Academic Course Selection Guide

Revised December, 2014

Grades 9-12

2015-2016

Little Elm High School

1900 Walker Lane

Little Elm, Texas 75068

www.leisd.ws/lehs
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LEISD NONDISCRIMINATION STATEMENT

It is the policy of Little Elm 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.

It is the policy of Little Elm 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.

Little Elm ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational programs. For information about your rights or grievance procedures, contact the Title IX Coordinator, Cleota Epps, at P.O. Box 6000 - 300 Lobo Lane, Little Elm, Texas, 75068, 972-292-1847 ext. 15013, and/or the Section 504 Coordinator, Cortney Clover, at P.O. Box 6000 - 1900 Walker Lane, Little Elm, Texas, 75068, 972-292-1847 ext. 15022.

LEHS ACADEMIC COURSE SELECTION GUIDE INFORMATION

This Academic Course Selection Guide has been developed to provide important information for students and their parents. It will assist you in making informed decisions concerning programs and course choices throughout your high school years.

Students are encouraged to consult with parents, counselors, teachers, administrators and adults in the workforce prior to making course selections. Electronic copies of this course guide may be accessed at www.leisd.ws or www.leisd.ws/lehs.

One of the most critical functions performed by a school each year is pre-registration. Based on information obtained during pre-registration, courses are scheduled and staff is employed for the following school year. Random changing of courses at the beginning of school and semester will not be honored due to the effect such changes have on classroom enrollment and the disruption of instruction. Students may change levels within the same course, such as moving from a Pre-AP/AP class to a regular class, during the first ten instructional days of the course.

All schedule change requests (other than the level changes referenced above) must be (1) made in writing and signed by both the student and parent, and (2) received by the principal/counselor no later than the last Friday of March for the upcoming school year. Students are expected to enroll in a full class load.

The course guide also offers graduation plans, graduation requirements and academic program information. Students must contact the college or university they are interested in attending so that the requirements for entrance are met.
COURSE AVAILABILITY

Some courses listed in this guide may not be offered every semester and/or every year due to lack of student interest, lack of available qualified staff, or financial constraints. In cases of limited class enrollment, priority will be given to seniors first, juniors second, etc.

Because of scheduling conflicts and the closing of classes, a student may not be able to register for every class he/she planned to take during a semester. For this reason, the student should select alternate courses during the course selection process. COURSE OPTIONS

In addition to the normal course offerings LEHS students may also earn credit through the following options:

● ADVANCED PLACEMENT options are college readiness courses.
  ○ Pre-Advanced Placement (Pre-AP) courses provide students with the knowledge and skills to succeed in Advanced Placement and/or college courses.
  ○ Advanced Placement (AP) courses prepare students for the AP Exam and the academic rigor of college level instruction. AP examinations are given in May on specified dates and times. Results are sent to the high school. Results are also sent to the college(s) of the student’s choice, which may grant college credit. Placement and credit are granted by the institutions in accordance with their own policies. A fee is required for each exam.
  ○ Any student may enroll in AP or Pre-AP courses, if they have met the prerequisites for the course, or are dually enrolled in a college readiness course, such as AVID. Students are cautioned to choose their classes carefully and pay attention to their overall class load. In some cases students may enroll in AP courses based on teacher and parent recommendation, however the final decision will be made by the appropriate campus Administrator.

● CAREER and TECHNICAL EDUCATION courses provide students with applied learning experiences. Work-based opportunities, internships, externships, licenses, and certifications are also available through these courses.

● CREDIT BY EXAMINATION offered through Texas Tech University, NYU or other board approved sites.
  ○ With Prior Instruction: to regain credit for courses previously attempted. Students may receive credit if they: (1) obtain prior permission from their parents/guardian, (2) receive prior approval from the building principal or designee, (3) complete an application, and (4) make a grade of 70 or higher on the CBE.
  ○ With No Prior Instruction: for an academic subject in which the student has had no prior instruction. The student must (1) obtain prior permission from his/her parent/guardian, (2) conference with the principal/counselor, (3) complete an application and pay the fee if the CBE is taken outside of the district’s testing window. The district pays the fees for CBEs for acceleration purposes taken during the district’s testing window, and (4) makes a grade of 90 or higher on the CBE.

  ○ A student who enters District schools from a home school or from a school not accredited by TEA or who enters the District through a foreign exchange program must pass competency exams in the subject area to receive credit for that subject. Grades earned on competency exams shall be included in GPA calculations and shall not be weighted. [See TRANSFER CREDIT at FD (LOCAL)]
● **DUAL CREDIT ENROLLMENT** is counted for both high school and college credit through either North Central Texas College and the University of Texas – Permian Basin. Students must pass the appropriate placement test(s) required by the college/university and/or get an acceptable score on the ACT or SAT. Students must complete the application process and be approved by the admissions office of the college/university, register, and pay for all books, fees, and tuition. Additionally, students can receive Dual Credit through the University of Texas at Austin (ONRamps). Students must have successfully completed the prerequisite courses as well as have teacher recommendation.

While these courses will earn university credit and will be recorded on a formal transcript, the transferability of this courses to another university rests solely with the accepting institution. Students should consult the admissions office of the appropriate institution for information regarding the transfer of credit.

● **PROJECT LEAD THE WAY** is a four year sequence of courses which, when combined with traditional mathematics and science courses in high school, introduces students to the scope, rigor and discipline of engineering prior to entering college. PLTW students from Certified Schools can take the PLTW/National Affiliate final exams. If a student receives an A or B, he/she may be eligible for college credit from Rochester Institute of Technology. For more information visit [www.pltw.org](http://www.pltw.org).

● **SUMMER SCHOOL** – offers credit recovery for students that are needing to restore credits. See your counselor or House Principal.

● **TEXAS VIRTUAL HIGH SCHOOL** is a web-based learning option. Students have access to learning new content and skills that may not otherwise be otherwise available. Course offerings vary and a fee is required. See the principal or counselor for additional information and course availability.

**State Testing Requirements for Graduation**

**Students who transfer to a Texas Public High School beginning in the Fall 2014 from a Non-Texas Public High School, or an Out-Of-State entity**

Students will be required to take and pass all five (5) of the End of Course (EOC) Examinations to graduate on the Foundations Plan for students earning credit after September 1, 2014.

**Students who entered High School in 2011-2012**

To graduate, a student must have a passing score on all of the EOC assessments in English I, Algebra I, Biology, English II and US History. The STAAR graduation requirements apply to students first entering the ninth grade in fall 2011.

Accelerated instruction classes may be required of any student who does not master any portion of the TAKS/EOC test(s) in grades 8 through exit level.

**Students who entered High School Prior to 2011-2012**

To receive a high school diploma in the state of Texas, students must earn a passing score on all sections of the Texas Assessment of Knowledge and Skills (TAKS) exit level (11th grade) test.
GRADUATION PLANS and REQUIREMENTS

The District offers the following state approved graduation programs. The graduation program you must follow is determined by your entry date into High School. Your parent and counselor can help you decide which pathway of study is best for you.

Class of 2018 and Thereafter

![Diagram of graduation plan]

<table>
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<tr>
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<td>English Language Arts – 4 Credits</td>
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<td>Algebra I</td>
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<td>Government</td>
<td>1 Science or 1 CTE Science</td>
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## HB 5 GRADUATION ENDORSEMENT REQUIREMENTS

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| **Science, Technology, Engineering & Mathematics (STEM)**
  Science Engineering Mathematics |
  **Required Courses:** Foundation courses, Algebra II, Chemistry, Physics, and one Endorsement option from the list on the right  

**Science, Technology, Engineering & Mathematics (STEM)** |
| Students must complete Algebra II, Chemistry, Physics, and ONE of the following options for the STEM Endorsement:
  1. A coherent sequence of four or more credits in Career and Technical Education (CTE) Engineering, that consists of at least two courses in the Engineering cluster, at least one being an advanced Engineering course; or
  2. Three credits in Mathematics by successfully completing Algebra II and two additional Mathematics courses for which Algebra II is a prerequisite; or
  3. Four credits in Science by successfully completing Chemistry, Physics and two additional Science courses; or
  4. In addition to Algebra II, Chemistry, and Physics completing a coherent sequence of 3 additional credits from no more than 2 of the options (1 – 4) listed above. |
| **Business & Industry**
  Arts, AV Technology & Communications
  Business & Finance
  Graphic Design
  Marketing
  Trade & Industry - Manufacturing
  Trade & Industry - Welding |
  **Required courses:** Foundation courses, Algebra II, an additional Science, and one Endorsement option from the list on the right  

**Business & Industry** |
| Students must complete ONE of the following options for the Business & Industry Endorsement:
  1. A coherent sequence of courses for four or more credits in CTE that consists of at least two courses, at least one being advanced, in the same career cluster from the choices listed below:
    a. Arts, Audio/Video Technology, and Communications; or
    b. Business and Finance; or
    c. Graphic Design
    d. Marketing
    e. Trade & Industry
    f. Manufacturing & Welding
    g. Professional Communications
  2. Four English elective credits to include three levels in one of the following areas:
    a. Advanced Broadcast Journalism
    b. Advanced Journalism Newspaper
    c. Debate
    d. Advanced Journalism Yearbook |
| **Public Services**
  Health Sciences
  Education & Training
  Law, Public Safety, Correction & Security |
  **Required courses:** Foundation courses, Algebra II, an additional Science, and one Endorsement option from the list on the right  

**Public Services** |
| Students must complete ONE of the following options for the Public Service Endorsement:
  1. A coherent sequence of courses for four or more credits in CTE that consists of at least two courses, at least one being advanced, in the same career cluster from the choices listed below:
    a. Education & Training; or
    b. Health Science; or
    c. Law, Public Safety, Correction & Security |
| **Arts & Humanities**
  Social Studies
  Languages Other Than English
  Fine Arts |
  **Required courses:** Foundation courses, Algebra II, an additional Science, and one Endorsement option from the list on the right  

**Arts & Humanities** |
| Students must complete ONE of the following options for the Arts & Humanities Endorsement:
  1. Four Social Studies courses; or
  2. Four levels of the same language in a language other than English; or
  3. Two levels of the same language other than English and two levels of a different language in a language other than English; or
  4. A coherent sequence of four credits by selecting courses in Art; or
  5. A coherent sequence of four credits by selecting courses in Dance; or
  6. A coherent sequence of four credits by selecting courses in Music (Band or Choir); or
  7. A coherent sequence of four credits by selecting courses in Theatre |
| **Multidisciplinary Studies**
  Advanced courses from one or among Endorsement areas, four credits in each of the four core subject areas, four credits in advanced placement or dual credit |
  **Required courses:** Foundation courses, Algebra II, an additional Science, and one Endorsement option from the list on the right  

**Multidisciplinary Studies** |
| Students must complete ONE of the following options for the Multidisciplinary Studies Endorsement:
  1. Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence; or
  2. Four credits in each of the four foundation subject areas to include English IV and chemistry and/or physics; or
  3. Four credits in advanced placement or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts |
## CLASS of 2016 and Class of 2017

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<th>Social Studies ♦</th>
<th>Recommended Plan</th>
<th>Distinguished Plan</th>
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<td><strong>Three and one-half credits:</strong></td>
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<tr>
<td>• World History Studies (one credit)</td>
<td>• World History Studies (one credit)</td>
<td></td>
</tr>
<tr>
<td>• World Geography Studies (one credit)</td>
<td>• World Geography Studies (one credit)</td>
<td></td>
</tr>
<tr>
<td>• U.S. History Studies Since 1877 (one credit)</td>
<td>• U.S. History Studies Since 1877 (one credit)</td>
<td></td>
</tr>
<tr>
<td>• U.S. Government (one-half credit)</td>
<td>• U.S. Government (one-half credit)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Economics with emphasis on the free enterprise system and its benefits</th>
<th>One-half credit</th>
<th>One-half credit</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Languages Other Than English</th>
<th>Two credits: The credits must consist of any two levels in the same language.</th>
<th>Three credits: The credits must consist of any three levels in the same language.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Physical Education</th>
<th>One credit:</th>
<th>One credit:</th>
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</thead>
<tbody>
<tr>
<td>• The required credit may be from any combination of the following one-half to one credit courses:</td>
<td>• The required credit may be from any combination of the following one-half to one credit courses:</td>
<td></td>
</tr>
<tr>
<td>● Foundations of Personal Fitness</td>
<td>● Foundations of Personal Fitness</td>
<td></td>
</tr>
<tr>
<td>● Adventure/Outdoor Education</td>
<td>● Adventure/Outdoor Education</td>
<td></td>
</tr>
<tr>
<td>● Aerobic Activities</td>
<td>● Aerobic Activities</td>
<td></td>
</tr>
<tr>
<td>● Team or Individual Sports</td>
<td>● Team or Individual Sports</td>
<td></td>
</tr>
<tr>
<td>• In accordance with local district policy, credit for any of the courses listed above may be earned through participation in the following activities:</td>
<td>• In accordance with local district policy, credit for any of the courses listed above may be earned through participation in the following activities:</td>
<td></td>
</tr>
<tr>
<td>● Athletics</td>
<td>● Athletics</td>
<td></td>
</tr>
<tr>
<td>● Appropriate private or commercially-sponsored physical activity programs conducted on or off campus</td>
<td>● Appropriate private or commercially-sponsored physical activity programs conducted on or off campus</td>
<td></td>
</tr>
<tr>
<td>• In accordance with local district policy, up to one credit for any one of the courses listed above may be earned through participation in any of the following activities:</td>
<td>• In accordance with local district policy, up to one credit for any one of the courses listed above may be earned through participation in any of the following activities:</td>
<td></td>
</tr>
<tr>
<td>● Drill Team</td>
<td>● Drill Team</td>
<td></td>
</tr>
<tr>
<td>● Marching Band</td>
<td>● Marching Band</td>
<td></td>
</tr>
<tr>
<td>● Cheerleading</td>
<td>● Cheerleading</td>
<td></td>
</tr>
<tr>
<td>• All allowed substitution activities must include at least 100 minutes per five-day school week of moderate to vigorous physical activity.</td>
<td>• All allowed substitution activities must include at least 100 minutes per five-day school week of moderate to vigorous physical activity.</td>
<td></td>
</tr>
<tr>
<td>• Credit may not be earned for any TEKS-based course more than once. No more than four substitution credits may be earned through any combination of substitutions.</td>
<td>• Credit may not be earned for any TEKS-based course more than once. No more than four substitution credits may be earned through any combination of substitutions.</td>
<td></td>
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<table>
<thead>
<tr>
<th>Health Education</th>
<th>One-half credit</th>
<th>One-half credit</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Speech</th>
<th>One-half credit from either of the following:</th>
<th>One-half credit from either of the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Communication Applications</td>
<td>• Communication Applications</td>
<td></td>
</tr>
<tr>
<td>• Professional Communications (CTE)</td>
<td>• Professional Communications (CTE)</td>
<td></td>
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<table>
<thead>
<tr>
<th>Fine Arts</th>
<th>One credit from any of the following:</th>
<th>One credit from any of the following:</th>
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<tbody>
<tr>
<td></td>
<td>• Art, Level I, II, III, or IV</td>
<td>• Art, Level I, II, III, or IV</td>
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<tr>
<td></td>
<td>• Dance, Level I, II, III, or IV</td>
<td>• Dance, Level I, II, III, or IV</td>
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<tr>
<td></td>
<td>• Music, Level I, II, III, or IV</td>
<td>• Music, Level I, II, III, or IV</td>
</tr>
<tr>
<td></td>
<td>• Theatre, Level I, II, III, or IV</td>
<td>• Theatre, Level I, II, III, or IV</td>
</tr>
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<tr>
<th>Elective Courses</th>
<th>Five and one-half credits from any of the following:</th>
<th>Four and one-half credits from any of the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• The list of courses approved by the SBOE for Grades 9-12 (relating to Essential Knowledge and Skills)</td>
<td>• The list of courses approved by the SBOE for Grades 9-12 (relating to Essential Knowledge and Skills)</td>
</tr>
</tbody>
</table>

| Total Credits | 26 | 26 |

**Class of 2016 and Class of 2017 **Advanced Measures** – To complete the Distinguished High School Program, a student must achieve any combination of four of the following:**

1. A score of three or higher on a College Board® Advanced Placement® examination.
2. A score of four or higher on an International Baccalaureate examination. (Not offered at LEHS)
3. A score on the Preliminary Scholastic Assessment Test (PSAT) that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corporation; as part of the National Hispanic Scholar Program of The College Board®; or as part of the National Achievement Scholarship Program for Outstanding Negro Students of the National Merit Scholarship Corporation. PSAT scores may count as only one measure regardless of the number of honors associated.
4. A grade of 3.0 (B) or higher in courses that count for college credit. For semester courses, such as Dual Credit College English I.
5. An original research/project demonstrating student performance at the college or professional level.

*Health Waiver – Students may receive a waiver for Health upon successful completion of Health Science Technology I.

**Fine Arts – credit must be earned from the following list of courses: Art I-IV, Dance I – IV, Music I-IV (includes bands, and choirs) Music History, Applied Music, Theatre Arts I-IV, and Technical Theatre.

**Transfer Students – A student who transfers into the district high school from another accredited institution shall receive credits in conformity with the policies applied to all district students. The grading system of the sending school shall be used if official documentation is provided by the sending district. A student who transfers into the district high school with courses from an accredited institution and designated AP, honors, gifted/talented, Pre-AP, or dual credit shall receive similar weighted credits counted toward the GPA according to the District grade point scale.

Transferred letter grades shall be awarded grade points as indicated on the district grade point scale. If the sending institution uses letter grades and awards credits for a grade of —D, and no documentation is provided, the conversion shall be as follows:

| A+ = 98 | B+ = 88 | C+ = 78 | D+ = 73 | F = 69 |
| A+ = 95 | B+ = 85 | C+ = 77 | D+ = 72 |
| A- = 93 | B- = 83 | C- = 76 | D- = 71 |

[9]
Early Graduates

To be eligible to graduate in fewer than four years, the student shall complete all coursework and exit-level testing required by TEA and any additional credits required by the District [see EIF (LOCAL)]. A student wishing to graduate in fewer than four years shall submit a written notice of intent to graduate early to the counselor’s office. Written parent approval shall be submitted with the notice, and the student shall receive counseling regarding requirements and schedules. The notice of intent shall be signed by the principal to graduate early.

A student’s class ranking shall be determined with the graduation class of the school year in which the student completes all requirements for a diploma, regardless of the number of years the student is enrolled in high school (EIC LOCAL).

Early graduates shall not be eligible for valedictorian, salutatorian, or top ten honors.

Refer to LEISD board policy: http://pol.tasb.org/Policy/Download/393?filename=EIC(LOCAL).pdf

Testing Program for College

- **ACT/SAT** – Most degree-granting colleges and junior/community colleges require either the American College Test (ACT) or the College Entrance Examination Board’s Scholastic Aptitude Test (SAT) as part of the admissions requirements. Please check with the institutions that you are interested in attending for their specific requirements. We suggest that students take these tests in the spring semester of their junior year. Registration materials for these tests are available from the counselor. It is the student’s responsibility to complete the forms and mail them within the specified deadline. A picture ID (such as a driver’s license) is required of all students when entering a test center to take these tests. **The high school code number for the SAT or ACT is: 444198.**
- **TSI** – The Texas Success Initiative is a program involving a test that must be taken by all students (except those who are exempt) who enroll at a public college and university in Texas. The test is designed to measure the ability of students—as indicated by their skills in reading, writing and math—to do college-level coursework. Students who demonstrate deficiencies in any of these areas will not be allowed to enroll in certain college-level courses and will be required to enroll in developmental courses for areas in which they have not passed.

Requirements for Receiving High School Credit for Coursework Completed Prior to 9th Grade

The courses taught in Little Elm ISD or another school district must be appropriately titled and numbered for high school courses in the state of Texas, and the student must have received a passing grade in the course.

A high school credit course taken in junior high will count as a graduation requirement and the grade points will affect the student’s high school grade point average.

Dual – Credit Courses

Dual-credit courses are advanced courses that a student may take in high school to earn both high school and college credit concurrently. LEISD has developed articulation agreements with North Central Texas College (NCTC), University of Texas – Permian Basin (UTPB), or The University of Texas at Austin (ONRamps) to provide a number of courses students may take. Students must pass the appropriate placements tests or an equivalent measure, be approved by the admissions office of NCTC/UTPB/UT, register, and pay for all books, fees, and tuition. While these courses will earn university credit and will be recorded on a formal transcript, the
transferability of these courses to another university rests solely with the accepting institution. Students should consult the admissions office of the appropriate institution for information regarding the transfer of credit. Applicants for Dual Credit courses should begin the process by applying at https://www.applytexas.org

**NCTC Dual Credit Courses meet Monday / Wednesday / Friday – students must comply with the compensatory education rule on the alternate days of Tuesday and Thursday.**  Some of the courses we have traditionally offered through NCTC are:

- English IV / ENGL 2301 Literature
- English IV / ENGL 2302 Literature
- English III / ENGL 1301 Grammar & Composition
- English III / ENGL 1302 Literature & Composition
- College Algebra / MATH 1314 (College Algebra)
- Statistics / MATH 1342 – Elementary Statistics
- US History / HIST 1301 – US History to 1865
- US History / HIST 1302 – US History from 1865
- US Government / GOVT 2305 – American National Government
- Economics / ECON 2301 – Principles of Economics (Macro)
- Psychology / PSYC 2301 – Introduction to General Psychology
- Sociology / SOCI 1301 – Introduction to Sociology

For further information, please visit the North Central Texas College website [www.nctc.edu](http://www.nctc.edu)

University of Texas – Permian Basin (UTPB) offers online Dual Credit courses using TxVSN. Courses currently offered online through UTPB are:

- Art Appreciation / ARTS 1301
- Composition I / ENGL 1301
- English Composition II / ENGL 1302
- British Literature to 1800 / ENGL 2322
- British Literature since 1800 / ENGL 2323
- American Literature to 1865 / ENGL 2327
- United States History to 1877 / HIST 1301
- United States History since 1877 / HIST 1302
- Jazz Pop Rock / MUSI2310
- Introduction to Psychology / PSYC 1301
- Introduction Sociology / SOCI 1301

For more information, please visit UTPB’s website at: [www.utpb.edu](http://www.utpb.edu)

The University of Texas at Austin (ONRamps) will offer the following courses with an embedded instructor. Students will participate in these courses via a blended learning format. For more information, please visit the website at: [https://ctl.utexas.edu/onramps](https://ctl.utexas.edu/onramps)

- Statistics
- PreCalculus
- English I (Rhetoric)
Student Classification:

Students will be classified according to the number of credits earned. Reference: Little Elm High School Student Handbook for additional details. LEISD promotes the Distinguished Graduation Plan for all students, so as to provide the best preparation for future college and career.

<table>
<thead>
<tr>
<th>GRADE CLASSIFICATIONS</th>
<th>Minimum/Foundational Plan</th>
<th>Distinguished/Endorsement Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>0-6.5 credits</td>
<td>0-6.5 credits</td>
</tr>
<tr>
<td>Sophomore</td>
<td>7-13.5 credits</td>
<td>7-13.5 credits</td>
</tr>
<tr>
<td>Junior</td>
<td>14-17 credits</td>
<td>14-17.5 credits</td>
</tr>
<tr>
<td>Senior</td>
<td>Minimum of 17 Fall, 20 Spring</td>
<td>Minimum of 19 Fall, 22 Spring</td>
</tr>
</tbody>
</table>
LEHS COURSE OFFERINGS

Core Classes
ENGLISH/LANGUAGE ARTS

English I - (1 credit)  
Prerequisite: None  
Grade 9

English I emphasizes the application of oral and written communication skills, and reading skills, including comprehension, inferencing, use of reference aids, and vocabulary. Vocabulary is learned in context and in isolation with an emphasis on application of vocabulary words in writing samples. Various types of writing are taught in the format of the writing process. Literature and literary concepts aligned with TEKS are also a focus, with particular focus on literary terms, author’s purpose, style within each specific genre.

English I Pre-Advanced Placement - (1 credit)  
Prerequisite: None  
Summer Assignment: Yes  
Grade 9

English I Pre-AP is recommended for a freshman who is planning to take the Advanced Placement Course of study in English in 11th or 12th grade. Pre-AP English I requires intensive study of both literature and language to prepare the serious student for advanced studies.

English II - (1 credit)  
Prerequisite: English I  
Grade 10

English II continues the emphasis of oral communication skills, reading, vocabulary, writing, mechanics and grammar, and literature/literary concepts. English II adds a higher level of complexity in all of the above areas in addition to a heavy emphasis on all TEKS objectives. English II literary studies focus on world literature, with emphasis on varying writing styles.

English II Pre-Advanced Placement - (1 credit)  
Prerequisite: English I or English I Pre-Advanced Placement  
Summer Assignment: Yes  
Grade 10

English II Pre-AP is a continuation of the skills learned in English I Pre-AP and gateway to the upper level courses of English III AP and IV AP which may be taken prior to graduation. Literature is drawn from a variety of writers all recommended from the AP reading list.

English III - (1 credit)  
Prerequisite: English II  
Grade 11

English III refines communication, reading, vocabulary, writing, mechanics and grammar, literature/literary concepts through the context of American literature. English III prepares students for college admission and post secondary literacy skills.

English III Lang. AP - (1 credit)  
Prerequisite: English II or English II Pre-Advanced Placement  
Summer Assignment: Yes  
Grade 11

English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Students in this rigorous college level course will read and analyze a wide range of fiction and nonfiction prose to deepen their awareness of rhetoric and the use of language. Students will also study the rhetoric of visual and audio media such as photographs, films, advertisements and music.
<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>English IV - (1 credit)</td>
<td>12</td>
<td>English III</td>
</tr>
<tr>
<td>English IV Lit. AP - (1 credit)</td>
<td>12</td>
<td>English III or Advanced Placement Language and Composition</td>
</tr>
<tr>
<td>Summer Assignment: Yes</td>
<td></td>
<td>English Literature is a fast paced and in depth study of various literary styles and works in addition to a series of writing assignments. It is intended to prepare the students for the Literature and Composition Exam at the end of the year.</td>
</tr>
<tr>
<td>English III/ENGL 1301 Grammar &amp; Composition- (½ credit)</td>
<td>11</td>
<td>English III; pass TAKS ELA at the current grade level; and exemption from Reading &amp; Writing sections of THEA or passing scores on the Reading &amp; Writing section of THEA submitted by August 1, 2013. Lecture and discussion for a study of the principles of expository and argumentative writing with special attention to sentence and paragraph structure, diction, punctuation, outlining and note taking; analysis and discussion of model essays; preparation of an annotated bibliography, essay writing. Students will enroll in ENGL 1031-Grammar &amp; Composition during the fall semester through North Central Texas College. Registration and payment of tuition, fees, and textbook expenses are the responsibility of the student.</td>
</tr>
<tr>
<td>English III/ ENGL 1302 Literature &amp; Composition - (½ credit)</td>
<td>11</td>
<td>Student must have earned a grade of at least a “C” in ENGL 1301 (Fall Semester) to continue with ENGL 1302. English 1302 is a study of critical thinking, sequential to ENGL 1301, leading to critical writing about literature and including two research papers demonstrating skills in research and literary criticism. Students will enroll in ENGL 1032-Literature &amp; Composition during the Spring semester through North Central Texas College. Registration and payment of tuition, fees, and textbook expenses are the responsibility of the student.</td>
</tr>
<tr>
<td>English IV/ ENGL 2301 Literature - (½ credit)</td>
<td>12</td>
<td>Student must have earned a grade of at least a “C” in ENGL 1302 (Spring Semester) to continue with ENGL 2301.</td>
</tr>
<tr>
<td>English IV/ ENGL 2302 Literature - (½ credit)</td>
<td>12</td>
<td>Student must have earned a grade of at least a “C” in ENGL 2301 (Fall Semester) to continue with ENGL 2302.</td>
</tr>
<tr>
<td>English for Speakers of Other Languages - (1 credit)</td>
<td>9-12</td>
<td>None</td>
</tr>
<tr>
<td>English for Speakers of Other Languages (ESL) I/II is designed for students coping with a new language and a new culture. Basic skills are introduced in a simple, easy-to-understand framework helping to bridge the gap between ESL and other academic subjects. ESL provides opportunities for students to practice listening, speaking, reading and writing skills as they develop independence and confidence in the use of English. ESOL includes the study of phonics, vocabulary, grammar, reading, and writing. In addition, ESL I/II may satisfy the English I/II requirement for speakers of other languages.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ESL: Language Acquisition Lab - (1 credit) Grades 9-12

Prerequisite: None

ESL Language Acquisition Lab is an elective credit for students in need of additional language study. Using techniques such as one-on-one instruction, peer tutoring, and language acquisition technology, students will receive reinforcement on basic English including speaking, writing, and reading. In addition, this class offers a higher level of vocabulary and language study for college bound students. This program offers a strong individualized content which promotes student success.

OnRamps English Language Arts - (1 HS Credit / Possible College Credit for Eng 1302) Grade 12

Reading and Writing the Rhetoric of American Identity challenges students to develop and deepen skills by reading, analyzing, and composing arguments. The recursive practices of invention, drafting, revising, editing, and proofreading are fundamental to the curriculum. This ELA course adheres to the English Language Arts Standards outlined in the Texas College and Career Readiness Standards as it moves students into university-level work.

READING I  2 Semester(s) Grade 9-12

Prerequisite: Students who did not master the Grade 8 STAAR Reading
Description: This is a basic course designed for students needing additional instruction in comprehension, fluency, vocabulary, and composing written responses.

READING II  2 Semester(s) Grade 9-12

Prerequisite: Students who did not master the STAAR English I EOC.
Description: This is a basic course designed for students needing additional instruction in comprehension, fluency, vocabulary, and composing written responses.

READING III  2 Semester(s) Grade 10-12

Prerequisite: Students who did not master the STAAR English II EOC
Description: This is a basic course designed for students needing additional instruction in comprehension, fluency, vocabulary, and composing written responses.

PRACTICAL WRITING  1 Semester Grade 11-12

Prerequisite: Reading III and Students who did not master the STAAR English I and/or II EOC
Description: This is an intensive one semester basic course designed for students needing additional instruction in comprehension, fluency, vocabulary, and composing written responses.
MATHEMATICS

Algebra I - (1 credit)  
Grade 9  
**Prerequisite:** None  
Algebra I is the study of real numbers, equations, graphing, and polynomial equations with an emphasis on applications.

**Mathematical Models with Applications - (1 credit)**  
Grades 10-11  
Mathematical Models with Applications is the study of the mathematics involved in personal income, money management, banking services, and consumer economics and investments. MMA cannot be used as a math credit for the Distinguished Program and does not count as an Advanced Mathematics course under the Endorsement plans. Must be taken PRIOR to Algebra 2 for students on the recommended graduation plan.

Geometry - (1 credit)  
Grade 9-10  
**Prerequisite:** Algebra I  
Geometry is the study of deductive reasoning, lines and angles, basic postulates and theorems, congruent triangles, inequalities, parallel lines, quadrilaterals, area, polygons, circles, and geometric solids.

**Geometry Pre-Advanced Placement - (1 credit)**  
Grade 9-10  
**Prerequisite:** Algebra I  
Geometry provides students with experiences that deepen the understanding of two and three dimensional objects and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed.

Algebra II - (1 credit)  
Grade 10-12  
**Prerequisite:** Algebra I and Geometry  
Algebra II is the study of the properties of relations and functions, properties of the complex number system, polynomials and rational expressions, properties of points and planes in space, conic sections, quadratic functions, and exponential and logarithmic functions.

**Algebra II Pre-Advanced Placement - (1 credit)**  
Grade 10-12  
**Prerequisite:** Algebra I and Geometry or PAP Geometry  
**Summer Assignment:** Yes  
Algebra II starts with a continuation of concepts studied in Algebra I. Students will be challenged by new concepts that require graphing skill, function analysis, solving higher order equations, investigating complex number systems, and working with matrices, logarithms, rational functions, and conic sections.

Statistics and Risk Management - (1 credit)  
Grade 11-12  
**Prerequisite:** Algebra II  
Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. This is a CTE course and is part of the Business, Marketing & Finance career cluster. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

Pre-Calculus - (1 credit)  
Grade 11-12  
**Prerequisite:** Algebra II  
Pre-Calculus is a study of functions, sequences and series, logarithms, vectors and parametric functions with extensive use of graphing. Pre-calculus also includes a thorough study of Trigonometry including trigonometric functions and graphs, radian measure, identities solutions of triangles, inverse trigonometric functions, and applications.
Pre-Calculus Pre-Advanced Placement - (1 credit)  
**Grades 11-12**  
**Prerequisite:** Algebra II or Pre-AP Algebra II  
**Summer Assignment:** Yes  
Skills learned in algebra II will be strengthened as well as additional College Algebra skills will be covered. All of the major topics of Trigonometry will be covered as well. Student will also begin the foundations of calculus including limits and derivatives so that students are prepared to enter AP Calculus.

**AP Calculus AB (1 credit)**  
**Grades 11-12**  
**Prerequisite:** Pre-calculus or Pre-AP Pre-calculus or OnRAMPS PreCalculus  
**Summer Assignment:** Yes  
Calculus AB is concerned with developing the students’ understanding of the concepts of calculus and providing experience with its methods and applications. The courses emphasize a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important.

**AP Calculus BC (1 credit)**  
**Grades 11-12**  
**Prerequisite:** Pre-calculus or Pre-AP Precalculus or OnRAMPS Pre-Calculus  
**Summer Assignment:** Yes  
Calculus BC is an extension of Calculus AB rather than an enhancement; common topics require a similar depth of understanding. Topics include polar equations, arc length and area of a surface revolution, integration and others. The courses emphasize a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Students choose either AP Calculus AB or BC, but cannot take both for credit.

**Advanced Quantitative Reasoning – (1 credit)**  
**Grades 11-12**  
**Prerequisite:** Algebra II  
Advanced Quantitative Reasoning includes the analysis of information using statistical methods and probability, modeling change and mathematical relationships, and spatial and geometric modeling for mathematical reasoning. Students learn to become critical consumers of real-world quantitative data, knowledgeable problem solvers who use logical reasoning, and mathematical thinkers who can use their quantitative skills to solve authentic problems. Students develop critical skills for success in college and careers, including investigation, research, collaboration, and both written and oral communication of their work, as they solve problems in many types of applied situations.

**AP Statistics – (1 Credit)**  
**Grades 11-12**  
**Prerequisite:** Algebra II  
The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1) Exploring Data: Describing patterns and departures from patterns; 2) Sampling and Experimentation: Planning and conducting a study; 3) Anticipating Patterns: Exploring random phenomena using probability and simulation; 4) Statistical Inference: Estimating population parameters and testing hypotheses.

**Engineering Math (1 credit)**  
**Grades 11**  
**Prerequisites:** Algebra II  
Engineering Mathematics is a course where students solve and model robotic design problems. This is a CTE course and is part of the Engineering career cluster for those students interested in that field. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.
College Algebra/Math 1314 (College Algebra) – (1/2 credit)  

**Dual Credit**

**Prerequisites:** Algebra II; pass TAKS Mathematics at current grade level; and exemption from all sections of THEA or passing scores on all sections of THEA submitted by August 1, 2013.

**FALL COURSE OFFERING**

College Algebra is a study of equations and inequalities; functions and graphs; polynomial functions; exponential and logarithmic functions; systems of equations; sequences and series; applications. Students will enroll in MATH 1314-College Algebra during the fall semester through North Central Texas College. Registration and payment of tuition, fees, and textbook expenses are the responsibility of the student.

Statistics / Math 1342 (Elementary Statistics) - (1/2 credit)  

**Dual Credit**

**Prerequisites:** Algebra II; pass TAKS Mathematics at current grade level; and exemption from all sections of THEA or passing scores on all sections of THEA submitted by August 1, 2013.

**SPRING COURSE OFFERING**

Learning the presentation and interpretation of data; sampling; analysis of variance; probability; binomial and normal distributions; estimation and testing of hypotheses; correlation and regression; the use of statistical software. Registration and payment of tuition, fees, and textbook expenses are the responsibility of the student.

OnRamps Precalculus (1 HS Credit - Possible College Credit for PreCalculus)  

**Grade 11-12**

In Discovery PreCalculus - A Creative and Connected Approach students deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so that they can successfully work with the concepts in a rigorous university-level calculus course. This course is designed to push students well beyond “drill and kill” exercises, emphasizing conceptual understanding of mathematical definitions and developing logical arguments with their peers.

OnRamps Statistics (1 HS Credit - Possible College Credit for Statistics)  

**Grade 11-12**

Data Analysis for Health Sciences is built upon the idea that hands-on learning is an important and powerful way to learn. This course is designed to help students learn the basics of data analysis, including the descriptive and inferential statistical procedures that are commonly used in basic statistical research. Students will learn techniques for graphing and describing data; explore common function patterns, be introduced to correlation and linear regression; learn the basic principles of hypothesis testing and the inferences that can be drawn from them; and develop skills necessary for evaluating the conditional probability of events.

Math Lab  

**Local credit only**

**Prerequisite:** Students who did not pass the STAAR Math 8 or Algebra I EOC exam may be required to take Mathematics Lab in place of an elective.

**Description:**

This course will be taken in addition to the regular grade level mathematics course to offer students additional instructional time to develop and reinforce the math concepts and problem solving skills needed to pass STAAR.
SCIENCE

**Biology - (1 credit)**

**Prerequisite:** None

Biology is an introductory course in biology and is divided into two parts—cellular biology and living systems.

**Biology Pre-Advanced Placement - (1 credit)**

**Prerequisite:** None

**Summer Assignment:** No

Pre-AP Biology is the study of living organisms, their origins, how they survive, reproduce, change over time, and interact with each other and their environments. The primary objective of the course is to provide students with a fundamental understanding of modern biology and scientific processes, building a foundation for success in AP Biology as a junior or senior.

**Biology Advanced Placement - (1 credit)**

**Prerequisite:** Biology or Biology Pre-AP, Chemistry or Chemistry Pre-AP, Physics Pre-AP or IPC

**Summer Assignment:** Yes

AP Biology conforms to all of the standards put forth by the College Board and covers all topics delineated in the AP Biology Course Description. The course places an emphasis on the development of critical thinking skills, with the primary goal of the course being to develop an understanding of biological concepts and independent thinking, rather than just the accumulation of facts.

**Chemistry - (1 credit)**

**Prerequisite:** Biology or Biology Pre-AP, Algebra I

Chemistry covers the composition of substances and the changes they undergo. Emphasis is on the scientific method. To be successful in this class, the student needs to have a working knowledge of Algebra and Geometry.

**Chemistry Pre-Advanced Placement - (1 credit)**

**Prerequisite:** Algebra I

**Summer Assignment:** Yes

Pre-AP Chemistry is the second of the Pre-AP sequence and is designed primarily for students who are likely to pursue some science-related field of study in college. A more in-depth and quantitative approach will be taken in the same topics covered in the Chemistry I course. The student electing this course should have a higher-than-average ability in mathematics. It exposes the students to the type of expectations and activities required by the AP program, thereby laying the foundation for success not only in the AP chemistry program at the high school level, but also ultimately in college course work itself.

**Chemistry Advanced Placement - (1 credit)**

**Prerequisite:** Biology or Biology Pre-AP, Chemistry or Chemistry Pre-AP

**Summer Assignment:** Yes

AP Chemistry is designed to include all of the College Board’s description for AP Chemistry. Students are expected to take the AP Chemistry exam. The level of instruction will be similar to that of first and second year college material. A primary goal of the class is to develop independent, critical, and analytical thinkers. Students are expected to be capable of engaging in relevant class discussions. Laboratories are a major component of the class and include physical manipulations, processes and procedures, observation and data manipulation.

**Physics - (1 credit)**

**Prerequisite:** Biology, Chemistry, Algebra I

Physics involves the study of the physical world. Emphasis is on the conceptual understanding of the interactions in the physical world. An understanding of Algebra and Geometry is required.
Physics Pre-Advanced Placement - (1 credit)  
**Grades 11-12**  
**Prerequisite:** Biology, Algebra I, Geometry  
**Summer Assignment:** Yes  
Pre-AP Physics provides the foundation of AP Physics by using algebra and trigonometry to aid in the understanding of complex Physics concepts. In this course it is the expectation that the student will take an AP Science course the following year. Students will be introduced to both Mechanics and Electricity and Magnetism. The student will also be asked to complete six projects over the year. Pre-AP Physics can be taken concurrently with Chemistry. It should be taken concurrently with Pre-Calculus.

Physics 1 Advanced Placement - (1 credit)  
**Prerequisite:** Biology or Biology Pre-AP, Chemistry or Chemistry Pre-AP  
**Grades 11-12**  
**Summer Assignment:** Yes  
No prior coursework in physics is necessary for students to enroll in AP Physics 1. Students should have completed geometry and be concurrently taking Algebra II or an equivalent course. Although the Physics 1 course includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics 1 course itself. AP Physics 1 is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits.

Physics 2 Advanced Placement - (1 credit)  
**Prerequisite:** Physics 1 Advanced Placement  
**Grades 11-12**  
**Summer Assignment:** Yes  
AP Physics 2 is a 2nd year Physics course. The Physics 2 course is equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics.

AP Physics C: Mechanics (½ Credit)  
**Prerequisite:** Physics, Physics Pre-AP or Physics 1, Concurrently enrolled or completed Calculus  
**Grades 11-12**  
This calculus-based physics course covers kinematics, dynamics, energy, momentum, rotation, gravitation and oscillation. This course is the first of a two-course sequence that is equivalent to the introductory physics sequence taken by science and engineering students at most colleges and universities.

AP Physics C: Electricity and Magnetism (½ Credit)  
**Prerequisite:** AP Physics C: Mechanics  
**Grades 11-12**  
AP Physics C: E & M builds on AP Physics C: Mechanics with the addition of forces exerted on charged particles, electric and magnetic fields, electric circuits and their components, and the nature of electromagnetic radiation. This course is equivalent to the second semester of the introductory physics sequence typically offered at colleges and universities. This course applies both differential and integral calculus.

Anatomy and Physiology of Human Systems - (1 credit)  
**Grades 11-12**  
**Prerequisite:** Biology and Chemistry. Chemistry may be taken concurrently.  
Anatomy and Physiology of Human System is an intensive and comprehensive exploration of all aspects of the human body. This course will give students a thorough understanding of anatomical structure and the relationships between each structure as it relates to body mechanics and function. This course is an excellent prep class for those seeking to go into the medical field or sports medicine and resembles a college-level course structure. This course is a prerequisite to Pathophysiology or may be taken concurrently.
Environmental Systems - (1 credit)  
**Grades 11-12**  
**Prerequisite:** Biology I and either Chemistry I or IPC  
Environmental Systems addresses the fragile interrelationship of man and his surroundings. Emphasis is placed on ways to improve that coexistence. Topics for study include biotic/abiotic habitats, ecosystems, biomes, resources/environmental systems, interactions, sources/flows of energy in the environment, and changes in the environment.

Forensic Science - (1 credit)  
**Grades 11-12**  
**Prerequisite:** Biology and IPC (or Chemistry I or Physics)  
Forensics is an introduction to the field of Forensic Science and is a part of the CTE Law, Public Safety, Corrections and Security career cluster. Students will learn the basic concepts and skills needed to investigate crime scene scenarios. These skills will include fingerprinting, DNA analysis, ballistics, etc.

Integrated Physics and Chemistry - (1 credit)  
**Grades 9-12**  
IPC is an introductory course in the study of the basic principles of Chemistry and Basic Physics. IPC must be completed prior to chemistry and physics to be used as a science for the Recommended Program. IPC cannot be used as a science for the Distinguished Program.

Medical Microbiology – (1/2 Science Credit)  
**Grades 11-12**  
**Prerequisite:** Biology, Chemistry  
Medical Microbiology focuses on the nature of microbes and the techniques used to identify microscopic organisms. Students will also learn the preparation techniques used to make microorganisms visible. This class is very hands on and is a great learning experience for those interested in microbial science and the medical field.

Pathophysiology – (1/2 Science Credit)  
**Grades 11-12**  
**Prerequisite:** Biology, Chemistry, and preferably Anatomy and Physiology  
Anatomy and Physiology may be taken concurrently.  
Students will focus on the process of diseases. The students will have the opportunity to learn about the types of diseases and the developmental processes that diseases undergo. Students will also experience the investigative aspect of disease research and the role of the immune system in fighting disease. The course also includes a laboratory portion to expand the experience and provide a hands-on learning environment.
SOCIAL STUDIES

World Geography - (1 credit)  
Grade 9-12  
Prerequisite: None  
World Geography is the study of the earth, its regions, and the people who live in these regions. Students will study topography, weather, and climate of each region as well as the languages, customs, and ways of living of the people who inhabit these regions. In addition, the interaction of people with the environment and with each other will be studied. Students will become familiar with the relative locations of the world’s continents, oceans, and countries and will learn to use maps, charts, graphs, and other methods of research used by geographers. Can count as a fourth Social Studies credit for the Arts & Humanities Endorsement.

World Geography - Pre Advanced Placement (1 credit)  
Grade 9-10  
Prerequisite: None  
Pre AP World Geography is the study of the earth, its regions, and the people who live in these regions. This course is designed to develop a deeper understanding of topography, weather, and climate of each region as well as the languages, customs, and ways of living of the people who inhabit these regions. In addition, the interaction of people with the environment and with each other will be studied. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Can count as a fourth Social Studies credit for the Arts & Humanities Endorsement.

World History - (1 credit)  
Grade 9-12  
Prerequisite: None  
World History aims both to discover general knowledge about the development and diffusion of civilization and to foster an appreciation that such knowledge is vitally important to understanding our modern era. This course aims to develop students’ historical understanding, broaden their perspective on world affairs and sharpen their critical thinking skills. Events covered help students to understand different types of governments and how the United States became a Republic.

World History - Pre Advanced Placement (1 credit)  
Grade 9-10  
Prerequisite: None  
Pre AP World History aims both to discover a deeper knowledge about the development and diffusion of civilization and to foster an understanding and appreciation that such knowledge is vitally important to our modern era. This course aims to develop students’ historical understanding, broaden their perspective on world affairs and sharpen their critical thinking skills. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Events covered help students to understand different types of governments and how the United States became a Republic.

World History Advanced Placement - (1 credit)  
Grade 10-12  
Prerequisite: Pre AP World Geography or Pre AP World History  
Summer Assignment: Yes  
Advance Placement World History is designed to develop a greater understanding of the evolution of global processes, contacts, and interactions with different types of human societies. It highlights the nature of continuity and change over time and offers global coverage of Africa, the Americas, Asia and Europe. AP World History will be both rigorous and rewarding and is open to all high school students who are motivated and willing to do advanced work. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. It moves rapidly covering much material while teaching students’ skills needed to critically read, take notes, and write historical essays. Please see the Advanced Placement section of this course guide for further information on AP requirements.
Human Geography Advanced Placement - (1 credit)  
**Grades 10-12**

**Prerequisite:** Pre AP World Geography, Pre AP/AP World History

Introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. This course will focus on human interaction and culture. Please see the Advanced Placement section of this course guide for further information on AP requirements.

Special Topics: American Cultural Studies Part I Fall Semester

Civil Rights in America (½ credit)  
**Grades 10-12**

**Prerequisite:** None

In this course students will examine Civil Rights laws passed since Reconstruction through the lens of the Founding Documents. Students will analyze first hand accounts of key American leaders involved in major Civil Rights movements while examining the larger impact these events had on American domestic and foreign policy.

Special Topics: American Cultural Studies Part II Spring Semester

American History through Pop Culture (1/2 credit)  
**Grades 10-12**

**Prerequisite:** None

In this course students will examine how popular American film, music, art, and literature reflects 20th century society and cultural attitudes. By discussing and writing about film, art, music and literature, students will gain insight into modern American society. Students will learn how to critically analyze and evaluate pop culture sources as cultural texts and will apply this knowledge to formulate and defend a point of view.

US History - (1 credit)  
**Grade 11**

**Prerequisite:** World Geography, World History or AP World History

US History is designed to include the second half of US History 1865-present. The students will study the emergence of the US as a world power. Also studied will be the geographical influences of the development of the US, including economic, political, social, and cultural developments of labor unions. New wealth due to industrialization, the closing of the new frontier, plight of the farmers, and the reform movement of the 1900’s will be among the topics and issues covered. This is a STAAR tested course and one of the three required Social Studies credits.

US History Advanced Placement - (1 credit)  
**Grade 11**

**Prerequisite:** World Geography, World History or AP World History *(recommended)*

**Summer Assignment:** No

US History Advanced Placement is a challenging course that is meant to be the equivalent of a freshman college course and can earn students college credit. It is a two-semester survey of American history from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, and interpretation of original documents, and historiography. This is a STAAR tested course and can replace the required U.S. History credit. Please see the Advanced Placement section of this course guide for further information on AP requirements.

Psychology Advanced Placement (1 credit)  
**Grades 10-12**

**Prerequisites:** Pre AP World Geography, Pre AP/AP World History, World History

**Summer Assignment:** No

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.
Government – (1/2 credit)  
Prerequisite: None  
Grade 10-12
Government is designed to develop an understanding of the structure, functions, and development of the United States governmental and political systems. Students will analyze political institutions, processes, and civic values inherent in the political system and will develop and apply the participatory skills needed to carry out civic responsibilities and exercise their rights as citizens.

Economics - (1/2 credit)  
Prerequisite: None  
Grade 10-12
Economics provides opportunities for students to study basic principles concerning production, consumption, and distribution of goods and services. It builds an understanding of the essential components and benefits of the free enterprise system. Students study concepts of scarcity, economic interdependence, the market system, prices, economic stability, and growth. Students will examine the role of the government in the American economic system and explore selected aspects of international economic systems.

Government Advanced Placement - (1/2 credit)  
Prerequisite: AP World History, AP US History or AP English III  
Summer Assignment: Yes  
Grade 12
The AP US Government and Politics course is designed to provide students with a learning experience equivalent to that of an introductory college course in US government and politics. This course gives students an analytical perspective on government and politics in the US, including the study of general concepts used to interpret US politics and the analysis of specific examples. The course will develop students’ familiarity with the various institutions, groups, beliefs, and ideas that constitute US politics. Please see the Advanced Placement section of this course guide for further information on AP requirements.

Economics Advanced Placement - (1/2 credit)  
Prerequisite: AP World History, AP US History or AP English III  
Summer Assignment: Yes  
Grade 12
The AP Macroeconomics course is designed to provide students with a learning experience equivalent to that of an introductory college course in macroeconomics. The purpose of the course is to give students a thorough understanding of the principles of economics that apply to a market-based economic system as a whole. Please see the Advanced Placement section of this course guide for further information on AP requirements.

European History AP - (1 credit)  
Prerequisite: AP US History, AP World History, AP Human Geography or AP English III  
Grades 11-12
The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. Please see the Advanced Placement section of this course guide for further information on AP requirements. This is an elective Social Studies course.
United States History/HIST 1301 – U.S. History to 1865 – (1/2 credit) Grades 11

Dual Credit

Prerequisites: World History / See requirements of the Dual Credit College Provider

FALL SEMESTER OFFERING

U.S. History is a general survey of American History from the earliest discovery period through the Civil War and Reconstruction. Student will enroll in HIST 1301-U.S. History to 1865 during the fall semester through North Central Texas College or UTPB. Registration and payment of tuition, fees, and textbook expenses are the responsibility of the student.

United States History/HIST 1302 – U.S. History from 1865 – (1/2 credit) Grades 11

Dual Credit

Prerequisites: World History / See requirements of the Dual Credit College Provider

SPRING SEMESTER OFFERING

A continuation of HIST 1301: A general survey of American history from Reconstruction to the present. Student will enroll in HIST 1302 – U.S. History from 1865 during the spring semester through North Central Texas College or UTPB. Registration and payment of tuition, fees, and textbook expenses are the responsibility of the student.

Government/GOVT 2305 – American National Government (1/2 credit) Grade 12

Dual Credit

Prerequisite: U.S. History / See requirements of the Dual Credit College Provider

SPRING SEMESTER OFFERING

A survey of the political system of the United States including: United States Constitution, the three branches of the government; political theory, political parties, interest groups and the media. Student will enroll in GOVT 2035-American National Government during the spring semester through North Central Texas College or UTPB. Registration and payment of tuition, fees, and textbook expenses are the responsibility of the student.

Economics (ECON 2301 – Principles of Economics (Macro) (4101) (1/2 credit) Grade 12

Dual Credit

Prerequisites: US History / See requirements of the Dual Credit College Provider

FALL

An introduction to the principles of macroeconomics: This course explores Classical, Keynesian and other models in economics. Emphasis is placed on a national income, money and banking, monetary and fiscal policy, economic fluctuations and growth. Other topics include but not limited to introductory international trade and finance, employment, comparative economic systems and economic decision-making. Student will enroll in ECON 2031 principles of Economics (Macro) during the fall semester through North Central Texas College or UTPB. Registration and payment of tuition, fees, and textbook expenses are the responsibility of the student.

Psychology (PSYC 2301 – Introduction to General Psychology) (1/2 credit) Grades 11-12

Dual Credit

Prerequisites: Junior standing / See requirements of the Dual Credit College Provider

FALL

An introduction to the scientific study of human and animal behavior, with the emphasis on the basic processes of learning, perception, motivation, emotion, personality, and adjustment. Registration and payment of tuition, fees, and textbook expenses are the responsibility of the student.

Sociology (SOCI 1301 Introduction to Sociology) - (1/2 credit) Grades 11-12

Dual Credit

Prerequisites: Junior standing / See requirements of the Dual Credit College Provider

SPRING

Sociology is an introduction to the study of human society, cultural heritage, collective behavior, community and social organizations, methods of social change, and methods and processes of social control. Registration and payment of tuition, fees, and textbook expenses are the responsibility of the student.
Languages Other Than English

Spanish

Spanish I - (1 credit)  
**Prerequisite:** None  
**Grades 9-12**  
Spanish I is an initiation to the four basic skills of the Spanish Language: listening, speaking, reading, and writing. Emphasis is placed on beginning grammar structure guided by the Real Academia and composition, introductory conversational and reading practice, and basic vocabulary building. This class will also serve as an introduction to the cultures of the Spanish-speaking world and its impact on our own.

Heritage Spanish II / Español para hispanohablantes 2Pre-AP - (1 credit)  
**Prerequisite:** Teacher approval  
**Grades 9-12**  
Heritage Spanish II was designed as an entry point for students who already possess basic oral and written understanding of the Spanish language, but lack proper linguistic instruction. This Spanish class will combine elements of both grammar and literature and will address issues such as academic sentence structure, spelling and punctuation as well as seeking to correct common problems associated with colloquial or —street Spanish. This class will also serve as an introduction to the analysis and critique of Spanish Literature in order to prepare students for higher-level instruction.

Spanish II - (1 credit)  
**Prerequisite:** Spanish I  
**Grades 9-12**  
Spanish II continues the development of language skills that began in Spanish 1. Greater emphasis is placed on speaking and reading skills, as well as the introduction of more advanced grammar structures guided by the Real Academia. Students will further expand their abilities with the use of creative and expository writing, as well as class presentations. At the completion of this course, students should attain the level of novice proficiency in meeting TEKS objectives.

Spanish II Pre-AP - (1 credit)  
**Prerequisite:** Spanish I  
**Grades 9-12**  
**Summer Assignment:** Yes  
Pre-AP Spanish II is for the talented student planning to continue the study of the target language beyond Spanish II. This class moves at a faster and deeper pace into the culture, grammar guided by the Real Academia and vocabulary presented in the regular Spanish II course. The focus is to provide the background and foundation in context to assist the student’s success in the Advanced Placement program. Students are required to write essays, design projects, research and prepare oral presentations and demonstrate proficiency via various assessment tools.

Heritage Spanish III / Español para hispanohablantes 3 Pre-AP - (1 credit)  
**Prerequisite:** Heritage Speakers II / Español para hispanohablantes 2  
**Grades 9-12**  
**Summer Assignment:** Yes  
Heritage III is for students who already understand most of the grammatical concepts in Spanish. The goal is to prepare the students for the AP Language exam at the end of the school year. Students will study advanced grammatical concepts of the language guided by the Real Academia. They will study the components of essay writing and formal presentation, and the use of mood and intent in literary analysis. Students will read, analyze and discuss a variety of genre from various Spanish dialects. In addition to grammatical work, students will write a variety of papers intended to teach students to explain, defend and develop their own opinions as well as those of various authors.
Spanish III - (1 credit)  
Prerequisite: Spanish II / Spanish II Pre-AP  
Grades 9-12  
Spanish III is recommended for those students who have achieved success at the lower levels but feel that they may not be entirely prepared for the rigors of the Spanish 3 Pre-AP class. This class also begins an introductory study of Spanish language, literature, and culture in depth. Advanced grammar concepts are introduced and studied guided by the Real Academia. Students will be required to demonstrate their proficiency through essays, readings, research projects, and classroom conversations in addition to scheduled exams. Both students and teacher are expected to use their speaking skills as much as possible in the classroom.

Spanish III Pre-AP - (1 credit)  
Prerequisite: Spanish II, Spanish II Pre-AP  
Grades 9-12  
Summer Assignment: Yes  
Spanish III Pre-AP is recommended for those students who are interested in pursuing the AP Language class the following year. Those wishing to test out of foreign language requirements on college entrance exams. If preparing for a college study in which Spanish will be a part of: major study, minor, concentration, international studies, or politics. This course will contain much of the same grammar materials guided by the Real Academia as Spanish III, but will also place heavier emphasis on literature, history, and politics in the Spanish-speaking world. The majority of the class will be conducted in Spanish and students will be required to demonstrate their speaking, reading, writing, and listening skills throughout the year.

Spanish IV Language AP - (1 credit)  
Prerequisite: Spanish III, Spanish III Pre-AP  
Grades 9-12  
Summer Assignment: Yes  
AP Spanish Language is designed for students at the end of their grammatical study of the Spanish Language guided by the Real Academia. Students will refine their oral, reading, writing, and listening skills acquired in their previous classes and handle the final advanced grammar concepts remaining. At the same time, students will continue the study of various cultural, societal, and historical topics prevalent in Spanish literature, music, and movies. Some of the literature discussed in this class will be an important component to those students that continue in the AP Literature class the following year. Classes at this level are conducted almost entirely in Spanish. Class will culminate in the Spanish Language AP Test in the spring.

Spanish V Literature AP - (1 credit)  
Prerequisite: Spanish IV  
Grades 11-12  
Summer Assignment: Yes  
Spanish Literature is a continuation of the Spanish AP program with a total emphasis on the literature, poetry, and social constructs in Spanish society. Students will be exposed to a wide range of authors and literature styles (both Latin American and Iberian). They will be required to discuss, analyze and write a variety of papers which defend and synthesize their opinions and conclusions. Class will culminate in the Spanish Literature AP Test in the spring.
French

French I - (1 credit)  
Prerequisite: None  
Grades 9-11  
Students will begin to develop their skills in listening comprehension, oral dialogue, reading comprehension, and the written structure and usage of French at the novice level by participating in listening exercises, discussion, written activities, and games. They will begin to learn about French culture and its impact throughout the world.

French II - (1 credit)  
Prerequisite: French I  
Grades 10-12  
Students will further their abilities in understanding written and spoken French as well as expanding their own vocabulary and verbal capabilities through classroom activities involving listening, speaking, reading, and writing. The course work expands to include small works of authentic French literature to enlarge the students’ understanding of French culture.

French II Pre-AP - (1 credit)  
Prerequisite: French I  
Grades 10-12  
Pre-AP French II is for the talented student planning to continue the study of the target language beyond French II. This class moves at a faster and deeper pace into the culture, grammar and vocabulary presented in the regular French II course. The focus is to provide the background and foundation in context to assist the student’s success in the Advanced Placement program. Students are required to write essays, design projects, research and prepare oral presentations and demonstrate proficiency via various assessment tools.

French III Pre-AP - (1 credit)  
Prerequisite: French II  
Grades 11-12  
Summer Assignment: Yes  
Pre-AP French III is designed for the student who is interested in pursuing upper level French courses, testing out of foreign language requirements on college entrance exams, and/or preparing for a college French program. The course will focus on applying communication skills in the target language. Students will be expected to compose written compositions and to prepare and present oral reports defending their positions on a variety of topics, in addition to listening and reading comprehension activities.

French IV AP Language & Composition - (1 credit)  
Prerequisite: French III Pre-AP  
Grades 12  
Summer Assignment: Yes  
AP French provides frequent opportunities for students to integrate the four language skills (listening, speaking, reading & writing) through the use of authentic materials. All communication in class is carried out in the target language with the intent of improving student language proficiencies in speaking and listening comprehension. A portion of the student’s grade will reflect this objective.
## Communication and Debate

### Professional Communications (1/2 credit)

**Prerequisite:** None  
**Grades:** 9-12

Professional communications blends written, oral, and graphic communications 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 – (1/2 credit)

**Prerequisite:** None  
**Grades:** 9-12

Debate is designed to introduce and develop the concept of formalized argument, the skills of persuasion and cross-examination, the power of rhetoric, and the fundamentals of the National Forensic League’s Student Congress. The student will learn to prepare affirmative and negative briefs, with evidence, in preparation for eventual participation in varsity level policy or Lincoln-Douglas debate. Participation in individual speaking and debate contests is encouraged.

### Creative Writing - (1/2 credit)

**Prerequisite:** None  
**Grades:** 9-12

Students will focus on various forms of creative writing, including short stories, poetry and drama. Students will work on both mechanics and style as they compose their own works.

### Yearbook I/II/III/IV - (1 credit)

**Prerequisite:** Application process & Teacher Approval  
**Grades:** 10-12

Students are responsible for the LEHS yearbook. Students will learn how to sell ads, how to design ads, how to design and lay out a DPS, how to make quality pictures, how to write captions and body copy, how to select and edit body copy, and how to select and crop pictures. Each student will be expected to learn and perform all phases of yearbook production and to function as a member of the team dedicated to producing the finest yearbook possible. Teamwork and loyalty are stressed. Students signing up for this course will be required to complete an application process and project which will determine placement.
Career & Technical Education
Clusters
Marketing

The Marketing cluster focuses on careers that require planning, management and performing marketing activities to reach organizational objectives. The Career & Technical Student Organization that is a co-curricular part of this cluster is DECA. The instructional content for this cluster is organized into seven career pathways:

<table>
<thead>
<tr>
<th>Buying &amp; Merchandising</th>
<th>Distribution &amp; Logistics</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-Marketing</td>
<td>Management &amp; Entrepreneurship</td>
</tr>
<tr>
<td>Marketing Communications and Promotion</td>
<td>Marketing Information Management &amp; Research</td>
</tr>
<tr>
<td>Professional Sales and Marketing</td>
<td></td>
</tr>
</tbody>
</table>

![Diagram of Marketing career pathways]
**Principles of Business, Marketing and Finance - (1/2 credit) (Intro to Business)**  
Grades 9-12  
Students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance. (Also found in Bus. Section.)

**Entrepreneurship - (1/2 credit)**  
Grades 10-12  
Recommended Prerequisite: Principles of Business, marketing & Finance  
Introduction. Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit.

**Advertising and Sales Promotion: (1 Credit)**  
Grades 10-12  
Recommended Prerequisite: Principles of Business, Marketing & Finance  
Students will gain knowledge of techniques used in current advertising, including print broadcast 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.

**Sports and Entertainment Marketing: (1 Credit)**  
Grades 10-12  
Recommended Prerequisite: Principles of Business, Marketing & Finance  
Students learn basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans.

**Marketing Dynamics/Marketing Internship (2-3 Credits)**  
Grades 11-12  
Prerequisite: 16 years old, student must obtain and keep employment outside of school for the entire year.  
Final acceptance determined after interview with teacher.  
Students gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. The CTSO for the Marketing Career Cluster is DECA. Membership in DECA is highly encouraged for all Marketing students and is required for students taking Marketing Dynamics. **Student must provide his/her own transportation to/from the job/internship site**

**Practicum in Marketing Dynamics: (3 Credits)**  
Grade 12  
Prerequisite: Marketing Dynamics, approval of Principal and Teacher.  
Through course-required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. The CTSO for the Marketing Career Cluster is DECA. Membership in DECA is highly encouraged for all Marketing students and is required for students taking Marketing Dynamics. **Student must provide his/her own transportation to/from the job/internship site.**

**Capstone Opportunities for Marketing Students:**  
**Marketing Certification**  
Grade 12  
All senior year Marketing students will be offered the opportunity to take the A*S*K Institute certification test. The A*S*K Institute provides objective, third-party documentation of learning achievement through A*S*K Business Certificates. Based on industry-validated skills and requisite knowledge, it has been found the certifications offer added value to completion of course work and other learning experiences.

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Health Science Technology

The Health Science Technology cluster focuses on careers in planning, managing, and providing health care. The program provides students with opportunities to explore a variety of health careers and make realistic and satisfying career choices. Whether a student is skilled in scientific research, clinical laboratory procedures, written and verbal communication skills, or is skilled in caring for people, career options are available to match these individual interests and abilities. The Career & Technical Student Organization that is a co-curricular part of this course is HOSA. The instructional content for this cluster is organized into five federally identified career pathways:

<table>
<thead>
<tr>
<th>Therapeutic Services</th>
<th>Diagnostic Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Informatics</td>
<td>Support Services</td>
</tr>
<tr>
<td>Biotechnology Research and Development</td>
<td>Pharmacy Technician</td>
</tr>
</tbody>
</table>

![Diagram of Health Science Technology pathways](image)
**Principles of Health Science (1/2 Credit) – (Paired with Medical Terminology)** Grades 9-12

Prerequisite: Biology; (should be taken in conjunction/during the same year as Medical Terminology)

Principles of HST I is specifically designed for students interested in a career in the healthcare field. Students must have an interest in anatomy and learning the different aspects of patient care. Students will research different careers in the healthcare field. Students will learn the various aspects of working as a team, leadership, and effective communication. This course is required for students to apply for acceptance into Health Science I.

**Medical Terminology – (1/2 Credit) – (Paired with Principles of Health Science) Grades 9-12**

Prerequisites: None; (should be taken in conjunction/during the same year as Principles of Health Science)

Medical Terminology is an important prerequisite for the Health Science Technology Program. This course explores the meaning of medical words and medical abbreviations. The students will learn the origin of medical terms and how to construct new words from a medical perspective. The students will be exposed to new vocabulary that relates to each anatomical system of the body. This course is designed to greatly expand the knowledge and vocabulary of aspiring medical students. *If passed Principles of Health Science at LMS, you will paired Med Term with Family & Community Services.*

**Health Science I (1 credit) (HST I)** Grades 10-12

Prerequisite: Principles of Health Science, Medical Terminology & Biology

The Health Science course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will obtain first aid and CPR certification. Students will have hands-on experiences for continued knowledge and skill development. The course may be taught by different methodologies and will include various types of learning.

**Anatomy and Physiology – (1 Science Credit, College credit available)** Grades 11-12

Prerequisite: Biology and Chemistry. Chemistry may be taken concurrently

Anatomy and Physiology is an intensive and comprehensive exploration of all aspects of the human body. This course will give students a thorough understanding of anatomical structure and the relationships between each structure as it relates to body mechanics and function. This course is an excellent prep class for those seeking to go into the medical field or sports medicine and resembles a college-level course structure.

**Medical Microbiology – (1/2 Science Credit)** Grades 11-12

Prerequisite: Biology, Chemistry

Medical Microbiology focuses on the nature of microbes and the techniques used to identify microscopic organisms. Students will also learn the preparation techniques used to make microorganisms visible. This class is very hands on and is a great learning experience for those interested in microbial science and the medical field.

**Pathophysiology – (1/2 Science Credit)** Grades 11-12

Prerequisite: Biology, Chemistry, and preferably Anatomy and Physiology

Anatomy and Physiology may be taken concurrently.

Students will focus on the process of diseases. The students will have the opportunity to learn about the types of diseases and the developmental processes that diseases undergo. Students will also experience the investigative aspect of disease research and the role of the immune system in fighting disease. The course also includes a laboratory portion to expand the experience and provide a hands-on learning environment.
**Lifetime Nutrition and Wellness (1/2 credit)**

**Recommended prerequisite:** Principles of Human Services, Principles of Health Science, or Principles of Education and Training.

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. This course supports the Health Science career clusters.

**Family and Community Services (1/2 credit)**

**Prerequisite:** Principles of Education & Training, Principles of Human Services or Principles of Health Science

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

**Practicum in Health Science I (2 Credits)**

**Prerequisite:** Principles of Health Science, Medical Terminology, Biology, HST I and Application and Instructor approval

The student must have completed Principles of HST and HST I. This course involves an internship that includes visitation to medical offices and hospitals. Students will be able to observe various aspects of the medical field to include clinical situations, front office operations, and insurance billing. This course will provide a practical application of medical knowledge and some hands-on participation. Students are required to maintain a mature disposition and a strict manner of professionalism. Students will also be required to maintain a role-model status through overall academic performance and absence of disciplinary occurrences. **Student must provide his/her own transportation to/from the internship site.**

**Health Science Technology Practicum II (2 Credit)**

**Prerequisites:** HST I and Instructor approval

This course is enrolled by instructor approval only. The student must have completed HST I previously. This course will follow the guidelines for training to take the national registries for certification as a Pharmacy Technician and Sterile IV certification. The course curriculum follows the training program designed by PassAssured, Inc, for Pharmacy Technicians Certification preparation. Students will have the opportunity to prepare for and test for the Sterile IV Clinical Certification. **Student must provide his/her own transportation to/from the internship site.**
The Arts, A/V Technology & Communications Cluster is focused on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. The Career & Technical Student Organization for this career cluster is TSA or SkillsUSA. The instructional content for this cluster is organized into six federally identified career pathways. The state of Texas has adopted the following five pathways:

<table>
<thead>
<tr>
<th>Audio and Video Technology and Film</th>
<th>Printing Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visual Arts</td>
<td>Performing Arts</td>
</tr>
<tr>
<td>Journalism and Broadcasting</td>
<td></td>
</tr>
</tbody>
</table>
Principles of Arts, Audio/Video Technology, & Communications (1/2 Credit) Grades 9-12
Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

Audio/Video Production (1 Credit) (media tech) Grades 9-12
Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications
Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities.

Animation Grades 10-12
Recommended prerequisite: Graphic Design and Illustration or Art I.
An introduction into the field of animation. Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

Advanced Audio/Video Production (2 Credits) (media tech II) Grades 10-12
Prerequisite: Principles of AV Technology & Communications and Audio/Video Production I
Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. This course may be implemented in an advanced audio format or an advanced format, including both audio and video.

Practicum in Audio/Video Production / Final Cut (Certification Process) (2 Credits) Grades 11-12
Prerequisite: Advanced Audio/Video Production I and II
Careers in audio and video technology and film production span all aspects of the audio/video communications industry. This Final Cut training course introduces students to the primary feature set and basic interface of Final Cut Pro. In this course students learn to perform basic editing functions while familiarizing themselves with the user interface. Topics include basic setup, adjusting and customizing preferences and settings, capturing video and audio, various editing and trimming techniques, Ripple, Roll, Slip and Slide tools, audio editing and audio creation, finishing and final output. Problems and Solutions is a project-based research course for students who have the ability to research a real-world problem. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies in a variety of settings. This course is designed to provide students an opportunity to earn one advanced measure for the Distinguished Achievement Program. **Students will able to take the Final Cut Certification Test at the completion of this course.
Radio Broadcasting I – (1/2 credit)  
Grades 11-12  
Prerequisites: BIM, Speech or Communication Applications  
Students will learn the history of broadcast journalism from the early days of radio to the present day of radio and podcasting. Students will demonstrate the knowledge by being on radio for school podcasts. This course does require outside of school participation.

Graphic Design and Illustration (1 Credit)  
Grades 10-12  
Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications  
Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Advanced Graphic Design and Illustration (2 Credits) (advertising design II)  
Grades 10-12  
Prerequisite: Graphic Design and Illustration  
Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

Practicum in Graphic Design and Illustration (2 Credits)  
Grades 10-12  
Prerequisite: Advanced Graphic Design and Illustration, Advanced Commercial Photography, or Advanced Animation  
Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.  **Student must provide his/her own transportation to/from the job/internship site**
Business Management & Administration

The Business Management & Administration Cluster focuses on careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. The Career & Technical Student Organization associated with this career path is BPA (Business Professionals of America and/or DECA (A Student Marketing Association). The instructional content for this cluster is grouped into six career pathways:

<table>
<thead>
<tr>
<th>Administration and Information Support</th>
<th>Business Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Financial Management and Accounting</td>
<td>Human Resources</td>
</tr>
<tr>
<td>Management</td>
<td>Marketing</td>
</tr>
</tbody>
</table>
Principles of Business, Marketing and Finance - (1/2 credit) (Intro to Business)  
Grades 9-12
Students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

Global Business – (1/2 credit) (Paired with Principles of BM&F)  
Grades 9-12
Recommended Prerequisite: Principles of Business, Marketing & Finance
Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce and postsecondary education. Students apply technical skills to address global business applications of emerging technologies. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment.

Business Law – (1/2 credit) – (paired with Virtual Business)  
Grades 10-12
Recommended Prerequisite: Principles of Business, Marketing & Finance
Students analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency and employment, and real property. Students apply technical skills to address business applications of contemporary legal issues. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Virtual Business – (1/2 credit) – (paired with Business Law)  
Grades 10-12
Recommended Prerequisite: Principles of Business, Marketing & Finance
Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Students will be able to identify steps needed to locate customers, set fees, and develop client contracts. Students will be able to provide administrative, creative, and technical services using advanced technological modes of communication and data delivery. The student builds a functional website that incorporates the essentials of a virtual business.

Entrepreneurship - (1/2 credit)  
Grades 10-12
Recommended Prerequisite: Principles of Business, Marketing & Finance
Introduction. Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit.

Business Management – (1 credit)  
Grades 9-12
Recommended Prerequisite: Principles of Business, Marketing & Finance
Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students will learn to analyze the primary functions of management and leadership. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent managers, employees, and entrepreneurs. Students incorporate a broad base knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.
Human Resources Management - (1 Credit)  Grades 11-12
**Recommended Prerequisite:** Principles of Business, Marketing & Finance
Students recognize, evaluate, and prepare for a rapidly evolving business environment that requires flexibility and adaptability. Students analyze the primary functions of human resources management, which include recruitment, selection, training, development, and compensation. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of human resources in order to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, financial, ethical, and international dimensions of business to make appropriate human resources decisions.

Dollars and Sense (1/2 credit)  Grades 10-12
**Recommended Prerequisite:** Principles of Human Services or Principles of Business, Marketing & Finance
Dollars and Sense focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations.

Accounting I - (1 credit)  Grade 10-12
**Recommended Prerequisite:** Intro to Business, Marketing and Finance or Money Matters, and BIM1
Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on the knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision-making.

Statistics and Risk Management - (1 credit)  Grade 11-12
**Recommended Prerequisite:** Accounting I and Algebra II.
Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

Business Information Management I (BIM) - (1 credit)  Grades 9-12
Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Student apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software,

Practicum in Business Management & Practicum in Bus. Mgmt. II – (2-3 credits)  Grade 12
**Recommended Prerequisite:** Introduction to Business, Marketing & Finance, Business Management, Practicum in Business Management I.
Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or post secondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. **Student must provide his/her own transportation to/from the job/internship site**
Law, Public Safety, Corrections, and Security

The Law, Public Safety, Correction and Security Cluster is a cluster designed around the positions of service that relate to personal, private and public safety and security. This is a very diverse area of interest that provides students with hands-on learning experiences related to the public servants in this area. There are new strategies to help certify and prepare students for jobs within this field. The Career & Technical Student Organization associated with this cluster is SkillsUSA. There are five pathways under the Law, Public Safety, Corrections and Security Cluster:

<table>
<thead>
<tr>
<th>Legal Services</th>
<th>Law Enforcement Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Security and Protective Services</td>
<td>Emergency and Fire Management Services</td>
</tr>
<tr>
<td>Correction Services</td>
<td></td>
</tr>
</tbody>
</table>

![Diagram of pathways](chart.png)
Principles of Law, Public Safety, Corrections, and Security - (1/2 credit)  
Grades 9-12  
Principles of Law, Public Safety, Corrections, and Security introduce students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections.

Law Enforcement I - (1 credit)  
Grades 10-12  
Prerequisite: Principles of Law, Public Safety, Corrections, and Security  
Law Enforcement I is an overview of criminal investigations as well as the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

Law Enforcement II - (1 credit)  
Grades 11-12  
Prerequisite: Principles of Law, Public Safety, Corrections & Security and Law Enforcement I  
Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.

Correctional Services (1 credit)  
Grades 11-12  
Prerequisite: Principles of Law, Public Safety, Corrections, and Security and Law Enforcement I  
Correctional services is a course that prepares students for the certification required for employment as a correctional officer. Students will learn the roles and responsibilities of a correctional officer; discuss relevant rules, regulation, and laws. Students will also discuss defensive tactics, restraint techniques, and first aid procedures as used in the correctional setting. Students will analyze rehabilitation and alternatives to institutionalization. This course is intended for students in the law enforcement career pathway. *State Correctional Officer Certification opportunity for students that successfully complete the course and pass the Texas Exam.

Forensic Science (1 science credit)  
Grades 11-12  
Prerequisite: Biology and IPC (or Chemistry I or Physics)  
Forensics is an introduction to the field of Forensic Science and is a part of the Law, Public Safety, Corrections and Security career cluster. Students will learn the basic concepts and skills needed to investigate crime scene scenarios through classroom and laboratory experiences. These skills will include fingerprinting, DNA analysis, ballistics, as well as other commonly used processes by law enforcement professionals.

Career Preparation – Public Services Careers (3 credits)  
Grades 11-12  
Prerequisite: Principles of Law, Public Safety, Corrections & Security or any other CTE Principles course  
Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. 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.  
**Students must have a job in a Public Services area and work a minimum of 15 hours per week with their employer and provide his/her own transportation to/from work.**
Education, Training & Human Services

Education, Training & Human Services prepares students in the areas of planning, managing and providing education and training services, and related human services. The Career & Technical Student Organization associated with this career cluster is FCCLA (Family, Career & Community Leaders of America and/or TAFE (Texas Association of Future Educators). The instructional content for this cluster is organized into three career pathways:

<table>
<thead>
<tr>
<th>Administration and Administrative Support</th>
<th>Professional Support Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching and Training</td>
<td>Early Childhood Development and Services</td>
</tr>
<tr>
<td>Counseling and Mental Health Services</td>
<td>Family and Community Services</td>
</tr>
<tr>
<td>Personal Care Services</td>
<td>Consumer Services</td>
</tr>
</tbody>
</table>

**Principles of Education and Training (1/2 credit)**  
**Grades 9-11**
Principles of Education and Training is an introductory course. This class is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge, educational and career information to analyze various careers within the education and training cluster. Students will also gain an understanding of the basic knowledge and skills essential for success within the education and training cluster as well as be introduced to the coherent sequences of courses within this cluster. **This class is a prerequisite for Instructional Practices in Education & Training and Practicum in Education and Training (Ready, Set, TEACH II), and Child Guidance.**

**Principles of Human Services (1/2 credit)**  
**Grades 9-11**
Principles of Human Services is an introductory course. This course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student will gain knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

**Human Growth and Development (1 credit)**  
**Grades 10-12**
**Prerequisite:** Principles of Education and Training (or concurrent enrollment in both)
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 development milestones. The course covers the entire lifespan, but focuses on the early childhood and developmental years as a part of the coherent sequence of courses in the CTE Education and Training Strand.

**Family and Community Services (1/2 credit)**  
**Grades 9-12**
**Prerequisite:** Principles of Education & Training OR Principles of Human Services
This is a laboratory-based course designed to involve students in realistic and meaningful community-based activities through direct service experiences. Students are provided opportunities to interact and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational leadership, skills and characteristics through service learning opportunities.

**Instructional Practices in Education and Training - (2 credits)**  
**Grades 11-12**
**Prerequisites:** Principles of Education and Training OR Principles of Human Services
Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child development and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of an elementary teacher with knowledge of early childhood education and a secondary teacher to lead in the development of effective teaching skills and demonstration of best practices. This is a laboratory course in which students will serve as educational aides at the elementary school level during class time on a consistent/part-time schedule, which will be determined at the beginning of the course. Students in this course will be responsible for their own transportation to/from an elementary internship location within the district. **Students in this course will be able to seek industry-level certification in the area or Educational Aide or Child Development Associate (CDA).**
Practicum in Education and Training - (2 credits)  
Grades 11-12  
*WILL BE AVAILABLE FOR ENROLLMENT IN 2016-2017*  
Prerequisites: Principles of Education and Training & Instructional Practices in Education and Training. Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child development and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of an elementary teacher with knowledge of early childhood education and a secondary teacher to lead in the development of effective teaching skills and demonstration of best practices. This is a laboratory course in which students will serve as educational aides at the elementary school level during class time on a consistent/part-time schedule, which will be determined at the beginning of the course. Students in this course will be responsible for their own transportation to/from an elementary internship location within the district. **Students in this course will be able to seek industry-level certification in the area or Educational Aide or Child Development Associate (CDA).**

Child Guidance (2 credits)  
Grades 11-12  
Prerequisite: Family and Community Services and Principles of Education & Training OR Principles of Human Services  
*WILL BE AVAILABLE FOR ENROLLMENT IN 2016-2017*  
This is a technical laboratory course addressing the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen diverse society and pursue careers related to the care, guidance, and education of children, including those with special needs. Students enrolled in course will work with children in early learning centers and/or other experiences to learn the diverse nature of helping students learn. **Students in this course will be able to seek industry-level certification in the area or Educational Aide or Child Development Associate (CDA).**
The Engineering Career Cluster is designed around the PLTW (Project Lead The Way) program in which students utilize state-of-the-art curriculum and resources for in the growing fields of Engineering and STEM. The content is based on the belief that 21st Century curriculum should combine rigorous academics integrated with technical education to prepare students for secondary and postsecondary opportunities, career preparation and advancement, meaningful work, and active citizenship. The co-curricular Career & Technical Education Student Organization associated with this career cluster is TSA and/or SkillsUSA. We also sponsor a Robotics club as well which supports the learning within this area. The programs of study include:

<table>
<thead>
<tr>
<th>Engineering and Technology</th>
<th>Science and Math</th>
</tr>
</thead>
</table>

- **PLTW Intro to Engineering Design**
- **PLTW Principles of Engineering (POE)**
- **PLTW Digital Electronics**
- **Engineering Design and Development**
- **Engineering Math (Math Credit)**
- **Engineering Design and Problem Solving (Science Credit)**
Introduction to Engineering Design (1 credit) (IED)  
Grades 9-10
The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. The course of study includes the Design Process, Modeling, Sketching, Measurement, Statistics, Applied Geometry, Presentation Design and Delivery, Engineering Drawing Standards, CAD Solid Modeling, Reverse Engineering, Consumer Product Design Innovation, Marketing, Graphic Design, Engineering Ethics and Virtual Design. **College credit available for this course.

Digital Electronics (1 credit) (DE)  
Grades 9-12
Prerequisites: Introduction to Engineering Design, Digital Electronics
The purpose of this course is to develop a student’s logical thinking skills by solving problems and designing control systems. In this manner students will gain a better understanding of the digital circuits in microelectronic design, manufacturing, computer technology, and information systems. Students will use the design process by applying it to problem-solving activities and projects, develop critical thinking skills by designing and testing their own solutions, increase communication skills through design and presentation formats, and develop team building skills by working collaboratively in groups. **College credit available for this course.

Principles of Engineering (1 credit) (POE)  
Grades 9-12
Prerequisites: Introduction to Engineering Design, Digital Electronics
This introductory course explores the wide variety of careers in engineering technology and covers various technology systems and manufacturing processes. Using activities, projects, and problems, students learn first-hand how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences of technological change. **College credit available for this course.

Biotechnology Engineering (1 credit) (BE)  
Grades 10-12
The students work on relevant projects from the diverse fields of biotechnology, bioengineering, biomedical engineering and biomolecular engineering enabling them to apply and concurrently develop secondary level knowledge and skills in biology, physics, technology, and mathematics.

Engineering Design & Development - (1 credit)  
Grade 11–12
Prerequisites: Introduction to Engineering Design, Digital Electronics, and Principles of Engineering, a PLTW specialty course may be taken concurrently.
This course allows students apply what they have learned in academic and pre-engineering courses as they complete challenging, self-directed projects. Students work in teams to design and build solutions to authentic engineering problems. An engineer from the school’s partnership team mentors each student team. Students keep journals of notes, sketches, mathematical calculations and scientific research. Student teams make progress reports to their peers, mentor and instructor and exchange constructive criticism and consultation. At the end of the course, teams present their research paper and defend their projects to a panel of engineers, business leaders and engineering college educators for professional review and feedback. This course equips students with the independent study skills that they will need in postsecondary education and careers in engineering and engineering technology.
**Engineering Problem Design-Problem solving (1 science credit)**

**Grades 11-12**

**Prerequisites:** Introduction to Engineering Design, Digital Electronics

Engineering Design and Problem Solving reinforces and integrates skills learned in previous mathematics and science courses. This course emphasizes solving problems, moving from well defined toward more open ended, with real-world application. Students apply critical-thinking skills to justify a solution from multiple design options. Additionally, the course promotes interest in and understanding of career opportunities in engineering. This course is intended to stimulate students’ ingenuity, intellectual talents, and practical skills in devising solutions to engineering design problems. Students use the engineering design process cycle to investigate, design, plan, create, and evaluate solutions, at the same time; this course fosters awareness of the social and ethical implications of technological development.

**Engineering Math (1 credit)**

**Grades 11-12**

**Prerequisites:** Algebra II

Engineering Mathematics is a course where students solve and model robotic design problems. This is a CTE course and is part of the Engineering career cluster for those students interested in that field. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.
Construction Trades & Industry

A technical skill based strand that is a blend of the Architecture & Construction and Manufacturing strands. This Trade and Industry strand will focus on the transferable industry skills that will benefit students in any related field. Students will focus on the technical skills needed to be successful as they pursue careers in Architecture, Construction, Manufacturing, STEM & Robotics. Skills such as computer aided design (CAD), blueprint reading, layout & surveying, welding, metal fabrication, and construction management.

<table>
<thead>
<tr>
<th>Architecture</th>
<th>Layout Engineer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Technologies</td>
<td>STEM &amp; Robotics</td>
</tr>
<tr>
<td>Construction Management</td>
<td>Welder</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>Surveyor</td>
</tr>
</tbody>
</table>

Principles of Architecture & Construction

Principles of Manufacturing

Construction Technology

Advanced Construction Technology

Welding

Practicum in Construction Management

Advanced Welding

Practicum in Manufacturing
Principles of Architecture & Construction (1/2 credit) 
Grades 9-12
This course provides an overview to the various fields of architecture, construction science, and construction technology. Achieving proficiency in decision-making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Job-specific skills, safety, career exploration, work ethics and career specific learning is provided both in the classroom as well as in a lab setting. Students will learn about and utilize communication skills, problem solving and critical thinking, Information Technology Applications, systems analysis, safety, health, ethics, leadership, teamwork and legal responsibilities. Students receive foundational learning in technical skills such as use of hand and power tools, basic rigging, shop/blueprint reading, layout, and reading of technical drawings.

Principles of Manufacturing (1/2 credit) 
Grades 9-12
Manufacturing students in this course gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Knowledge and skills in the proper application of principles of manufacturing, the design of technology, the efficient production of technology, and the assessment of the effects of manufacturing production technology prepare students for success in the modern world. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting. In addition to general academic and technical skills, students gain an understanding of career opportunities available in manufacturing and what employers require, to gain/maintain employment in these career strands.

Construction Technology (1 credit) 
Grades 10-12
Prerequisites: Principles of Manufacturing, Principles of Architecture & Construction, or be concurrently enrolled.
Construction Technology allows students to gain knowledge and skills specifically relevant and transferable to any/all high skilled trades. Students will study general carpentry, building maintenance, supervisory roles within the industry, construction management, architecture, and engineering. Students acquire knowledge and skills in safety, tool usage, building materials, building codes, design, plan interpretation, as-buils, surveying, layout and framing, while incorporating hands-on applications and utilization of industry technologies. Students will prepare for and take the OSHA Safety Certification Exam as a part of this course.

Advanced Construction Technology (2 credits) 
Grades 11-12
Prerequisites: Principles of Architecture & Construction or Principles of Manufacturing and Construction Technology.
In Advanced Construction Technology, students gain advanced knowledge and skills specific to those needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology and are introduced to exterior and interior finish out skills as well as the processes of layout, industry materials and general fabrication/technologies used in areas such as industrial production, construction, manufacturing and robotics. Students will be taught basic first aid and CPR skills and will have the opportunity to receive their First Aid and CPR certification as a part of this course.
Welding (1 credit)  
Grades 11-12  

Prerequisites: Principles of Architecture & Construction or Principles of Manufacturing and Construction Technology.

Rapid advances in technology have created new career opportunities and demands in many industries. Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer technically specific knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, industry requirements, and expectations and the development of workplace skills prepare students for future success.

Practicum in Construction Management (2 credits)  
Grade 12  

Prerequisites: Students must have successfully completed their coherent sequence of courses and be prepared for capstone industry coursework and application.  
*WILL BE AVAILABLE FOR ENROLLMENT IN 2017-2018*

Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. *Eligible students will have the opportunity to study for and take the NCCER certification exams upon successful completion of the course.*

Advanced Welding (1 Credit)  
Grade 12  

Prerequisites: Students must have successfully completed their coherent sequence of courses and be prepared for capstone industry coursework and application.  
*WILL BE AVAILABLE FOR ENROLLMENT IN 2017-2018*

Advanced Welding builds on the technical knowledge and skills developed in Welding I. 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 in career specific applications. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. *Eligible students will have the opportunity to study for and take the Certified Welder Exam upon successful completion of the course.*

Practicum in Manufacturing (2 credits)  
Grade 12  

Prerequisites: Students must have successfully completed their coherent sequence of courses and be prepared for capstone industry coursework and application.  
*WILL BE AVAILABLE FOR ENROLLMENT IN 2017-2018*

The manufacturing practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. *Eligible students will have the opportunity to study for and take the NCCER certification exams upon successful completion of the course.*
Graphic Arts, Design and Illustration

The Graphic Design and Illustration cluster is focused on careers in designing, producing, exhibiting, and publishing multimedia content including visual arts and design, digital photography, print and media services. The Career & Technical Student Organization for this career cluster is TSA or SkillsUSA. The instructional content for this cluster is organized into six federally identified career pathways. The state of Texas has adopted the following pathways:

<table>
<thead>
<tr>
<th>Journalism &amp; Media Illustration</th>
<th>Printing Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visual Arts</td>
<td>Photography</td>
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</table>
Principles of Arts, Audio/Video Technology, & Communications (1/2 Credit)  
Grades 9-12  
Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

Graphic Design and Illustration (1 Credit)  
Grades 10-12  
**Prerequisite:** Principles of Arts, Audio/Video Technology, and Communications  
Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Animation (1 credit)  
Grades 10-12  
**Recommended Prerequisite:** Graphic Design and Illustration or Art I.  
An introduction into the field of animation. Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

Commercial Photography (1 credit)  
Grades 10-12  
**Recommended Prerequisite:** Principles of Arts, Audio/Video Technology and Communication Introduction.  
Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

Fashion Design - (1 credit)  
Grades 10-12  
**Recommended Prerequisite:** Principles of Arts, AV Production & Communications.  
Introduction into careers in fashion that span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of fashion and the textile and apparel industries.

Advanced Graphic Design and Illustration (2 Credits)  
Grades 10-12  
**Recommended Prerequisite:** Graphic Design and Illustration  
Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

Printing and Imaging Technology - (1 credit)  
Grades 10-12  
**Recommended prerequisite:** Principles of Arts, Audio/Video Technology, and Communications  
This course is an introduction into the printing and imaging technology. Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the printing industry with a focus on prepress and desktop publishing.
**Practicum in Graphic Design and Illustration** - (2 credits)  
**Grades 10-12**

**Prerequisite:** Advanced Graphic Design & Illustration

Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. **Student must provide his/her own transportation to/from the job/internship site**
FINE ARTS

ART

Art I - (1 credit)  Grades 9-12
Prerequisite: None
Art I is a study of the elements of design, line, shape, form, color, value, texture. The students will use these elements in a variety of works including: drawings, paintings and sculpture. The ability to use proportion is stressed. Different styles are explored (realistic, surrealistic, abstract, op art Pop art Dada and Fauves). Techniques in pencil, colored pencil, pen and marker as well as Art History are explored. Production work makes up 75% of the grade and Art History the other 25%.

Drawing / 2D Art II/III/IV - (1 credit each)  Grades 9-12
Prerequisite: Art I / Portfolio, Art Teacher Recommendation
Art II/III/IV is an in-depth study of the elements of design, line, shape, form, color, value, texture. The students will use these elements in a variety of works including: drawings, perspective drawing, portrait drawing, and painting with tempera, watercolor, and acrylic. Colored pencil and technical pen as well as sculpture are explored. Originality in the work is stressed. 100% of the grade is from production work. Art III / IV are studies of the elements of design, line, shape, form, color, value, and texture. The students will use these elements in a variety of works.

Sculpture II/ III / IV - (1 credit each)  Grades 9-12
Prerequisite: Art I, II, III / Portfolio and Art Teacher Recommendation
Sculpture II, III, and IV are each an in-depth study of the practical application of the Elements of Art and the Principles of Design within ones’ art. Students have the opportunity to work with a wide variety of media to create their sculptures including: clay, foam, soap, wood, wire, fabric, plaster, and stone. Originality in the work is stressed. 100% of the grade is from production work.

AP Studio Art – Sculpture - (1 credit)  Grades 10-12
Prerequisite: Art I, II, III / Portfolio and Art Teacher Recommendation
Summer Assignment: Yes
AP Sculpture is designed for the student who is seriously interested in creating a body of work that highlights their unique perspective of the world around them while developing mastery of their concepts and composition. Students have the opportunity to work with a wide variety of media to create their sculptures, including: clay, foam, soap, wood, wire, fabric, plaster, and stone. Finding one’s voice and originality in self-expression are stressed. 100% of the grade is from production work. AP credit is awarded, not based on a written exam; instead, students must submit portfolios for evaluation by a College Board panel near the end of the year.

AP Studio Art – Drawing - (1 credit)  Grades 10-12
Prerequisite: Art I, II, III / Portfolio and Art Teacher Recommendation
Summer Assignment: Yes
The AP Studio Art courses are designed for the student who is seriously interested in the practical experiences of art and wish to develop mastery in the concept and composition of their ideas. AP Studio Art is not based on a written exam; instead the students must submit portfolios for evaluation at the end of the year.

AP Studio Art – 2D (digital photography) - (1 credit)  Grades 10-12
Prerequisite: Art I, II, III or Prep-AP Art, Photography or Graphic Design and Portfolio/Recommendation
Summer Assignment: Yes
The AP Studio Art courses are designed for the student who is seriously interested in the practical experiences of art and wish to develop mastery in the concept and composition of their ideas. AP Studio Art is not based on a written exam; instead the students must submit portfolios for evaluation at the end of the year.
MUSIC

Band I/II/III/IV (Symphonic / Winds / Concert Band / Marching) - (1 credit each)  Grades 9-12
Prerequisite: Director Approval
The high school band is a musical organization designed to foster the individual growth of each student, both musically and academically, as well as promote school spirit in the community. Membership is obtained by previous instrumental experience at the intermediate and middle school levels. Musical performance in UIL events, concerts, and other band activities is a required part of the student’s responsibility in the organization. Band begins the last week in July and includes before and after school rehearsals throughout the school year. Students may substitute band for the one year physical education requirement.

Music Theory Advanced Placement - (1 credit)  Grades 9-12
Prerequisite: Previous musical background and training
Summer Assignment: Yes
The AP Music Theory course is open to all students with a background in music and a desire to expand their knowledge of composition, form, analysis, etc. Students are expected to have some experience in music as an art form and its various mediums. Ear training and aural skills are key to success in this course.

Choral Music I/II/III/IV - (1 credit)  Grades 9-12
Prerequisite: None
Students in this choir will sing at UIL contests as well as represent the school at selected activities. Students will work to develop their voices through correct breathing and vocal exercises. Students will be encouraged to participate in UIL solo/ensemble contest. There will be some outside rehearsals required.

Women’s Choir I/II/III/IV - (1 credit)  Grades 9-12
Prerequisite: None
Students in this choir will sing at UIL contests as well as represent the school at selected activities. Students will work to develop their voices through correct breathing and vocal exercises. Students will be encouraged to participate in UIL solo/ensemble contest. There will be some outside rehearsals required.

Men’s Choir I/II/III/IV - (1 credit)  Grades 9-12
Prerequisite: None
Membership in the Men’s choir will be non-auditioned; however, the minimum requirement will be that students can match pitches. Students will be required to perform at concerts.

Mixed Choir I/II/III/IV - (1 credit)  Grades 9-12
Prerequisite: None
Mixed Choir is open to those who want to be part of the choir, the minimum requirement is to have the ability to match pitches. Students are required to perform at concerts.

Show/Dance Choir I/II/III/IV - (1 credit)  Grades 9-12
Show/Dance Choir is an auditioned choir and no student will be admitted without approval of the director. This choir involves singing and dancing. Students in this choir should also be enrolled in Choral.

Piano - (1 credit)  Grades 9-12
Students will learn to read music and play the piano. Students learn to play scales, chords, and melodies. No previous experience necessary. Get the benefits of a private piano lesson and have fun while you’re learning.
BAND

Winter Guard I/II/III/IV (1 credit) Grades 9-12
Winter Guard Class is by Audition Only
An in-depth study of Movement, Equipment, and Staging. All aspects of the 3 pieces of equipment (Rifles, Flags, and Sabre) The course is for those ready to compete at the State and National Level.

DANCE

Dance I/II/III/IV - (1 credit each) Grades 9 -12
Prerequisite: None
Dance curricula are based on the TEKS and promote students’ original thinking and problem-solving skills. Students will receive instruction that helps them develop initiative, self-confidence, and creativity. Dance covers four strands: perception, creative expression/performance, historical/cultural heritage, and response/evaluation.
Fee: Cost of dance shoes and appropriate dance attire (cost may vary).

Drill Team I/II/III/IV (1 credit each) Grades 9-12
Prerequisite: Selection by tryouts and judging
Drill Team is a dance organization that meets before school, during and after school, and occasionally on Saturdays. Performances include football games, pep rallies, parades, social events, spring recital, and other activities as requested. Team may travel to compete. Any additional extra-curricular activities must not conflict with summer camp, football games, basketball games, and competitions. Students are allowed to substitute Drill Team for the one-year physical education requirement.

THEATRE

Technical Theatre I - (1 credit) Grades 9-12
Prerequisite: None
Technical Theatre I is a course for students who are interested in the behind the scenes aspects of the theatre. This course offers an introduction to designing costumes, makeup, lights, sound, scenery, and publicity. Students will be exposed to a broad range of craft and artwork as it relates to backstage jobs. This class requires artistic creativity, self-motivation and discipline.

Technical Theatre II/III/IV (1 credit each) Grades 10-12
Prerequisite: Technical Theatre I
Advanced technical theatre is for the student who is serious about working technical theatre. Students will be given hands-on experiences implementing the skills learned in Technical Theatre I. The course also offers continuing design to start building a portfolio for college admission or employment in the entertainment business.

Theatre Arts I - (1 credit) Grades 9-12
Prerequisite: None
Theatre Arts I is for the student seeking a creative learning experience to fulfill the fine arts credit. The course will enable students to develop an appreciation and understanding of the theatre. Students will learn basic acting skills as well as how to read and evaluate a script. Practical applications for this class include developing self-confidence, learning to work with others, learning how to express your self and developing a lifelong love of theatre. This class requires creativity and self-motivation. Theatre Art I students are required to attend one live performance per semester.
Theatre Arts II - (1 credit) Grades 9-12
Prerequisite: Theatre Arts I (middle or high school)
Theatre Arts II continues with a deeper study of performances and production. Students will gain experience with a wide range of playwrights and styles. Students will continue to develop acting skills, with emphasis on voice, diction and movement. Theatre Arts II students will be required to attend one LEHS theatre production per semester as well as one live performance outside of school per semester.

Theatre Arts III/IV - (1 credit each) Grades 10-12
Prerequisite: Theatre Arts II
Theatre Arts III and IV will give students an opportunity to further develop acting skills by studying the methods used by renowned actors and directors. Students will gain deeper experience with classic plays across a wide range of styles and periods. Students will prepare for college and professional auditions. The course will also cover directing and playwriting. Theatre III & IV students will be required to attend all LEHS theater productions as well as one professional theatre production outside of school during the year.

Theatre Productions – (1 credit) Grades 9-12
Prerequisite: Teacher Approval
Students in this class will have training on advanced acting theory, college audition and portfolio preparation, voice and movement skill practice, basic directing, and other advanced performance skill sets. Students in this class must demonstrate an exemplary commitment and dedication to theatre. Theatre productions students will be required to be involved in all non-competition LEHS productions and attend one professional theatre production outside of school per semester. Students in this class will be required to perform in front of the class and will also have to perform for at least one out-of-class audience. Admission is based on an audition and interview with the teacher.
HEALTH/PHYSICAL EDUCATION

NOTE: No more than four (4) credits in Physical Education or Physical Education Waiver may be used to satisfy state graduation requirements.

All students are required to successfully complete at least a half (1/2) credit health class for graduation.

The following course may be taken as a Health waiver: Health Science Tech I
The following courses may be taken as a PE waiver: Cheerleading, Marching Band, Drill Team or Athletics.

Health Education - (1/2 credit)  Grades 9-12
Prerequisite: None
Health education is concerned with the health and wellness of human beings – nutrition, proper care and maintenance of the body, first aid and safety, and making healthy decisions.

Physical Education - (1/2-1 credit)  Grades 9-12
Prerequisite: None
Students will acquire knowledge and skills for movement that provide the foundations for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student is expected to apply physiological principles to improve health-related fitness to reduce the risk of hypokinetic diseases.

Foundations of Personal Fitness
Adventure/Outdoor Education
Aerobics Activities
Team or Individual Sports
Weight Lifting (Girls)
Weight Lifting (Boys)

Cheerleading I/II/III/IV - (1/2-1 credit)  Grades 9-12
Prerequisite: Application, tryout and instructor approval required

Athletics - (1/2 - 1 credit)  Grades 9-12
Prerequisite: Coach Approval
Students enrolled in athletics are expected to develop health-related fitness and an appreciation for teamwork and fair play thus reinforcing the concept of incorporating physical activity into a lifestyle beyond high school. The following team sports are offered:

Football
Basketball
Softball
Baseball
Volleyball
Soccer
Cross Country Track
Golf
Tennis
Power lifting
Sports Medicine I / Athletic Trainer (1 credit)  
Prerequisite: Application process & Teacher Approval  
Sports Medicine I is concerned with the health and wellness of student athletes. Athletic Trainers are selected through an application process in the spring semester.

Sports Medicine II / Athletic Trainer (1 credit)  
Prerequisite: Application process & Teacher Approval  
Sports Medicine II takes the students to the next level of health and wellness of student athletes. Athletic Trainers are selected through an application process in the spring semester.
ADDITIONAL COURSES

AVID I, II, III & IV (1 credit each) Grades 9-12
Prerequisite: None
AVID is a college preparation system that prepares students academically for post-secondary eligibility and success. The course focuses on teaching students academic strategies and methods that will help them be successful in the classroom and beyond through the use of tutorials, organizational strategies and academic rigor. AVID stands for Advancement Via Individual Determination, and seeks to empower students and close the achievement gap for all.

SAT/ACT Prep Class (1/2 local credit) Grades 11-12
Prerequisite: None
The SAT/ACT Prep class is available to any Junior or Senior who wants help preparing for the SAT. Test taking skills and specific test items are emphasized for both the verbal and quantitative sub-tests.

Student Assistant (1/2 – 1 local credit) Grade 12
Prerequisite: By application with approval of Principal
Grade Average: Student assistants will receive numerical grades but grades are not computed on the student’s GPA.
The duties of an office assistant include delivering messages, answering phones, filing, duplicating, and performing other related tasks as assigned by office personnel. Student assistants approved for this area of the program will be assigned by the principal as needed to work in the Main Office, Counseling Office, House Principal’s Office, and Library.

Student Assistant - Lobo Tech Group I/II/III/IV (1/2 – 1 credit) Grade 11-12
Prerequisite: By application with approval of principal
The duties of student assistant in the Lobo Tech Group will be to support technology hardware and software needs of campus students and faculty.

Academic Decathlon I - 2 semester(s) Grade 9-12
Prerequisite: Tryouts and grades according to Academic Decathlon guidelines
Description: These courses are limited to students who are members of the Academic Decathlon team. Students will engage in extensive research on designated topics while preparing for written tests in the areas of economics, fine arts, language and literature, mathematics, science, and social studies. Students will also develop their ability to make both prepared and impromptu speeches, respond orally to interview questions, and write expressive, well-developed essays.

Academic Decathlon II - 2 semester(s) Grade 9-12
Prerequisite: Tryouts and grades according to Academic Decathlon guidelines
Description: These courses are limited to students who are members of the Academic Decathlon team. Students will engage in extensive research on designated topics while preparing for written tests in the areas of economics, fine arts, language and literature, mathematics, science, and social studies. Students will also develop their ability to make both prepared and impromptu speeches, respond orally to interview questions, and write expressive, well-developed essays.
Academic Decathlon III - 2 Semester(s)  
**Grade 9-12**  
**Prerequisite:** Tryouts and grades according to Academic Decathlon guidelines  
**Description:** These courses are limited to students who are members of the Academic Decathlon team. Students will engage in extensive research on designated topics while preparing for written tests in the areas of economics, fine arts, language and literature, mathematics, science, and social studies. Students will also develop their ability to make both prepared and impromptu speeches, respond orally to interview questions, and write expressive, well-developed essays.

Academic Decathlon IV - 2 semester(s)  
**Grades 9-12**  
**Prerequisite:** Tryouts and grades according to Academic Decathlon guidelines  
**Description:** These courses are limited to students who are members of the Academic Decathlon team. Students will engage in extensive research on designated topics while preparing for written tests in the areas of economics, fine arts, language and literature, mathematics, science, and social studies. Students will also develop their ability to make both prepared and impromptu speeches, respond orally to interview questions, and write expressive, well-developed essays. Although they will not receive any credit that counts toward graduation, students will receive honors grade points.

Student Leadership - 2 Semester(s) or 1 Semester - (Elective Credit)  
**Grade 9 - 12**  
**Prerequisite:** Election to office in Student Council or by student council participation criteria.  
**Description:** This Texas Association of Secondary School Principals leadership program is designed to inspire young people to take responsibility for the future and to teach them some of the skills they will need to succeed as leaders. Through hands-on, cooperative, long-term projects, guest speakers and school/community involvement, students will be able to master and put into practice the concepts and theories of leadership.

Peer Assistance & Leadership I (PAL) - 2 Semesters - (Elective Credit)  
**Grade: 11 - 12**  
**Prerequisite:** Students who enroll in this course must have gone through the application process and have been selected to participate. Students must also meet minimum requirements of community service hours during the school year.  
**Description:** This course provides selected students with an opportunity to be trained to work as peer facilitators with younger students on their own campus or from feeder junior high and/or elementary schools. PAL students will learn skills which will enable them to help younger students have a positive and productive school experience.

Peer Assistance & Leadership II (PAL II) - 2 Semesters - (Elective Credit)  
**Grade: 12**  
**Prerequisite:** Students who enroll in PAL II must have successfully completed PAL I, gone through the application process and been selected to participate. Students must also meet minimum requirements of community service hours during the school year.  
**Description:** PAL II class will have an increased emphasis on community service and students must perform community service individually as well as with the class. Peer Assistance and Leadership II is available to students who have completed PAL I and who have been selected for participation in PAL II during the spring semester of the previous year. This course contains elements of PAL I as well as training in Peer Mediation in order to facilitate the resolution of interstudent conflict on the high school campus.