It emphasizes both object-oriented and imperative problem solving and design using Java language. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. AP Exam required for possible college credit.

Computer Science B (COS 2100)
Grades: 12  Credit: 1  GPA Weight: Advanced
Required Prerequisite: Algebra I, Computer Science I or PAP Computer Science I
Course Fee: See fee table

This course will foster students’ creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate 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 are expected to participate in computing contests.
Technology Applications Independent Study (CMP2000)
Grades: 12  Credit: 1  GPA Weight: Advanced
Required Prerequisite: previous Computer Science course, counselor approval
Recommended Prerequisite: Computer Science AP

Students will communicate information in different formats and to diverse audiences using a variety of technologies. Students will learn to make informed decisions; develop and produce original work that exemplifies the standards identified by the selected profession or discipline; and publish the product in electronic media and print. Students will practice the efficient acquisition of information by identifying task requirements, using search strategies, and using technology to access, analyze, and evaluate the acquired information. Students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students must submit applications for a major study that includes investigations that focus on all four of these strands. The outline of the investigation must meet approval of the instructor.
Possible careers in Science, Technology, Engineering and Mathematics include:

Account Manager
Aerospace Engineer
Biotechnology Engineer
Chemical Engineer
Electrical Engineer
Environmental Engineer
Information Researcher
Mechanical Engineer
Robotics Engineer
Robotics Operator
Software Developer

Student Organization:
Engineering Club
Robotics Club
Project Lead the Way (PLTW)

Project Lead the Way (PLTW)®
A special program called Project Lead the Way® provides a series of advanced innovative courses designed for education in the STEM fields. Project Lead the Way partners with the College Board to connect Advanced Placement (AP) courses and exams with the Project Lead the Way innovative courses. Students have the opportunity to earn college credit through either exams or an articulation agreement with the University of Texas at Tyler.

Career Pathway and Coherent Sequence of Courses:
* required pre-requisite  + recommended pre-requisite

### Engineering: Project Lead the Way (PLTW)

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Engineering Design (1)</td>
<td>Engineering Science* (1)</td>
<td>Digital Electronics* (1)</td>
<td>Engineering Design &amp; Development / Problem Solving* (1)</td>
</tr>
</tbody>
</table>

### Robotics

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robotics I (1)</td>
<td>Robotics II* (1) 2020-2021</td>
<td>Engineering Design &amp; Presentation* (1) 2021-2022</td>
<td>Engineering Design &amp; Presentation II* (2) 2022-2023</td>
</tr>
</tbody>
</table>
Course Descriptions

**Digital Electronics (STE3000H)**
Grades: 11-12  
Credits: 1  
GPA Weight: Advanced
Required Prerequisite: Algebra I and Geometry, Engineering Science
Course Fee: See fee table

Digital Electronics is the study of electronic circuits that are used to process and control digital signals and is the foundation of modern electronic devices such as cellular phones, digital audio players, laptops, and digital cameras. Students design projects with combinational and sequential logic while using design tools used in industry such as logic gates, integrated circuits, and programmable logic devices. Students use teamwork, communication, engineering standards, and technical documentation.

**Engineering Design & Problem Solving / Development (STE4100)**
Grades: 12  
Credits: 1  
GPA Weight: Advanced
Required Prerequisites: Algebra I and Geometry, Digital Electronics
Course Fee: See fee table

Engineering Design & Development students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate & justify a technical problem. After carefully defining the problem, teams design, build & test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel.

**Engineering Science (STE0220H) *Previously Principles of Engineering**
Grades: 10-12  
Credits: 1  
GPA Weight: Advanced
Required Prerequisites: Algebra I and Biology, Chemistry, IPC, or Physics,  
Recommended Prerequisites: Geometry, Introduction to Engineering Design
Course Fee: See fee table

Engineering Science exposes students to various disciplines within the engineering field by applying fundamental engineering science to real world problems. Students will delve into energy and power, materials and structures, statistics and kinematics and control systems (including robot programming).

**Introduction to Engineering Design (STE0120H)**
Grades: 9-12  
Credits: 1  
GPA Weight: Advanced
Course Fee: See fee table
Intro to Engineering is a project based learning course where students use math, science, and engineering standards and dig deep into the engineering design process. Students creatively design solutions to a variety of engineering-based problems. Students will use design tools that are used in industry such as 3D modeling software, 3D printing, and other software and hardware tools to realize their ideas. Students will learn how to create technical documentation using engineering standards.

**Robotics I (ROB1000)**

Grades: 9-10  
Credits: 1  
GPA Weight: Advanced  
Course Fee: See fee table

Students will learn the fundamentals of Robotics in a classroom. They will prepare for real world experiences by competing in robotics competitions. This will allow them to practice safety, teamwork, computer and machine operation.
CTE ELECTIVES NON-SPECIFIC TO A PATHWAY
These courses are open to any student regardless of pathway.

Forensic Science (SCI6600)
Grades: 11-12  Credit: 1  GPA Weight: Regular
Prerequisites: Biology, IPC or Chemistry

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

Professional Communications (AGRI1709/29)
Grades: 9-12  Credit: 0.5  GPA Weight: Regular

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.
OTHER PROGRAMS

**Independent Study & Seminar Courses**

Independent Study and Seminar courses are intended for self-motivated students who have exhausted all other opportunities in a particular subject. Students will conduct in depth research, prepare a product of professional quality and will present their findings to appropriate audiences. An application process is required. Independent Study courses shall earn pass/fail credit. See counselor for additional information.

**AP Capstone Diploma Program**

AP Capstone™ is a diploma program from the College Board. It’s based on two yearlong AP courses: AP Seminar and AP Research.

Rather than teaching subject-specific content, these courses develop students’ skills in research, analysis, evidence-based arguments, collaboration, writing, and presenting. Students who complete the two-year program can earn one of two different AP Capstone awards, which are valued by colleges across the United States and around the world.

Students can earn the AP Capstone Diploma™ or the AP Seminar and Research Certificate™.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma™.

Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate™.

**The Benefits of AP Capstone**

Participating in AP Capstone can help students:
- Stand out to colleges in the application process.
- Develop key academic skills they’ll use in college and beyond.
- Become self-confident, independent thinkers and problem solvers.
- Earn college credit: Many colleges offer credit for qualifying scores.
AP Seminar (APC3000P)
Grades: 10-12  Credit: 1  GPA Weight: Advanced

AP Seminar is a year-long course that has students investigate real-world issues from multiple perspectives. Students learn to synthesize information from different sources, develop their own lines of reasoning in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team.

AP Research (APC4000P) [Starting 2020-2021]
Grades: 10-12  Credit: 1  GPA Weight: Advanced
Prerequisite: AP Seminar

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question.

In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

Other Electives

Student Leadership (LDR1000)
Grades: 10-12  Credit: 1  GPA Weight: Regular

This course is designed for students who serve in leadership positions as club or class officers. Its purpose is to prepare students to assume specific responsibilities in their positions, as well as motivate them to take responsibility for their future and teach them the skills they will need to succeed as leaders.

Student Office Aide (OTH0100)
Grades: 11-12  Credit: 1 unit LOCAL ONLY
Prerequisites: Approved Application

This course is designed for students who have room in their schedule for courses beyond their graduation requirements. The students will be expected to fulfill all duties and responsibilities as determined by their supervisor. Students are limited to one aide period per semester.
Peer Assistance for Students with Disabilities I & II (PAS1000, PAS2000)

Grades: 9-12  Credit: 1 unit
Prerequisites: Approved Application

Peer Assistance for Students with Disabilities is designed to promote an inclusive educational environment for special education students. This course provides peer assistants the opportunity to develop leadership and communication skills. Peer assistants obtain initial training in confidentiality, cueing, prompting, and positive reinforcement upon enrollment in the course and mini sessions throughout the semester. Peer assistants assist the teacher in general education classroom and special education setting by modeling appropriate learning behaviors, assisting with hands on learning activities, and developing activities to facilitate inclusion in the classroom. The goal is to create a relationship among age appropriate peers of differing abilities, both socially and academically.
DUAL CREDIT FAQs

What is Dual Credit?

Dual credit is part of the Lone Star College Systems exceptional admissions program. It is especially designed for junior and senior secondary education students who qualify to earn high school and college credit simultaneously while still in high school. Lone Star College System colleges have agreements with several high school districts that permit eligible high school students to earn college credit while satisfying high school graduation requirements at the same time.

Upon approval by the high school principal or designee and college admission through the exceptional admissions program, a student may enroll in college courses taught at the high school campus. For more information regarding the dual credit program, contact your high school counselor. General dual credit information is also available at www.lonestar.edu.

What is the Dual Credit class load? Are there restrictions?

State regulations allow a dual credit student to take a maximum of two college credit courses per semester. When indicators such as grade point average or assessment scores indicate a student may have the academic ability to handle more than two courses, exceptions may be granted by the college’s instructional vice president or designee. High school sophomores and/or students under 16, at the time they enroll in the course, must also be approved by the college instructional vice president or designee. When seeking college approval it is recommended students provide an unofficial high school transcript along with test scores.

What is the cost?

Tuition rate is based on an agreement between TISD and LSC system. Fees will be assessed at the regular rate and payable directly to the college.

Will I earn college credit for these dual credit classes?

Yes. Dual credit courses are real college courses. All dual credit students are given the same rights and privileges as other Lone Star College-Tomball students. The grades earned in dual credit courses become a permanent part of a student’s college transcript.

Can I take a college Physical Education class?

Yes, with Tomball ISD approval.

Can I take a dual credit class on the college campus?

Physical Education is the only course that can be taken on the college campus (with TISD approval). By participating in the dual credit program, you have the opportunity to make significant progress toward your college degree before finishing high school. In addition, tuition is discounted and therefore costs less than regular college courses.
You are an official college student having access to the full range of services offered by Lone Star College-Tomball. These include college academic and career planning services, full resources of the library, the use of the Wellness Center, computer labs, academic support services, and the student centers on campus.

You also have the opportunity to learn what college professors expect while still in familiar high school surroundings close to home. Courses are taught at the high school campus.

Dual Credit courses are fully transferable to public colleges and universities in Texas and generally transferable to other colleges and universities throughout the United States. We recommend you always check with the receiving institution as it is their decision whether to accept classes from another college and how to count them if they are accepted.

By participating in the dual credit program, you will acquire the confidence to succeed academically and personally in college, making the transition to college much easier.

**How does a student “qualify” for the program?**

In order for students to be eligible for dual credit, the following must be in place:

- The student is currently enrolled in a TISD high school
- The student has an updated LSCS application on file
- The student meets the requirements for exceptional admissions
- The student has taken an approved assessment and meets the Texas Success Initiative (TSI) and LSC Student Success Initiative (SSI)
- The student must meet prerequisites in the areas that are applicable to the course
- The student has approval from high school designee, college designee and parent/guardian

**What is TSI and SSI?**

Under the Texas Success Initiative (TSI) students will be assessed to determine when they are ready to enroll in college-level courses. The Lone Star College Student Success Initiative (LSC-SSI) implements appropriate prerequisites for all courses. All dual credit courses have college-level reading and writing prerequisites. Math prerequisites vary depending on the course. Before registering for courses, a student must complete designated prerequisites. Such requirements are indicated as part of the college course description and are subject to change. See the online Lone Star catalog for current placement scores and individual course requirements. [http://www.lonestar.edu/lscs-catalog.htm](http://www.lonestar.edu/lscs-catalog.htm). These prerequisites will assure that students have the ability to succeed in courses at the collegiate level.

**How does the student meet the TSI requirement?**

- Exempt, from further assessment, based on ACT, SAT, Exit TAKS scores.
- Only juniors earning dual credit can use their PSAT/NMSQT scores taken during the 10th grade as an exemption from testing. Additional testing in math may be required by the college. This does not apply to seniors even though they may have used this exemption for their junior year.
achieving the minimum passing standard on COMPASS, ACUPLACER, ASSET, or THEA. High school counselors or college dual credit advisers can assist students in this area.

Admittance for all dual credit courses is based on Reading and Writing scores at the College level of 1301. Math score requirements vary depending on course number. See the Lone Star catalog for specific course requirements. High schools may require additional criteria or forms before allowing students to register for courses. Please speak to your guidance counselor before attempting to register for any college courses while in high school.

Do I have to pay for the Placement Exam?

Not the first time! Lone Star College-Tomball waives the fees for the COMPASS or ACCUPLACER placement exams for first time dual credit students. If you don’t pass and have to retest, the cost is $10 per section.

Please keep in mind that there is a 30-day wait before retesting the same test.

How do I enroll in the Dual Credit program?

1. Talk to your HS Counselor about Dual Credit offerings.
2. Complete online college application at www.lonestar.edu.
3. Demonstrate College Readiness through a placement exam in reading, writing and math or be exempt from further assessment. Preparation for testing is recommended prior to testing.
4. Complete the necessary forms. You will need a Dual Credit/Exceptional Admissions Approval form, and any others your school requires. Math courses require an unofficial transcript
5. Turn all of your scores and forms into your HS Counselor by the high school deadline for an approval signature. Please check with your counselor to determine when these forms are due and be sure you have entered your college ID and both your signature and a parent’s signature on the form. Your college ID is assigned at the time of completion of the college application.
6. Register, in person, for the college classes at Lone Star Enrollment Services by the high school deadline.
7. Pay Lone Star for tuition and fees, when applicable, by the high school deadline.

Are dual credit courses right for me?

Only the students, with the input of their parents/guardians and counselors, can answer this question. Please keep in mind the student needs to be dedicated to the demands of the course and, if applicable, the time commitments in other courses and extra-curricular activities.

How do high school students get books for the college classes?

This may vary by high school and by course, so students should contact their instructors.

What is the grading scale?

The grading scale is exactly the same as that of the high school. High school students must complete each college course attempted with a semester grade of “C” or better in order to continue in the exceptional admissions program.
How do I get my final grades and/or transcript?

Students may order Lone Star transcripts through the National Student Clearinghouse (accessed online; more information at http://www.lonestar.edu/transfer-transcript.htm. There is a $9 charge per transcript. Unofficial transcripts are available through the student’s MyLoneStar account.

For a P. E. course taken at the college campus (with high school approval), a college transcript showing completion and grade must be submitted to the high school counselor prior to the beginning of the next high school semester. If the course takes place in the final semester of a graduating senior, submit the transcript at least two weeks prior to graduation.

Will I receive quality points for dual credit?

Yes, except physical education. No additional weight is given for college P.E. courses. Quality points are only given by the high school when figuring GPA and rank.

How do students withdraw from a college class once registered?

You must see your high school counselor and withdraw from the college as well as from the high school. Withdrawal from a college course after the college’s official day of record will result in a mark of “W” on the college transcript. It is the student’s responsibility to initiate a request for withdrawal from any registered college course. The withdrawal will only be processed at the college if the student submits the required withdrawal. This form is available from the high school counselor.

Can the college withdraw a student from a college course?

Yes, high school students who earn a semester grade lower than a “C” will not be allowed to register for any dual credit course the following semester. If already registered, the college will automatically drop the student from their roles.

**Dual-Credit Courses Warning**

Enrollment in Lone Star College-Tomball Dual-Credit Courses is subject to the student meeting ALL enrollment requirements prior to the beginning of the Tomball ISD semester calendar. These requirements include:

- Students must be classified as juniors or seniors.
- Students must pass previous year’s state assessment in the content area.
- Students must meet the THEA (Texas Higher Education Assessment) requirement.

**NOTE: Dual Credit students waive their rights to High School Exam Exemptions.**
## Dual Credit Course Crosswalk

<table>
<thead>
<tr>
<th>High School Course</th>
<th>College Course</th>
<th>Additional College Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>English III/IV DC</td>
<td>Composition &amp; Rhetoric I &amp; II</td>
<td></td>
</tr>
<tr>
<td>Credit: 1 Unit</td>
<td>English 1301 &amp; 1302</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Credit: 6 Hours</td>
<td></td>
</tr>
<tr>
<td>English IV DC</td>
<td>Survey of World Literature I &amp; II</td>
<td></td>
</tr>
<tr>
<td>Credit: 1 Unit</td>
<td>English 2332 &amp; 2333</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Credit: 6 Hours</td>
<td></td>
</tr>
<tr>
<td>Independent Study</td>
<td>College Algebra</td>
<td></td>
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<tr>
<td>College Algebra DC</td>
<td>Math 1314</td>
<td></td>
</tr>
<tr>
<td>Credit: 1 Unit</td>
<td>Credit: 3 Hours</td>
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<tr>
<td>Calculus I AB DC</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td>Credit: 1 Unit</td>
<td>Math 2413</td>
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<tr>
<td></td>
<td>Credit: 4 Hours</td>
<td></td>
</tr>
<tr>
<td>Calculus I and II BC DC</td>
<td>Calculus I &amp; II</td>
<td></td>
</tr>
<tr>
<td>Credit: 2 Units</td>
<td>Math 2413 &amp; 2414</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Credit: 8 Hours</td>
<td></td>
</tr>
<tr>
<td>Statistics DC</td>
<td>Intro to Statistics</td>
<td></td>
</tr>
<tr>
<td>Credit: 1 Unit</td>
<td>Math 1342</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Credit: 3 Hours</td>
<td></td>
</tr>
<tr>
<td>Biology DC (Fall)</td>
<td>BIOL 1406</td>
<td></td>
</tr>
<tr>
<td>Credit: 1 Unit</td>
<td>Credit: 4 Hours</td>
<td></td>
</tr>
<tr>
<td>Biology DC (Spring)</td>
<td>BIOL 1407</td>
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</tr>
<tr>
<td>Credit: 1 Unit</td>
<td>Credit: 4 Hours</td>
<td></td>
</tr>
<tr>
<td>General Chemistry DC</td>
<td>General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>Credit: 1 Unit</td>
<td>CHEM 1411</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Credit: 4 Hours</td>
<td></td>
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<tr>
<td>Anatomy &amp; Physiology DC</td>
<td>Intro to Anatomy &amp; Physiology</td>
<td></td>
</tr>
<tr>
<td>Credit: 1 Unit</td>
<td>Biology 2401</td>
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<tr>
<td></td>
<td>Credit: 4 Hours</td>
<td></td>
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<tr>
<td>US History DC</td>
<td>United States History I &amp; II</td>
<td></td>
</tr>
<tr>
<td>Credit: 1 Unit</td>
<td>History 1301 &amp; 1302</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Credit: 6 Hours</td>
<td></td>
</tr>
<tr>
<td>US Government DC</td>
<td>Government 2305</td>
<td></td>
</tr>
<tr>
<td>Credit: 1 Unit</td>
<td>Credit: 3 Hours</td>
<td></td>
</tr>
</tbody>
</table>

*Requires completion of English 1301 and 1302*

*Upper level math requirements Math 2413 or higher plus B, or above average in High School Precalculus*

*Upper level math requirements Math 1342 or higher*

*Math at 0310 level*

*Math at 1316 level or take 1314 concurrently*

*Math at 0310 level*
Grade Point Average (GPA)/Class Rank

Grade point average (GPA) is expressed as a mathematical average calculated to five decimal places as necessary. GPA is determined by adding semester grades (with quality points earned) and dividing by the total number of state semester credits attempted.

Eligible semester grades earned in grades 9, 10, 11, and the fall of grade 12 shall determine GPA and class rank. TISD students receive their official GPA and class rank at the following times:

- 10th Grade (3 semesters) – Early February
- 11th Grade (4 semesters) – September
- 11th Grade (5 semesters) – January
- 12th Grade (6 semesters) – Summer
- 12th Grade (7 semesters) – January

Grades for calculating formal GPA are those earned through:

- The regular school year
- Approved correspondence courses
- Grades earned through Credit by Exam
- Credit by Exam for acceleration
- Approved dual credit
- District and approved summer school programs
- Transfer grades/credits

TISD High School GPA conversion from a weighted 100-point scale to a weighted 4.0 scale.

\[ \text{TISD GPA} \div 100 \times 4 = \text{GPA (4.0 scale)} \]

Quality Points

Starting in 9th grade, fifteen (15) quality points will be added to the semester average to calculate GPA for students in PAP, AP (Advanced Placement), DC (Dual Credit), district-specified STEM elective courses within The College Board endorsed Project Lead the Way program, and for courses that have prerequisites which include AP courses. This weighting only applies to semester averages of 70 and above. Students must remain in the course for the full semester for quality points to be awarded. See the chart on the next page for a list of courses which are weighted with quality points. Dual Credit courses taken at Lone Star College Tomball as part of the Tomball Star Academy Early College High School Program will also have quality points added to the grade following a conversion of the college grade to a 100 point scale for the student’s high school transcript. Tomball Star Academy will maintain a separate list of such dual credit courses updated annually.
### Quality Point Chart

15 Quality Points are added to the GPA calculations of the following advanced courses.

<table>
<thead>
<tr>
<th>English</th>
<th>Math</th>
<th>Languages</th>
</tr>
</thead>
<tbody>
<tr>
<td>English I PAP</td>
<td>Geometry PAP</td>
<td>French II and III PAP</td>
</tr>
<tr>
<td>English II PAP</td>
<td>Algebra I PAP, Algebra II PAP</td>
<td>French IV/V AP</td>
</tr>
<tr>
<td>English III Dual Credit Language &amp; Composition</td>
<td>Precalculus PAP/DC</td>
<td>German II and III PAP</td>
</tr>
<tr>
<td>AP English Language and Composition (AP English III)</td>
<td>AP Statistics or Statistics Dual Credit</td>
<td>German IV AP</td>
</tr>
<tr>
<td>English IV Dual Credit Language &amp; Composition</td>
<td>Independent Study College Algebra Dual Credit</td>
<td>Spanish II PAP, Spanish II NS PAP</td>
</tr>
<tr>
<td>English IV Dual Credit Literature and Composition</td>
<td>AP Calculus AB or AB Calculus I Dual Credit</td>
<td>Spanish III PAP, NS Spanish III or Spanish III Dual Credit</td>
</tr>
<tr>
<td>AP English Literature and Composition (AP English IV)</td>
<td>AP Calculus BC or BC Calculus I and II Dual Credit</td>
<td>AP Spanish Literature (Spanish IV) AP Spanish Language (Spanish V) AP NS Spanish IV</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Studies</th>
<th>Science</th>
<th>Fine Arts/Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>World Geography Studies PAP</td>
<td>Biology PAP</td>
<td>Art III Drawing PAP</td>
</tr>
<tr>
<td>AP World History, PAP W History</td>
<td>AP Biology or Biology Dual Credit</td>
<td>Art III Sculpture PAP</td>
</tr>
<tr>
<td>AP United States History or United States History Dual Credit</td>
<td>Chemistry PAP</td>
<td>AP Art Drawing</td>
</tr>
<tr>
<td>AP U. S. Government and Politics U. S. Government Dual Credit</td>
<td>AP Chemistry (Chemistry II AP) General Chemistry Dual Credit</td>
<td>AP Studio Art: 2-D Design</td>
</tr>
<tr>
<td>AP Macroeconomics</td>
<td>Anatomy and Physiology of Human Systems Dual Credit</td>
<td>AP Studio Art: 3-D Design</td>
</tr>
<tr>
<td>AP European History</td>
<td>AP Physics 1, AP Physics 2 AP Physics C: Electro Magnetic, AP Physics C Mechanical</td>
<td>AP Computer Science A</td>
</tr>
<tr>
<td>AP Psychology</td>
<td>AP Environmental Science</td>
<td>AP Music Theory</td>
</tr>
</tbody>
</table>

### PLTW

<table>
<thead>
<tr>
<th>Tomball Star Academy</th>
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<td>Computer Science I PAP</td>
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<tr>
<td>Digital Electronics</td>
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<td>Engineering Design/Problem Solving Engineering Design Development</td>
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<td>Intro Engineering Design</td>
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Due to the rigor and interaction necessary for these courses, it cannot be replicated in an alternative setting. Any student assigned to an alternative education placement for more than 15 days will be rescheduled into a regular level course and will not receive quality points.
Advanced Classes Identified for No Pass, No Play Exemption

TEC §33.081 defines and restricts the courses that are exempt from the passing grade requirement for students to be eligible to participate in extra-curricular activities. The courses that are exempt include PAP, Advanced Placement [AP] and Dual Credit (DC) courses in the subjects of English Language Arts, Mathematics, Science, Social Studies and Languages other than English. Project Lead the Way courses which are aligned through College Board with AP courses and sequences are also exempt. Students may make a 60 in two PAP, AP or Dual Credit courses and still remain UIL eligible.

ENGLISH LANGUAGE ARTS
- English I PAP, English II PAP
- AP English Language & Composition (AP English III)
- English III DC and English IV DC Language and Composition DC
- AP English Literature & Composition (AP English IV) and English IV Language & Composition DC

LANGUAGES OTHER THAN ENGLISH
- French II PAP, French III PAP
- AP French Language and Culture (French IV)
- German II PAP, German III PAP
- AP German Language and Culture (German IV)
- Spanish II PAP, Spanish III PAP, Native Speaker Spanish II and III PAP, or Spanish III DC
- AP Spanish Literature and Culture (Spanish IV, Native Speaker Spanish IV)
- AP Spanish Language (Spanish V)

MATHEMATICS
- Algebra I PAP, Algebra II PAP, Geometry PAP, Precalculus PAP
- Independent Study College Algebra DC, Algebra II DC
- AP Calculus AB or Calculus I DC
- AP Calculus BC or Calculus I and II DC
- AP Statistics or Statistics DC

SCIENCE
- Biology PAP
- AP Biology or Biology DC
- Anatomy & Physiology DC
- Chemistry PAP
- AP Chemistry or Chemistry DC
- AP Physics 1
- AP Physics 2
- AP Physics C Electricity and Magnetism, AP Physics C: Mechanics
- AP Environmental Science

SOCIAL STUDIES
- World Geography Studies PAP
- AP World History, AP European History
- AP United States History or American History DC
- AP U.S. Government or (U.S. Government DC)
- AP Macro Economics
- AP Psychology

CAREER AND TECHNICAL EDUCATION (PROJECT LEAD THE WAY) courses for Math and/or Science Credit
- Introduction to Engineering Design, Engineering Design and Problem Solving
- Engineering Science, Digital Electronics, Engineering Design Development

All Tomball STAR Academy dual credit courses taken at Lone Star College Tomball
ALTERNATIVE METHODS FOR EARNING COURSE CREDIT

DISTANCE LEARNING AND CORRESPONDENCE COURSES
Credit toward state graduation requirements may be granted for distance learning and correspondence courses only as follows:

1. The institution offering the correspondence course is The University of Texas at Austin, Texas Tech University, or another public institution of higher education approved by the Commissioner.

2. Students may earn course credit through distance learning technologies, such as satellite, Internet, two-way videoconferencing, online courses, the Texas Virtual School Network (TxVSN), and instructional television.

3. The distance learning and correspondence courses must include the state-required essential knowledge and skills for such a course.

19 TAC 74.23

TEXAS VIRTUAL SCHOOL NETWORK
The TxVSN is a state-led initiative for online learning authorized by Education Code Chapter 30A. The TxVSN is a partnership network administered by TEA in coordination with regional education service centers (ESCs), Texas public school districts and charter schools, and institutions of higher education.

The TxVSN is comprised of two components—the online school (OLS) program and the statewide course catalog. 19 TAC 70.1001(4)

ONLINE SCHOOL (OLS) PROGRAM
“Online School (OLS) program” is a full-time, virtual instructional program that is made available through an approved course provider and is designed to serve students in grades 3–12 who are not physically present at school. 19 TAC 70.1001(7)

A TxVSN OLS may serve students in grades 3–12 but may not serve students in kindergarten–grade 2.

A school district wishing to operate a TxVSN OLS in order to serve students in full-time virtual instruction shall, prior to the start of each academic year, notify TEA of grade levels to be served and the total number of students to be served during that academic year. A school district may not add grade levels after the start of the school year.

A TxVSN OLS or a school district wishing to begin operating a TxVSN OLS shall certify that the OLS has courses sufficient to comprise a full instructional program for each grade level served by the OLS prior to serving that grade level.

School districts approved to serve as TxVSN OLSs shall follow the TEA procedures related to obtaining a campus number for the virtual campus through which they serve their TxVSN OLS students.

School districts serving as TxVSN OLSs must follow all requirements in 19 Administrative Code 70.1011.

19 TAC 70.1011
STUDENT ELIGIBILITY

A student is eligible to enroll in a TxVSN course only if the student:

1. On September 1 of the school year is younger than 21 years of age or is younger than 26 years of age and entitled to the benefits of the Foundation School Program under Education Code 42.003;
2. Has not graduated from high school; and
3. Is otherwise eligible to enroll in a public school in this state.

A student is eligible to enroll full-time in courses provided through the TxVSN only if:

1. The student was enrolled in a public school in this state in the preceding school year; or
2. The student has been placed in substitute care in this state, regardless of whether the student was enrolled in a public school in this state in the preceding school year.

Exception for military dependents

A student is eligible to enroll in one or more TxVSN courses or enroll full-time in courses provided through the network if the student:

1. Is a dependent of a member of the United States military;
2. Was previously enrolled in high school in this state; and
3. No longer resides in this state as a result of a military deployment or transfer.

PROVISIONAL ENROLLMENT

If a student has not provided required evidence of eligibility to enroll, a TxVSN OLS may enroll a student provisionally for ten school days and withdraw the student from the OLS if the student does not provide the required evidence of eligibility within ten school days of the provisional enrollment.

Upon enrolling a student provisionally, the TxVSN OLS shall notify the student and the student’s parents or guardians that the student will be withdrawn if documentation is not provided within the required timeframe.

Education Code 30A.002; 19 TAC 70.1013

ENROLLED STUDENTS

A student who is enrolled in the District as a full-time student may take one or more electronic courses through the TxVSN. Education Code 30A.107(b)
UNENROLLED STUDENTS
A student who resides in this state but who is not enrolled in a school district or open-enrollment charter school in this state as a full-time student may, subject to Education Code 30A.155, enroll in electronic courses through the TxVSN. The student:

1. May not in any semester enroll in more than two electronic courses offered through the TxVSN;
2. Is not considered to be a public school student;
3. Must obtain access to a course provided through the network through the school district or open-enrollment charter school attendance zone in which the student resides;
4. Is not entitled to enroll in a course offered by a school district or open-enrollment charter school other than an electronic course provided through the network; and
5. Is not entitled to any right, privilege, activities, or services available to a student enrolled in a public school, other than the right to receive the appropriate unit of credit for completing an electronic course.

Education Code 30A.107(c)

ENROLLMENT, ADVANCEMENT, AND WITHDRAWAL
A student taking a course through the TxVSN statewide course catalog or a TxVSN OLS program is considered to:

1. Be enrolled in a TxVSN course when he or she begins receiving instruction and actively engages in instructional activities in a TxVSN subject area or course;
2. Have successfully completed a course if the student demonstrates academic proficiency and earns credit for the course, as determined by the TxVSN teacher; and
3. Be, and must be reported as, withdrawn from the TxVSN when the student is no longer actively participating in the TxVSN course or program.

A student taking a course through the TxVSN statewide course catalog:

1. Shall enroll in each TxVSN course through the TxVSN online registration system;
2. Shall be assigned a grade by the TxVSN teacher after the drop period established by TxVSN central operations;
3. May withdraw from a course taken through the TxVSN after the instructional start date without academic or financial penalty within the drop period established by TxVSN central operations; and
4. Shall have the grade assigned by the TxVSN teacher added to the student’s transcript by the student’s home district.

A student enrolled full time in grades 3–8 must demonstrate academic proficiency sufficient to earn promotion to the next grade, as determined by the TxVSN teacher for the educational program.

19 TAC 70.1015
COMPULSORY ATTENDANCE

Texas public school students are not required to be in physical attendance while participating in courses through a TxVSN OLS or the TxVSN course catalog.

Based upon successful completion of a TxVSN course for students in grades 9–12 or a TxVSN OLS instructional program for students in grades 3–8, students are considered to have met attendance requirements for that course or program. A student who has successfully completed the grade level or course is eligible to receive any weighted funding for which the student is eligible. For audit purposes, TxVSN course providers and TxVSN receiver districts shall maintain documentation to support the students’ successful completion and to support verification of compulsory attendance.

“TxVSN receiver district” means a Texas public school district that has students enrolled in the school district who take one or more online courses through the TxVSN statewide course catalog.

19 TAC 70.1001(9), .1017

REQUESTS TO ENROLL

Except as provided below, the District may not deny the request of a parent of a full-time student to enroll the student in an electronic course offered through the TxVSN.

The District may deny a request to enroll a student in an electronic course if:

1. A student attempts to enroll in a course load that is inconsistent with the student’s high school graduation plan or requirements for college admission or earning an industry certification;
2. The student requests permission to enroll in an electronic course at a time that is not consistent with the enrollment period established by the district providing the course; or
3. The District offers a substantially similar course.

The district providing the course shall make all reasonable efforts to accommodate the enrollment of a student in the course under special circumstances. If a parent of a student requests permission to enroll the student in a TxVSN course, the District has discretion to select a course provider approved by TEA for the course in which the student will enroll based on factors including the informed choice report required by Education Code 30A.108(b).

APPEALS

A parent may appeal to the Commissioner the District’s decision to deny a request to enroll a student in an electronic course offered through the TxVSN. The Commissioner’s decision under this subsection is final and may not be appealed.

Education Code 26.0031; 19 TAC 70.1035
STUDENTS WITH DISABILITIES
For purposes of the policy, the determination of whether or not an electronic course will meet the needs of a student with a disability shall be made by the student’s admission, review, and dismissal (ARD) committee in a manner consistent with state and federal law, including the Individuals with Disabilities Education Act, 20 U.S.C. 1400 et seq., and Section 504 of the Rehabilitation Act of 1973, 29 U.S.C. Section 794. Education Code 30A.007(b)

Required enrollment prohibited
The District or open-enrollment charter school may not require a student to enroll in an electronic course. Education Code 30A.107(d)

INDUCEMENTS FOR ENROLLMENT PROHIBITED
A course provider may not promise or provide equipment or any other thing of value to a student or a student's parent as an inducement for the student to enroll in an electronic course offered through the TxVSN. The Commissioner shall revoke approval of electronic courses offered by a course provider that violates this prohibition. The Commissioner’s action under this section is final and may not be appealed. Education Code 30A.1052

COURSE PORTABILITY
A student who transfers from one educational setting to another after beginning enrollment in an electronic course is entitled to continue enrollment in the course. Education Code 30A.1051; 19 TAC 70.1015(d)

STUDENT ASSESSMENT
All Texas public school students enrolled in the TxVSN are required to take the statewide assessments as required in Education Code 39.023 [see EKB]. The administration of the assessment instrument to the student enrolled in the electronic course must be supervised by a proctor.

The District shall report to the Commissioner through the Public Education Information Management System (PEIMS) the results of assessment instruments administered to students enrolled in an electronic course offered through the TxVSN separately from the results of assessment instruments administered to other students.

All districts participating in the TxVSN OLS program are included in the state’s academic accountability system. Education Code 30A.110; 19 TAC 70.1023
FUNDING
The district in which a student is enrolled is entitled to funding under Education Code Chapter 42 for the student’s enrollment in a TxVSN course in the same manner that the district is entitled to funding for the student’s enrollment in courses provided in a traditional classroom setting, provided that the student successfully completes the electronic course.

Funding is limited to a student’s enrollment in not more than three electronic courses during any school year, unless the student is enrolled in a full-time online program that was operating on January 1, 2013.

*Education Code 30A.153*

The District may decline to pay the cost for a student of more than three yearlong electronic courses, or the equivalent, during any school year unless the student is enrolled in a full-time online program that was operating on January 1, 2013. If the District declines to pay the cost, a student is able to enroll in additional electronic courses at the student’s cost. *Education Code 26.0031(c-1)*

COURSE COST
The District may charge the course cost for enrollment in a TxVSN course to a student who resides in this state and:

1. Is enrolled in the District as a full-time student with a course load greater than that normally taken by students in the equivalent grade level in other school districts; or

2. Elects to enroll in a TxVSN course for which the District in which the student is enrolled as a full-time student declines to pay the cost as authorized by Education Code 26.0031(c-1).

The District may charge the course cost for enrollment in a TxVSN course during the summer.

The District shall charge the course cost for enrollment in a TxVSN course to a student who resides in this state and is not enrolled in a school district or open-enrollment charter school as a full-time student.

A TxVSN course cost may not exceed the lesser of the cost of providing the course or $400.

A district that is not the course provider may charge a student enrolled in the district a nominal fee, not to exceed $50, if the student enrolls in a TxVSN course that exceeds the course load normally taken by students in the equivalent grade level.

A TxVSN statewide course catalog provider shall receive:

1. No more than 70 percent of the catalog course cost prior to a student successfully completing the course; and

2. The remaining 30 percent of the catalog course cost when the student successfully completes the course.

*Education Code 30A.155(a)–(c-1); 19 TAC 70.1025*
TEXAS VIRTUAL SCHOOL NETWORK

The Superintendent or designee shall establish procedures for students to enroll in courses provided by the Texas Virtual School Network (TxVSN).

Enrollment in courses through the TxVSN shall not be subject to limitations established for other distance learning courses.

OTHER DISTANCE LEARNING

The Superintendent or designee shall establish procedures governing the use of other distance learning courses, including correspondence courses, as a means of earning credit in a subject or course. In order to receive credit, a student shall obtain approval from the principal or designee prior to enrollment in the course.

ASSIGNMENT FOR CREDIT RECOVERY

The principal, designee, or attendance committee, as applicable, may assign a student as often as necessary to distance learning courses, including correspondence courses, for the purpose of credit recovery.

LIMITS ON REQUESTS

Apart from assignment for credit recovery, the principal or designee shall grant a student’s requests for approval for enrollment in no more than two distance learning courses for state-required credits for graduation and shall not approve enrollment in more than one such course at a time.

Based on a student’s circumstances and in accordance with criteria established in administrative procedures, the Superintendent or designee may grant exceptions to these limitations.

Errata and Addenda

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