Finding Your Passion

High School - Junior High School - Middle School

FOR MOST CURRENT INFORMATION VISIT:
LCISD.org or Students & Parents: Secondary Handbook & Policies or HB5 Information
This publication includes course selections for all Lamar CISD students in grades six through twelve.

This format is designed to show the “big picture” of LCISD’s course offerings throughout the secondary grades to students and parents. Effective course planning is no longer a one-year-at-a-time process. Students are encouraged to work with their parents and counselor to develop a six-year plan to ensure that they earn the credits necessary for high school graduation. For your convenience in finding information, a table of contents is provided.

To help you understand exactly what you will need to graduate, your counselor will provide you with special information in addition to this guide. Questions about planning the high school schedule should be referred to the counselor. The State Board of Education may make revisions in the law, which will result in changes to this guide.

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Your High School Years
This guide is designed to help you select courses that you will take in high school. All programs have been developed with the philosophy that excellence in education is equally important for all students. The programs are designed to allow each student, regardless of interest or ability, to pursue a course of study that is appropriate to meet present and future needs.

Your high school education, whether you are preparing for work or college, is influenced by your selection of courses and by the application of your abilities. A major part of your school work consists of fundamentals that you will need all of your life. Gaining admission to college or any post-secondary educational institution, including business school, technical institute, or proprietary school is competitive. Although colleges vary greatly in their specific entrance requirements, admission is based on the applicant’s rank in class, the types of courses taken, test scores, participation in activities and recommendations from teachers and counselors. In order to do effective work in college, it is essential that all students have the following competencies: reading, writing, speaking and listening, mathematics, reasoning and study skills, as well as skills in interacting with others in teams or groups.

Students who are planning to enter the work force immediately after graduation should realize that today’s job market is very competitive. In order to gain employment and remain employed, all students need academic competencies in reading, writing, speaking and listening, mathematics, reasoning and study skills, as well as technical skills, mechanical skills and interacting appropriately with others in the work force.

Please use this catalog as a source of information and as an aid in preparing your school program. Your counselor and college/career facilitator will answer any questions that you may have about a particular area or help you gather information that is not currently available in this guide.

PLANNING YOUR SCHEDULE
Students in grades 9–12 in LCISD are provided a comprehensive set of course offerings that cover the essential knowledge and skills mandated by the Texas Education Agency. Courses are offered as Academic/On-Grade Level (not labeled in catalog), Pre-Advanced Placement (PAP), Advanced Placement (AP), Dual Credit (D), Special Education or Local Credit (L).

Academic/On-Grade Level courses are developed from the district curriculum, which is based on the Texas Essential Knowledge and Skills required by the Texas Education Agency for all students. These courses, while being presented at a concrete level, address critical thinking, interact with concept-based subject matter and develop and improve oral and written communication skills in a variety of formats. Emphasis is placed on developing communication skills for students to be successful in post-high school education or employment training or employment situations. Please see Class Rank/Weighted Grades for specific grade weights.

Pre-Advanced Placement (PAP) courses are more complex and abstract. The courses emphasize the academic study and performance skills to help prepare or continue the advanced learner to successfully complete the Advanced Placement (AP) classes in that subject area. LCISD students who attended Middle and/or Junior High School in this district will continue the higher level skill building that they previously experienced in the four core subject areas. Please see Class Rank/Weighted Grades for specific grade weights. Pre-AP courses may require summer reading. See campus website for details.

Advanced Placement (AP) classes cover the breadth of information, skills, and assignments found in corresponding college courses and meet peer-review standards set by top educators in conjunction with the College Board. AP classes prepare students to take College Board Advanced Placement tests that may make them eligible to receive college credit. Please see Class Rank/Weighted Grades for specific grade weights. AP courses may require summer reading. See campus website for details. All students enrolled in Advanced Placement are expected to take the AP exams.

Special Education courses are provided. The essential knowledge and skills for each course are modified by Admissions, Review and Dismissal (ARD) committee action to address the needs of students.

Local Credit (L) courses are developed to meet unique district needs and are approved by the Lamar CISD Board of Trustees. These courses cannot be applied toward the state-mandated number of credit requirements for graduation.
**Dual College Courses**

Dual credit offers LCISD high school students the opportunity to receive credit for both high school and college courses. No high school 1/2 credit will be awarded for full year Dual credit courses without campus committee approval. See the school counselor for course offerings, applications, requirements, fees and deadlines to enroll in a dual or concurrent course offered through LCISD. Beginning the 2018-2019 school year entering Freshman who take a Dual Credit course will receive the same grade weight as an AP (Advanced Placement) course. Please see Class Rank/Weighted Grades for specific grade weights.

Post-secondary institutions offering Dual credit to LCISD students are:

- **WCJC**
- **TSTC**
- **On RAMPS**

The University of Texas. Students meeting the "college ready" standards of the course after the first semester will have the opportunity to earn both high school and college credit during the spring semester.

- **Lone Star College**
  - Lone Star College requires a minimum grade of a 70 as a semester average to remain enrolled in the Spring semester of a full year course.
  - If a student earns a 70 or above the Fall semester in a Lone Star College Dual Credit course, and earns a grade below a 70 in the Spring semester of that same course LCISD will grade average the two semesters for high school credit ONLY if applicable.
  - Grade averaging does NOT apply to the college credit earned through Lone Star College.

Lamar CISD and Lone Star College have entered into an agreement allowing students who meet specified criteria to earn both high school credit and college credit for specific high school courses. Please see your counselor for dual credit eligibility requirements and course availability. **Not all Dual Credit courses are offered at all campuses.**

A student who meets the following criteria is eligible to apply for the opportunity to earn high school credit through college courses:

- Students must have successfully completed pre-requisite courses as identified by district guidelines.
- The student must have acceptable scores on college placement exams or alternative assessments. The Dual Credit Campus Counselors, College & Career Facilitators, and the Director of Advanced Studies will have this information as well as an updated list of dual credit courses.
- The student must have completed a Lone Star College admissions application and received prior approval from a member of the campus dual credit team.
- The student must have received approval for college admission through the exceptional admissions process completing all enrollment paperwork required by the college.
- Specific requirements and procedures are available in the campus Counseling Office or from campus College & Career Facilitator.

**LONE STAR/ LCISD DUAL CREDIT**

Not all Dual Credit courses are offered at every LCISD campus

<table>
<thead>
<tr>
<th>ENGLISH</th>
<th>Grade Level</th>
<th>High School Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301/1302</td>
<td>11-12</td>
<td>English III (1 credit) Or English IV (1 credit)</td>
</tr>
<tr>
<td>ENGL 2322/2323</td>
<td>12</td>
<td>English IV (1 credit)</td>
</tr>
</tbody>
</table>

Note:

- Tuition is waived by Lone Star College.
- Students are responsible for all required fees.
- Students are responsible for purchasing associated college textbooks and/or course materials.

A high school student may earn dual credit toward high school graduation and college credit through successful completion of approved college courses. A student who may take college-only courses will be awarded credit toward graduation only if he/she obtains prior approval from the appropriate district and/or campus personnel.
### MATH

<table>
<thead>
<tr>
<th>Dual Credit Course</th>
<th>Grade Level</th>
<th>High School Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics-MATH 1342</td>
<td>11-12</td>
<td>Statistics (full year)</td>
</tr>
<tr>
<td>Trigonometry-MATH 1316</td>
<td>11-12</td>
<td>Pre-Calculus – Fall Semester (.5 credit)</td>
</tr>
<tr>
<td>College Algebra-MATH 1314</td>
<td>11-12</td>
<td>Independent Study in Math (College Algebra) (full year)</td>
</tr>
<tr>
<td>Pre-Calculus-MATH 2412</td>
<td>11-12</td>
<td>Pre-Calculus – Spring Semester (.5 credit)</td>
</tr>
<tr>
<td>Calculus I-MATH 2413</td>
<td>11-12</td>
<td>Calculus AB – 1 credit</td>
</tr>
<tr>
<td>Calculus I-MATH 2413</td>
<td>11-12</td>
<td>Calculus BC A – Fall Semester .5 credit</td>
</tr>
<tr>
<td>Calculus II-MATH 2414</td>
<td>11-12</td>
<td>Calculus BC B – Spring Semester .5 credit</td>
</tr>
</tbody>
</table>

### SOCIAAL STUDIES

<table>
<thead>
<tr>
<th>Dual Credit Course</th>
<th>Grade Level</th>
<th>High School Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>US History-HIST 1301/1302</td>
<td>11-12</td>
<td>United States History (1 credit)</td>
</tr>
<tr>
<td>Government-GOVT 2305</td>
<td>11-12</td>
<td>Government (.5 credit)</td>
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<tr>
<td>Economics-ECON 2301</td>
<td>11-12</td>
<td>Economics (.5 credit)</td>
</tr>
<tr>
<td>Psychology-PSYC 2301</td>
<td>11-12</td>
<td>Psychology (.5 credit)</td>
</tr>
</tbody>
</table>

*Courses will also be noted under each Core Content area within the Course Catalog, along with course prerequisites.*

### Concurrent Courses
Concurrent Courses provide credit for college only and do not affect high school credit or GPA in any way. Courses offered by the district will vary depending on student demand. A student will not be allowed to go off campus during the school day for a college course that is offered by LCISD. If a student chooses to take a course off campus that is not offered by LCISD, the student will be allowed off campus only the periods necessary to attend a class.

### CREDIT BY EXAMINATION
Under specific criteria, a student may take an examination to obtain credit for a course. The student must receive a score of 80 percent or more on a competency test with no prior instruction, and a score of 70 percent in a course with prior instruction. School counselors have complete information about this program [Board Policies EHDB (Local), EHDC (Local)].

### NCAA ATHLETICS
Students who are interested in participating in an athletic scholarship in a National Collegiate Athletic Association (NCAA) Division I or Division II college must complete a specified core curriculum in addition to other requirements. See [www.eligibilitycenter.org](http://www.eligibilitycenter.org) for more information.

### THREE YEAR PLAN
(Early High School Graduation)
Students may choose to complete graduation requirements in less than four years. Students must contact their school counselor and complete the required documentation by the conclusion of their second year in high school to be eligible. In addition, students graduating in three years must complete the 26 credit requirement to include earning an Endorsement.
5.0 GRADE WEIGHTS FOR STUDENTS ENTERING HS PRIOR TO 2018-2019
For the purposes of college and scholarship applications high schools will calculate GPA using the 5.0 weighted scale below.

All High School Credit Courses:
5.0 GPA SCALE

<table>
<thead>
<tr>
<th></th>
<th>100-90</th>
<th>89-80</th>
<th>79-70</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Courses</td>
<td>5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Dual/ Articulated</td>
<td>4.75</td>
<td>3.75</td>
<td>2.75</td>
</tr>
<tr>
<td>PAP</td>
<td>4.50</td>
<td>3.50</td>
<td>2.50</td>
</tr>
<tr>
<td>Academic</td>
<td>4.25</td>
<td>3.25</td>
<td>2.25</td>
</tr>
<tr>
<td>Leveled Academic</td>
<td>4</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

Example:
Course        Grade | Points Earned
---            ---         ---
AP Biology 88 4        88 x 4 = 352
US History Dual 88 3.75  88 x 3.75 = 330.5
Algebra II PAP 88 3.50  88 x 3.50 = 310
English IV 88 3.25 88 x 3.25 = 286

Total points earned divided by (4) classes = GPA
14.50 divided by (4) = 3.62 GPA

NUMERICAL GRADE WEIGHTS
For the purposes of Class Rank a numerical multiplier will be applied as follows below to calculate a student’s GPA. Calculation of students’ official class rank is governed by Policy EIC (Local).

AP Courses 1.3 Multiplier
Dual/ PAP/Articulated 1.2 Multiplier
Academic 1.1 Multiplier
Leveled Academic 1.0 Multiplier

Example:
Course        Grade x Multiplier | Points Earned
---            ---                 ---
AP Biology 88 x 1.3 = 114.4
US History Dual 88 x 1.2 = 105.6
Algebra II PAP 88 x 1.2 = 105.6
English IV 88 x 1.1 = 96.8

Total points earned divided by (4) classes = GPA
422.40 divided by (4) = 105.60 Wgt. Numerical GPA

Weighted numerical GPA will determine class rank.

5.0 GRADE WEIGHTS FOR STUDENTS ENTERING HS 2018-2019 & BEYOND
For the purposes of college and scholarship applications high schools will calculate GPA using the 5.0 weighted scale below.

All High School Credit Courses:
5.0 GPA SCALE

<table>
<thead>
<tr>
<th></th>
<th>100-90</th>
<th>89-80</th>
<th>79-70</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Courses</td>
<td>5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Articulated</td>
<td>4.75</td>
<td>3.75</td>
<td>2.75</td>
</tr>
<tr>
<td>PAP</td>
<td>4.50</td>
<td>3.50</td>
<td>2.50</td>
</tr>
<tr>
<td>Academic</td>
<td>4.25</td>
<td>3.25</td>
<td>2.25</td>
</tr>
<tr>
<td>Leveled Academic</td>
<td>4</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

Example:
Course        Grade | Points Earned
---            ---         ---
AP Biology OR Dual Physics 88 x 1.3 = 114.4
CTE Articulated Course 88 x 3.75 = 330.5
Algebra II PAP 88 x 3.50 = 310
English IV 88 x 3.25 = 286

Total points earned divided by (4) classes = GPA
14.50 divided by (4) = 3.62 GPA

NUMERICAL GRADE WEIGHTS
For the purposes of Class Rank a numerical multiplier will be applied as follows below to calculate a student’s GPA. Calculation of students’ official class rank is governed by Policy EIC (Local).

AP Courses/Dual 1.3 Multiplier
Articulated/PAP 1.2 Multiplier
Academic 1.1 Multiplier
Leveled Academic 1.0 Multiplier

Example:
Course        Grade x Multiplier | Points Earned
---            ---                 ---
AP Biology OR Dual Physics 88 x 1.3 = 114.4
CTE Articulated Course 88 x 1.2 = 105.6
Algebra II PAP 88 x 1.2 = 105.6
English IV 88 x 1.1 = 96.8

Total points earned divided by (4) classes = GPA
422.40 divided by (4) = 105.60 Wgt. Numerical GPA

Weighted numerical GPA will determine class rank.
SCHOLASTIC AWARDS POLICY FG LOCAL

Scholastic awards that may be given in the secondary schools include:

Valedictorian – To be eligible for this award, a student shall have completed the last three semesters in the same high school within the District prior to the semester he or she plans to graduate. A student shall also be initially and continuously enrolled as a full-time student during this time period earning a minimum of 2.5 credits each semester. A student who fails to meet the criteria is not eligible to be valedictorian. The student with the highest weighted numerical average at the end of the fifth six-week period of the spring semester in which he or she is eligible to graduate shall be declared the valedictorian. In order to be included in the class rank calculation, all grades earned from any source outside of the District must be received by the last day of the second grading period of the spring semester. [See EIC (Local) on class ranking] No other consideration shall be given in determining this award except in the case of a tie, when students may be declared co-valedictorians.

Salutatorian – To be eligible for this award, a student shall have completed the last three semesters in the same high school within the District prior to the semester he or she plans to graduate. A student shall also be initially and continuously enrolled as a full-time student during this time period earning a minimum of 2.5 credits each semester. A student who fails to meet the criteria is not eligible to be salutatorian. The student with the second highest weighted numerical average at the end of the fifth six-week period of the spring semester in which he or she is eligible to graduate shall be declared the salutatorian. In order to be included in the class rank calculation, all grades earned from any source outside of the District must be received by the last day of the second grading period of the spring semester. [See EIC (Local) on class ranking] No other consideration shall be given in determining this award except in the case of a tie, when students may be declared co-salutatorians.

Honor Graduates – The top ten percent of the graduating class, as determined by a weighted numerical average, shall receive an appropriate award denoting their academic excellence and designating them as honor graduates. In order to be included in the class rank calculation, all grades earned from any source outside of the District must be received by the last day of the fifth six weeks. [See EIC (Local) on class ranking]. In the event of a tie, all students involved in the tie shall be designated as honor graduates.

SIX YEAR PLAN

Students will begin developing their six-year plan in sixth grade. Exploring the 16 Career Clusters, students gain the tools for informed decisions regarding future course selection. A student’s course of study may include courses or selections from more than one level.
Substitute Assessments Standards

### ACT Substitute Assessments

<table>
<thead>
<tr>
<th>Substitute Assessment</th>
<th>STAAR Algebra I</th>
<th>STAAR Biology</th>
<th>STAAR English I</th>
<th>STAAR English II</th>
<th>STAAR U.S. History</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Assessment</td>
<td>Passing Score</td>
<td>Assessment</td>
<td>Passing Score</td>
<td>Assessment</td>
</tr>
<tr>
<td><em><em>ACT^</em> —</em>* June 2015 and Before</td>
<td>Mathematics</td>
<td>22</td>
<td>Science</td>
<td>23</td>
<td>Reading</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Combined English/Writing</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Reading</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Combined English/Writing</td>
</tr>
<tr>
<td><em><em>ACT^</em> —</em>* September 2015 and After</td>
<td>Mathematics</td>
<td>22</td>
<td>Science</td>
<td>23</td>
<td>Reading</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
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<tr>
<td><strong>Aspire 9</strong></td>
<td>Mathematics</td>
<td>428</td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Aspire 10</strong></td>
<td>Mathematics</td>
<td>432</td>
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<td></td>
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<tr>
<td><strong>PLAN</strong></td>
<td>Mathematics</td>
<td>19</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

^ An approved ACT Reading/English or Reading/Combined English and Writing assessment may be used in place of either the STAAR English I EOC or the STAAR English II EOC, but not both.
* To use the ACT as a substitute for the STAAR English I EOC or the STAAR English II EOC, a student must have taken the ACT reading and the optional writing assessment.
## SAT Substitute Assessments

<table>
<thead>
<tr>
<th>Substitute Assessment</th>
<th>STAAR Algebra I</th>
<th>STAAR Biology</th>
<th>STAAR English I</th>
<th>STAAR English II</th>
<th>STAAR U.S. History</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Assessment</td>
<td>Passing Score</td>
<td>Assessment</td>
<td>Passing Score</td>
<td>Assessment</td>
</tr>
<tr>
<td>PSAT 9 — October 2015 and After</td>
<td>Mathematics</td>
<td>450</td>
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<td>Evidence-Based Reading and Writing</td>
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<tr>
<td>PSAT 10 — October 2015 and After</td>
<td>Mathematics</td>
<td>480</td>
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<td>Evidence-Based Reading and Writing</td>
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<tr>
<td>PSAT NMSQT — October 2015 and After</td>
<td>Mathematics</td>
<td>510</td>
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<td>Evidence-Based Reading and Writing</td>
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<tr>
<td>PSAT — 2014 and Before</td>
<td>Mathematics</td>
<td>47</td>
<td></td>
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</tr>
<tr>
<td>SAT^ — Administered March 2016 and After</td>
<td>Mathematics</td>
<td>530</td>
<td></td>
<td>Evidence-Based Reading and Writing</td>
<td>480</td>
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<tr>
<td>SAT^* — Administered January 2016 and Before</td>
<td>Mathematics</td>
<td>500</td>
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<td>Critical Reading Writing</td>
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<tr>
<td>SAT Subject Tests</td>
<td>Math Level 1 or Level 2</td>
<td>600</td>
<td>Biology-E or Biology-M</td>
<td>500</td>
<td>U.S. History</td>
</tr>
</tbody>
</table>

^ An approved SAT Evidence-Based Reading and Writing or Reading/Writing assessment may be used in place of either the STAAR English I EOC or the STAAR English II EOC, but not both.

* To use the SAT administered in January 2016 or earlier, a student must have taken both the SAT Critical Reading and Writing assessments.
## AP, IB, and TSI Substitute Assessments

<table>
<thead>
<tr>
<th>Substitute Assessment</th>
<th>STAAR Algebra I</th>
<th>STAAR Biology</th>
<th>STAAR English I</th>
<th>STAAR English II</th>
<th>STAAR U.S. History</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Assessment</td>
<td>Passing Score</td>
<td>Assessment</td>
<td>Passing Score</td>
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</tr>
<tr>
<td>AP</td>
<td>Biology</td>
<td>3</td>
<td>English Language and Composition</td>
<td>3</td>
<td>English Language and Composition</td>
</tr>
<tr>
<td>IB*</td>
<td>Biology</td>
<td>4</td>
<td>Language A: Language and Literature</td>
<td>4</td>
<td>Language A: Language and Literature</td>
</tr>
<tr>
<td>TSI**</td>
<td>Mathematics</td>
<td>***</td>
<td>Reading</td>
<td>***</td>
<td>Reading</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Objective Writing/Sentence Skills</td>
<td>350</td>
<td>Objective Writing/Sentence Skills</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Writing</td>
<td>5</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Reading</td>
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<td>Reading</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Objective Writing/Sentence Skills</td>
<td>350</td>
<td>Objective Writing/Sentence Skills</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Writing</td>
<td>5</td>
<td>Writing</td>
</tr>
</tbody>
</table>

* The set passing score for the IB substitute assessments applies to both Standard Level and Higher Level examinations.

** The TSI English language arts assessment may only be used to fulfill both the STAAR English I EOC and the STAAR English II EOC requirements in those cases described by subsection (d)(1) of this section. In all other cases, an approved substitute assessment may be used in place of only one specific STAAR EOC assessment.

*** A student must meet the score indicating readiness to enroll in entry-level freshman coursework on the TSI assessment as specified in §4.57(a) of this title (relating to College Ready and Adult Basic Education (ABE) Standards).
## Foundation High School Plan*

### English Language Arts

<table>
<thead>
<tr>
<th>Four Credits:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• English I, II, III</td>
</tr>
<tr>
<td>English I and II for Speakers of Other Languages may be substituted for English I and II only for students with limited English proficiency who are at the beginning or intermediate levels of English language proficiency.</td>
</tr>
<tr>
<td>• Additional English credit from:</td>
</tr>
<tr>
<td>o English IV</td>
</tr>
<tr>
<td>o Creative Writing</td>
</tr>
<tr>
<td>o Humanities</td>
</tr>
<tr>
<td>o Literary Genres</td>
</tr>
<tr>
<td>o Research &amp; Technical Writing</td>
</tr>
<tr>
<td>o College Preparatory English</td>
</tr>
<tr>
<td>o Business English</td>
</tr>
<tr>
<td>o Oral Interpretation III</td>
</tr>
<tr>
<td>o Debate III</td>
</tr>
<tr>
<td>o Independent Study in Speech</td>
</tr>
<tr>
<td>o Independent Study in Journalism</td>
</tr>
<tr>
<td>o Advanced Broadcast Journalism III</td>
</tr>
<tr>
<td>o Advanced Journalism: Newspaper III</td>
</tr>
<tr>
<td>o Advanced Journalism: Yearbook III</td>
</tr>
<tr>
<td>o AP English Literature &amp; &amp; Composition</td>
</tr>
</tbody>
</table>

### Math

<table>
<thead>
<tr>
<th>Three Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Algebra</td>
</tr>
<tr>
<td>• Geometry</td>
</tr>
<tr>
<td>• Additional Mathematics credit from:</td>
</tr>
<tr>
<td>o Mathematical Models with Applications</td>
</tr>
<tr>
<td>o Digital Electronics</td>
</tr>
<tr>
<td>o Algebra II</td>
</tr>
<tr>
<td>o Precalculus</td>
</tr>
<tr>
<td>o Advanced Quantitative Reasoning</td>
</tr>
<tr>
<td>o Independent Study in Math</td>
</tr>
<tr>
<td>o AP Statistics</td>
</tr>
<tr>
<td>o AP Calculus AB</td>
</tr>
<tr>
<td>o AP Calculus BC</td>
</tr>
<tr>
<td>o AP Computer Science A</td>
</tr>
<tr>
<td>o Engineering Mathematics</td>
</tr>
<tr>
<td>o Statistics and Business Decision Making</td>
</tr>
<tr>
<td>o Accounting II</td>
</tr>
</tbody>
</table>

### Science

<table>
<thead>
<tr>
<th>Three Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Biology</td>
</tr>
<tr>
<td>• One Additional Science credit from:</td>
</tr>
<tr>
<td>o Integrated Physics and Chemistry (IPC)</td>
</tr>
<tr>
<td>o Chemistry</td>
</tr>
<tr>
<td>o AP Chemistry</td>
</tr>
<tr>
<td>o Physics</td>
</tr>
<tr>
<td>o Principles of Technology</td>
</tr>
<tr>
<td>o AP Physics-C</td>
</tr>
<tr>
<td>• Additional Science Credit</td>
</tr>
<tr>
<td>o Chemistry</td>
</tr>
<tr>
<td>o Physics</td>
</tr>
<tr>
<td>o Aquatic Science</td>
</tr>
<tr>
<td>o Astronomy</td>
</tr>
<tr>
<td>o Earth and Space Science</td>
</tr>
<tr>
<td>o Environmental Systems</td>
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<tr>
<td>Course Options</td>
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<tr>
<td>----------------</td>
</tr>
<tr>
<td>AP Biology</td>
</tr>
<tr>
<td>AP Chemistry</td>
</tr>
<tr>
<td>AP Physics C</td>
</tr>
<tr>
<td>AP Environmental Science</td>
</tr>
<tr>
<td>Advanced Animal Science</td>
</tr>
<tr>
<td>Anatomy and Physiology</td>
</tr>
<tr>
<td>Medical Microbiology</td>
</tr>
<tr>
<td>Food Science</td>
</tr>
<tr>
<td>Forensic Science</td>
</tr>
<tr>
<td>Principles of Technology</td>
</tr>
<tr>
<td>Scientific Research and Design</td>
</tr>
<tr>
<td>Engineering Design &amp; Problem Solving</td>
</tr>
<tr>
<td>Engineering Science</td>
</tr>
<tr>
<td>Advanced Plant &amp; Soil Science</td>
</tr>
</tbody>
</table>

**Social Studies**  
**Three Credits**  
- World Geography or World History  
- US History  
- US Government (1/2 credit)  
- Economics (1/2 credit)

**Physical Education**  
**One Credit**

**L.O.T.E.**  
**Two Credits** (In the same language)

**Fine Arts**  
**One Credit**

**Electives**  
**Five Credits**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>22 credits</td>
</tr>
</tbody>
</table>

**FOUNDATION HIGH SCHOOL PLAN + ENDORSEMENT**  
Requires Foundation High School Program Plan plus 4 additional credits  
(one additional math including Algebra II, one additional science, and two additional electives)  
Total 26 credits

- **Additional math credit** selected from:  
  - Algebra II (required if not taken previously)  
  - Precalculus  
  - Advanced Quantitative Reasoning  
  - Independent Study in Math  
  - AP Statistics  
  - AP Calculus AB  
  - AP Calculus BC  
  - AP Computer Science A  
  - Engineering Mathematics  
  - Statistics and Business Decision Making  
  - College Preparatory Math  
  - Accounting II

- **Additional science credit** selected from:  
  - Chemistry  
  - Physics  
  - Aquatic Science  
  - Astronomy  
  - Earth and Space Science

- Environmental Systems  
- Medical Microbiology  
- Food Science  
- Forensic Science  
- Principles of Technology  
- Scientific Research and Design  
- Engineering Design and Problem Solving  
- Engineering Science  
- AP Biology  
- AP Chemistry  
- AP Physics C  
- AP Environmental Science  
- Advanced Animal Science  
- Anatomy and Physiology  
- Advanced Plant & Soil Science

- Two additional elective credits
Distinguished Level of Achievement Plan

In LCISD this plan has the same requirements as the Foundation High School Plan Plus Endorsement.

**A student must earn distinguished level of achievement to be eligible for top 10% automatic admission.**

Performance Acknowledgments

1) A student may earn a performance acknowledgment on the student’s transcript for outstanding performance in a dual credit course by successfully completing:

   a) At least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade equivalent of 3.0 or higher on a scale of 4.0; or
   
   b) An associate degree while in high school.

2) A student may earn a performance acknowledgment on the student’s transcript for outstanding performance in bilingualism and biliteracy as follows:

   a) A student may earn a performance acknowledgment by demonstrating proficiency in accordance with local school district grading policy in two or more languages by:
      1) completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and
      2) satisfying one of the following:
         (a) completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
         (b) demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
         (c) completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or
         (d) demonstrated proficiency in one or more languages other than English through one of the following methods:
            (i) a score of 3 or higher on a College Board Advanced Placement examination for a language other than English; or
            (ii) performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.
   
   b) In addition to meeting the requirements of paragraph (a) of this subsection, to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have:
      1) participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and
      2) scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

3) A student may earn a performance acknowledgment on the student’s transcript for outstanding performance on a College Board Advanced Placement test or International Baccalaureate examination by earning a score of 3 or above on a College Board Advanced Placement examination.
4) Student may earn a performance acknowledgment on the student’s transcript for outstanding performance on the PSAT®, the ACT Aspire™, the SAT®, or the ACT® by:

a) earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation;

b) achieving the college readiness benchmark score on at least two of the four subject tests on the ACT Aspire™ examination;

c) earning scores of at least 1310 SAT® or

d) earning a composite score on the ACT® examination of 28 (excluding the writing sub score).

5) A student may earn a performance acknowledgment on the student's transcript for earning a nationally or internationally recognized business or industry certification or license as follows:

a) A student may earn a performance acknowledgment with:
   1) performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
   2) performance on an examination sufficient to obtain a government-required credential to practice a profession.

b) Nationally or internationally recognized business or industry certification shall be defined as an industry validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional, or government entity representing a particular profession or occupation that is issued by or endorsed by:
   1) a national or international business, industry, or professional organization;
   2) a state agency or other government entity; or
   3) a state-based industry association.

c) Certifications or licensures for performance acknowledgements shall:
   1) be age appropriate for high school students;
   2) represent a student's substantial course of study and/or end-of-program knowledge and skills;
   3) include an industry recognized examination or series of examinations, an recognized examination or series of examinations, an industry validated skill test, or demonstrated proficiency through documented, supervised field experience; and
   4) represent substantial knowledge and multiple skills needed for successful entry into a high-skill occupation.
In planning your high school program you will need to consider courses that seem interesting to you and support your future career choices. You will need to know about education required for careers that are of interest to you. Lamar CISD is committed to providing all students with the foundation to be successful in any career choice. With the rapid changes in information and technology, many of the careers our students will be employed in have not yet been developed. Select your courses wisely to help prepare yourself for the challenges of the 21st century jobs.

TRANSITIONING TO HIGH SCHOOL & CAREER PLANNING

Planning for high school course selection will be an important step for students. You will be meeting new students, teachers, principals and other faculty members. Most likely, you will have to learn about the rules of a new school, find your way around a larger building, and have more independence and more choices for activities. You will find that you will be expected to take more responsibility for your decisions, schoolwork, and actions.

An important part of your responsibilities in high school will be to choose and take courses that prepare you for post-secondary educational opportunities and/or career choices. Remember, your high school program and your success in it will affect what you may do after you graduate.

THINK ABOUT YOUR FUTURE

Perhaps you have already begun to think about what to do after high school. You may be considering going to college, or attending another type of school or training/technical school. You may be considering preparation for a job or military service. You have many opportunities to consider; not everyone is at the same point in their decision making process.

MANY CAREERS REQUIRE EDUCATION AFTER HIGH SCHOOL

You do not have to make a final decision now about your plans after high school. You are still growing and changing. You may need time to explore many possibilities before deciding what you will do. You will, however, have to choose a high school program of studies. In choosing your program, it is important to remember that many careers require a college education or further technical training after high school.

WHO CAN HELP YOU CHOOSE YOUR PROGRAM OF STUDIES?

Your parents may be your best advisers in choosing a high school program of studies. They understand your personality and abilities. They know your interests, likes, dislikes and strengths. They can also share things they have learned from their own education and work which can help you in making decisions. After you and your parents have read this Course Planning Guide, discuss with them your thoughts and concerns about high school and your future.

Your school counselor can assist you to better understand your goals, high school programs and careers. You are encouraged to utilize the career planning tools available beginning in 6th grade--In 6th grade LCISD students will use the XELLO program and participate in career exploration activities and interest inventories in preparation for choosing your junior high and high school plan of study. These resources are web-based and available for both students and parents. In junior high you will work with your counselor and College & Career Facilitator utilizing XELLO program as well to help determine what Endorsement is the best fit and mapping out your 6 Year Plan. In high school you meet with your Counselor and College & Career Facilitator ever year to continue career exploration, assistance with applying to colleges or technical schools or whatever the next step may be. In addition, your College & Career Facilitator can help answer questions about scholarships and financial aid.

You may obtain ideas from your teachers, relatives and friends. There may be some careers that seem interesting to you; if there are, talk with people in those careers to get information for planning your program of study.
Endorsement Requirements

STEM
Science, Technology, Engineering & Math
A STEM Endorsement requires completion of the FHSP Plus Endorsement including Algebra II, Chemistry, Physics or Principles of Technology and one of the following:

- A coherent sequence of 4 CTE credits, including:
  at least 2 courses in the same career cluster, and
  at least 1 advanced CTE course that is the 3rd course or higher in a sequence related to STEM
  OR
- A coherent sequence of 4 credits in Computer Science
  OR
- Successful completion of 2 additional math courses for which Algebra II is a prerequisite
  OR
- Successful completion of 2 additional science credits beyond Biology, Chemistry and Physics or Principles of Technology
  OR
- A cross-disciplinary study of science and math, including 3 credits from a combination of courses chosen from no more than two of the categories bulleted above.

Business & Industry
A Business & Industry Endorsement requires completion of the FHSP Plus Endorsement and one of the following:

- A coherent sequence of 4 CTE credits, including:
  at least 2 courses in the same career cluster, and
  at least 1 advanced CTE course that is the 3rd course or higher in a sequence in one of the following career clusters:
  ➢ Agriculture, Food & Natural Resources
  ➢ Architecture & Construction
  ➢ Arts, AV Technology & Communications
  ➢ Business Management & Administration
  ➢ Hospitality & Tourism
  ➢ Information Technology
  ➢ Manufacturing
  ➢ Marketing
  ➢ Transportation, Distribution & Logistics
  OR
- Four (4) English Language Arts elective credits, including
  3 levels in one of the following areas:
  ➢ Broadcast Journalism
  ➢ Newspaper
  ➢ Yearbook
  ➢ Debate
  OR
- A coherent sequence of four credits from the above outlined clusters or ELA as listed.

MULTIDISCIPLINARY STUDIES
A Multidisciplinary Studies Endorsement requires completion of the FHSP Plus Endorsement and one of the following:

- Four (4) additional advanced courses, from within one endorsement area or from various endorsement areas, that prepare the student to either successfully enter post-secondary education without the need for remediation or successfully enter the workforce
- Four (4) credits in each of the four foundation subject areas of English Language Arts, Math, Science and Social Studies, including traditional English IV option (Academic, AP or Dual Credit) and Chemistry and/or Physics
- Four (4) credits in AP or Dual Credit selected from the English Language Arts, Math, Science, Social Studies, Language Other Than English, or Fine Arts.

PUBLISHER SERVICE
A Public Service Endorsement requires completion of the FHSP Plus Endorsement and one of the following:

- A coherent sequence of 4 CTE credits including:
  at least 2 courses in the same career cluster, and
  at least 1 advanced CTE course that is the 3rd course or higher in a sequence in one of the following career clusters:
  ➢ Health Science
  ➢ Education & Training
  ➢ Law Enforcement
- JROTC (Junior Reserve Officer Training Corps)

ARTS & HUMANITIES
A Arts & Humanities Endorsement requires completion of the FHSP Plus Endorsement and one of the following:

- Five (5) Social Studies Credits
- Four (4) levels/credits of the same language in a language other than English (LOTE)
- Two (2) levels/credits of one language other than English and 2 levels/credits of a different language other than English
- A coherent sequence of 4 credits in Fine Arts from one or two Fine Arts disciplines of Art, Dance, Music or Theatre
- Four English elective credits, selected from English IV, Independent Study English, Literary Genres, Creative Writing, Research & Technical Writing, Humanities, and AP English Literature & Composition.

LCISD Endorsement Flow Charts identifying the course sequence for each Endorsement may be viewed at lcisd.org under the HB 5 button.
Endorsement Career Paths

**STEM**
- Computer Science
- Mathematics
- Science
- Project Lead the Way (PLTW): Engineering
- Combination

**MULTIDISCIPLINARY STUDIES**
- Advanced Courses
- All Foundation subject areas
- Advanced Placement and Dual Credit

**PUBLIC SERVICE**
- Education and Training
- Air Force Junior ROTC
- Health Science: General
- Health Science: EMT
- Health Science: Medical Billing
- Health Science: Certified Nursing Assistant
- Health Science: Pharmacology
- Law Enforcement

**BUSINESS & INDUSTRY**
- English- 4 English electives credits including 3 levels in one of the following: Advanced Broadcast Journalism, Advanced Journalism Newspaper, Advanced Yearbook or Debate
- Agriculture, Food & Natural Resources: Animal Science
- Agriculture, Food & Natural Resources: Horticulture
- Agriculture, Food & Natural Resources: Process Technology
- Architecture & Construction: Construction
- Architecture & Construction: HVAC
- Arts, Audio/Video Technology & Communications
- Business Management & Administration
- Hospitality & Tourism: Culinary Arts
- Information Technology: Computer Technology
- Information Technology: Cyber Security
- Manufacturing: Welding
- Manufacturing: Machining Technology
- Marketing
- Transportation, Distribution & Logistics: Automotive Technology
- Combination

**ARTS & HUMANITIES**
- 4 Credits in the SAME Language
- 2 Credits in 2 Different Language Sequences
- 4 Credits in the SAME Fine Art Subject Area Sequence
- 4 Credits in 1 or 2 Subject Areas in Fine Arts Sequence
- 5 Credits in Social Studies
- English-1 advanced English credit plus 3 additional English credits

LCISD Endorsement Flow Charts identifying the course sequence for each Endorsement may be viewed at lcisd.org under the HB 5 button.
## LCISD Course Offerings in the 16 Career Clusters

### Agriculture, Food & Natural Resources
- Principles of Agriculture, Food & Natural Resources
- Small Animal Management
- Livestock Production
- Equine Science
- Veterinary Medical Applications
- Floral Design
- Horticultural Science
- Landscape Design and Management
- Turf Grass Management
- Advanced Plant and Soil Science
- Introduction to Process Technology
- Petrochemical Safety, Health, and Environment
- Agribusiness Management & Marketing
- Agricultural Mechanics & Metal Technologies
- Agricultural Structures Design & Fabrication
- Practicum in Agriculture, Food & Natural Resources:
  - Veterinary Medical Applications
  - Advanced Animal Science

### Architecture & Construction
- Principles of Architecture
- Principles of Construction
- Interior Design I
- Interior Design II
- Practicum in Interior Design
- Construction Technology I
- Construction Technology II
- Construction Technology II (Dual)
- Practicum in Construction Technology
- Heating, Ventilation, Air Conditioning & Refrigeration Technology I (Dual)
- Heating, Ventilation, Air Conditioning & Refrigeration Technology II (Dual)

### Arts, Audio/Video Technology & Communications
- Principles of Arts, Audio/Video Technology & Communications
- Audio/Video Production I
- Audio/Video Production II Lab
- Practicum in Audio/Video Production
- Graphic Design & Illustration I
- Graphic Design & Illustration II Lab
- Practicum in Graphic Design & Illustration
- Professional Communications

### Business Management & Administration
- Principles of Business Marketing & Finance
- Business Law
- Business Information Management I
- Business Information Management II
- Practicum in Business Management
- Business English

### Education & Training
- Principles of Education & Training
- Human Growth & Development
- Instructional Practices
- Practicum in Education & Training

### Finance
- Money Matters
- Accounting I
- Accounting II
- Statistics & Business Decision Making

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LCISD Endorsement Flow Charts identifying the course sequence for each Endorsement may be viewed at lcisd.org under the HB 5 button.
<table>
<thead>
<tr>
<th>Course Offerings</th>
<th>Course Offerings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Health Science</strong></td>
<td><strong>Hospitality &amp; Tourism</strong></td>
</tr>
<tr>
<td>- Principles of Health Science</td>
<td>- Principles of Hospitality &amp; Tourism</td>
</tr>
<tr>
<td>- Health Science Theory</td>
<td>- Introduction to Culinary Arts</td>
</tr>
<tr>
<td>- Health Science Clinical</td>
<td>- Culinary Arts</td>
</tr>
<tr>
<td>- Medical Terminology</td>
<td>- Advanced Culinary Arts</td>
</tr>
<tr>
<td>- Medical Microbiology</td>
<td>- Practicum in Culinary Arts</td>
</tr>
<tr>
<td>- Anatomy &amp; Physiology</td>
<td>- Food Science</td>
</tr>
<tr>
<td>- Medical Billing &amp; Coding</td>
<td></td>
</tr>
<tr>
<td>- Pharmacology</td>
<td></td>
</tr>
<tr>
<td>- Practicum in Health Science: EMT/AEMT (Dual)</td>
<td></td>
</tr>
<tr>
<td>- Practicum in Health Science: Certified Nursing Assistant</td>
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</tr>
<tr>
<td>- Practicum in Health Science: General</td>
<td></td>
</tr>
<tr>
<td><strong>Information Technology</strong></td>
<td><strong>Human Services</strong></td>
</tr>
<tr>
<td>- Principles of Information Technology</td>
<td>- Principles of Human Services</td>
</tr>
<tr>
<td>- Digital Media</td>
<td>- Child Guidance</td>
</tr>
<tr>
<td>- Computer Maintenance Lab</td>
<td>- Lifetime Nutrition &amp; Wellness</td>
</tr>
<tr>
<td>- Computer Technician Practicum</td>
<td>- Practicum in Human Services</td>
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<tr>
<td>- Computer Technician Practicum (Dual)</td>
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<tr>
<td>- Networking I (Dual)</td>
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<td>- Computer Programming I (Dual)</td>
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<td><strong>Law Enforcement, Corrections &amp; Security</strong></td>
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<tr>
<td>- Law Enforcement I</td>
<td>- Law Enforcement II</td>
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<td>- Law Enforcement II</td>
<td>- Court Systems &amp; Practices</td>
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<td>- Correctional Services</td>
<td>- Forensic Science</td>
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<td>- Practicum in Law, Public Safety, Correction and Security</td>
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LCISD Endorsement Flow Charts identifying the course sequence for each Endorsement may be viewed at lcisd.org under the HB 5 button.
LCISD Course Offerings in the 16 Career Clusters

- Welding I
- Welding I (Dual)
- Welding II
- Welding II (Dual)
- Precision Metal Manufacturing I (Dual)
- Precision Metal Manufacturing II (Dual)

- Sports & Entertainment Marketing
- Advertising
- Entrepreneurship
- Advanced Marketing
- Practicum in Marketing

- Energy & Power of Transportation Systems
- Automotive Technology I: Maintenance & Light Repair
- Automotive Technology I: Maintenance & Light Repair (Dual)
- Automotive Technology II: Automotive Service
- Automotive Technology II: Automotive Service (Dual)
- Practicum in Transportation Systems
- Diesel Equipment Technology I (Dual)
- Diesel Equipment Technology II (Dual)

LCISD Endorsement Flow Charts identifying the course sequence for each Endorsement may be viewed at lcisd.org under the HB 5 button.
## LCISD Industry Certification Programs

### LCISD CTE Certification Opportunities
Lamar CISD CTE offers several opportunities for students to earn industry related certifications in various career clusters. These certifications are designed to give students an early advantage in the workplace. Information about exams and when they are offered is provided by the teacher.

<table>
<thead>
<tr>
<th>AGRICULTURE, FOOD, AND NATURAL RESOURCES</th>
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<tbody>
<tr>
<td>AWS Welding</td>
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<tr>
<td>Certified Veterinary Assistant Level I</td>
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<tr>
<td>Texas Floral Design- Level I</td>
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<tr>
<td>OSHA Career Safe</td>
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<tr>
<td>Waste Water Collection and Water Operations</td>
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<tr>
<th>ARTS, AUDIO/VIDEO TECHNOLOGY &amp; COMMUNICATIONS</th>
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<tr>
<td>Audio/Visual – Premiere Pro</td>
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<td>Graphic Design – Photoshop/Illustrator</td>
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<th>ARCHITECTURE &amp; CONSTRUCTION</th>
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<tr>
<td>Chief Architect Student Certification</td>
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<tr>
<td>HVAC Technician Certificate I (thru dual credit with Texas State Technical College)</td>
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<tr>
<td>NCCER Core</td>
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<td>OSHA Career Safe</td>
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<tr>
<th>BUSINESS MANAGEMENT &amp; ADMINISTRATION</th>
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<td>MOS Excel Specialist</td>
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<td>MOS PowerPoint Specialist</td>
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<td>MOS Word Specialist</td>
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<th>HEALTH SCIENCE</th>
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<td>CPR/First Aid</td>
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<td>Certified Medical Assistant</td>
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<tr>
<td>Certified Nurse Aid</td>
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<tr>
<td>Electrocardiogram Technician</td>
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<tr>
<td>Emergency Medical Technician (thru dual credit with Wharton County Junior College)</td>
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<td>Insurance Coding Specialist</td>
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<td>OSHA Career Safe</td>
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<td>Pharmacy Technician</td>
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<th>HOSPITALITY AND TOURISM</th>
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<td>ServSafe Food Handler</td>
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<td>ServSafe Manager</td>
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<th>INFORMATION TECHNOLOGY</th>
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<td>Adobe Photoshop</td>
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<td>CompTIA A+</td>
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<th>LAW, PUBLIC SAFETY, CORRECTIONS &amp; SECURITY</th>
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<td>Basic Correctional Officer Certification</td>
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<td>National Emergency Communications Certification - 911</td>
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<th>MARKETING</th>
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<td>Career Safe</td>
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<tr>
<th>TRANSPORTATION, DISTRIBUTION, &amp; LOGISTICS</th>
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<tr>
<td>ASE Maintenance and Light Repair</td>
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<tr>
<td>Diesel Equipment Technology Certificate I-Heavy Truck (thru dual credit with TSTC)</td>
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<tr>
<td>SP/2 Safety</td>
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Students select courses in the spring to prepare for the next school year by utilizing the information learned in the course selection process and after discussions with counselors, teachers and parents. Careful and thoughtful decisions must be made during this process. Verification of schedules are provided to students in the spring so each student can confirm that the correct choices are in the database.

Master schedules and staffing are based on student requests; therefore few schedule changes are approved once course selections are confirmed. Students who receive special permission to change a class schedule are subject to limitations. If a student moves from one level to another level, the actual grade earned in the previous class transfers to the new class, regardless of the level. The student assumes responsibility for all requirements in the course entered.

Schedule change requests will be considered during the first 4 days of each semester for the following reasons only:

A. Student is a senior not scheduled in a course needed for graduation
B. Student has already earned credit for a course in which he/she is currently scheduled
C. Student does not have prerequisite(s) for a class on his/her schedule
D. Student has previously failed a course with the same teacher
E. Student has been dismissed from a program where approval must be granted for placement
F. Student does not have a complete schedule
G. Data error (no lunch, class listed twice, free period, etc.)

Lamar CISD makes a concerted effort to avail all programs to students; however, some courses may not be available due to staffing and class size. All prerequisites specified for a course are to be met prior to registering. Should a student request a course that is not available, a change to the most appropriate course may be necessary in order to meet graduation requirements.

**High School Courses taken in Junior High:** A student may drop a HS credit course in JH up through the first progress report of the semester, and **all course requests must be submitted and completed by the end of the 4th week of school each semester.** If a student drops a HS credit course through the first progress report, that student MUST be scheduled into a NON HS credit course as a replacement.

**Advanced 3rd and 4th year Math and Science Course Changes:** Course change requests must be made by the end of the 2nd week of the first six-weeks.

**Course Level Changes:** To be considered for a level change from an Academic, Pre-AP or AP course, the student must have made a sincere effort to succeed by attending tutorials, completing his/her work and conferencing with his/her teacher. A parent conference with the teacher is recommended before a level change. **Course level changes will be considered through the first grading (six weeks) period plus one week for each course that offers a different level of the same course.** No course level changes are made during the last 10 school days of each six-weeks.

**UIL:** A student **may not** drop a class in which he/she has a grade below 70 after the end of the first four school weeks of the class without it being considered a failing grade for eligibility purposes. Dropping a non-exempted No Pass No Play class with a grade lower than 70 at the end of a grading period causes a student to lose eligibility until seven calendar days after the end of the three school week evaluation period. Dropping a non-exempted No Pass No Play class after the fourth week into the course with a grade lower than 70 causes the student to lose eligibility at the end of the grading period for the next three school week evaluation period. Dropping a class which is exempted for No Pass No Play does not cause loss of eligibility at any time unless full-time status is affected. No course level changes are made during the last 10 school days of each six-weeks.
HIGH SCHOOL COURSE OFFERINGS

Lamar CISD makes a concerted effort to avail all programs to students; however, some courses may not be available due to staffing and class size. All prerequisites specified for a course are to be met prior to registering.

ENGLISH/LANGUAGE ARTS

1553 English for Speakers of Other Languages (ESOL) I
Credit: 1
Prerequisite: LPAC approval
This course focuses on fundamental English language skills in an effort to build a strong literacy foundation. Students develop language proficiency in listening, speaking, reading, writing in conjunction with foundational literacy skills such as comprehension, response to text, understanding genres, analyzing author’s purpose and craft, written composition, and inquiry/research. Students develop academic oracy, authentic reading, and authentic writing. Instruction in such skills is accommodated to meet the varying English language acquisition needs of students through the implementation of the grade level TEKS/ELPS and utilization of sheltered instruction methodologies. This course may substitute for English I credit for identified EL students.

1653 English for Speakers of Other Languages (ESOL) II
Credit: 1
Prerequisite: ESOL I, LPAC approval
This course focuses on the fundamental English language skills in an effort to build a strong literacy foundation. Students develop language proficiency in listening, speaking, reading, writing in conjunction with foundational literacy skills such as comprehension, response to text, understanding genres, analyzing author’s purpose and craft, written composition, and inquiry/research. Students develop academic oracy, authentic reading, and authentic writing. Instruction in such skills is accommodated to meet the varying English language acquisition needs of students through the implementation of the grade level TEKS/ELPS and utilization of sheltered instruction methodologies. ESOL II builds on the language development and foundational skills of students coming from ESOL I. This course may substitute for English II credit for identified EL students.

1053 Strategic Reading and Writing I (ESOL)
1853 Strategic Reading and Writing II (ESOL)
Credit: 1
Prerequisite: LPAC approval
This course is intended to offer EL students instruction in comprehension strategies, word recognition, vocabulary development, and fluency. Students are given the opportunity to read critically, support inferences, evaluate resources, respond to text in writing, and do research in a variety of genres. Writer’s workshop works in conjunction with reader’s workshop to advance the linguistic and academic progression of ELs. Reading strategies are applied to instructional-level and independent-level texts that cross the content areas. Students learn how various texts are organized and how authors choose language for effect. Sheltered instruction methodologies and the implementation of ELPs are interwoven into instruction to address the varying linguistic levels of English Learners.

1543 English I
Credit: 1
Prerequisite: None
Students will strengthen their ability to understand and to analyze a wide variety of genres. This course provides the opportunity for students to close read both assigned and independent reading and to become self-directed, critical readers. Students in this course will respond to reading with evidence-based writing and will study models of writing by published and student authors. Through planning, organizing, drafting, editing, revising, publishing and conferring, students will refine their writing skills. Research skills will continue to be developed as students locate and evaluate relevant sources, synthesize a variety of information, and present ideas effectively. Additionally, students will listen and respond to the ideas of others while contributing their own ideas as students continue to use both oral and written conventions of the English language in speaking and in writing.

1573 English I – PAP
Credit: 1
Prerequisite: None
Students will increase and enhance their ability to understand and to analyze a wide variety of genres while engaging in a high level of learning. This course provides the opportunity for students to close read both assigned and independent reading and to become self-directed, critical readers. Students in this course will respond to reading with evidence-based writing and will study models of writing by published and student authors. Through planning, organizing, drafting, editing, revising, publishing and conferring, students will refine their writing skills. Research skills will continue to be developed as students locate and evaluate relevant sources, synthesize a variety of information, and present ideas effectively. Additionally, students will listen and respond to the ideas of others while contributing their own ideas as students continue to use both oral and written conventions of the English language in speaking and in writing.
in speaking and in writing. In this course, students will consistently be challenged to expand their knowledge and skills to the next level. PAP courses may require summer reading. This PAP course will be taught at the PAP level using College Board-approved PAP strategies. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule”.

**1643 English II**  
Credit: 1  
Prerequisite: English I  
Students will strengthen their ability to understand and to analyze a wide variety of genres. This course provides the opportunity for students to close read both assigned and independent reading and to become self-directed, critical readers. Students in this course will respond to reading with evidence-based writing and will study models of writing by published and student authors. Through planning, organizing, drafting, editing, revising, publishing and conferring, students will refine their writing skills. Research skills will continue to be developed as students locate and evaluate relevant sources, synthesize a variety of information, and present ideas effectively. Additionally, students will listen and respond to the ideas of others while contributing their own ideas as students continue to use both oral and written conventions of the English language in speaking and in writing.

**1673 English II – PAP**  
Credit: 1  
Prerequisite: English I  
Students will increase and enhance their ability to understand and to analyze a wide variety of genres while engaging in a high level of learning. This course provides the opportunity for students to close read both assigned and independent reading and to become self-directed, critical readers. Students in this course will respond to reading with evidence-based writing and will study models of writing by published and student authors. Through planning, organizing, drafting, editing, revising, publishing and conferring, students will refine their writing skills. Research skills will continue to be developed as students locate and evaluate relevant sources, synthesize a variety of information, and present ideas effectively. Additionally, students will listen and respond to the ideas of others while contributing their own ideas as students continue to use both oral and written conventions of the English language in speaking and in writing.

**1743 English III**  
Credit: 1  
Prerequisite: English II  
Students will strengthen their ability to understand and to analyze a wide variety of genres. This course provides the opportunity for students to close read both assigned and independent reading and to become self-directed, critical readers. Students in this course will respond to reading with evidence-based writing and will study models of writing by published and student authors. Through planning, organizing, drafting, editing, revising, publishing and conferring, students will refine their writing skills. Research skills will continue to be developed as students locate and evaluate relevant sources, synthesize a variety of information, and present ideas effectively. Additionally, students will listen and respond to the ideas of others while contributing their own ideas as students continue to use both oral and written conventions of the English language in speaking and in writing.

**1793 English III – AP**  
Credit: 1  
Prerequisite: English II  
An AP English Language and Composition course engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. Students taking this course will be prepared for and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule”. AP courses may require summer reading.

**English III – Dual**  
**1783AD (Fall)**  
**1783BD (Spring)**  
(Lone Star College ENGL 1301/1302)  
Credit: 1  
Prerequisite: English II, College/University requirements  
An intensive study and practice in writing processes, from invention and research to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Study of and practice in the strategies and techniques for developing research-based expository and persuasive texts: emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. Semester exam exemption will not be available for this course.*Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.
1843 English IV
Credit: 1
Prerequisite: English III
Students will strengthen their ability to understand and to analyze a wide variety of genres. This course provides the opportunity for students to close read both assigned and independent reading and to become self-directed, critical readers. Students in this course will respond to reading with evidence-based writing and will study models of writing by published and student authors. Through planning, organizing, drafting, editing, revising, publishing and conferring, students will refine their writing skills. Research skills will continue to be developed as students locate and evaluate relevant sources, synthesize a variety of information, and present ideas effectively. Additionally, students will listen and respond to the ideas of others while contributing their own ideas as students continue to use both oral and written conventions of the English language in speaking and in writing.

1893 English IV – AP
Credit: 1
Prerequisite: English III
An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work’s structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule”. AP courses may require summer reading.

English IV – Dual
1883AD (Fall)
1883BD (Spring)
(Lone Star College ENGL 1301/1302)
Credit: 1
Prerequisite: English III College/University requirements
An intensive study and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. Semester exam exemption will not be available for this course. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

English IV British Literature – Dual
1983AD (Fall)
1983BD (Spring)
(Lone Star College ENGL 2322/2323)
Credit: 1
Prerequisite: English III/ College credit for LSC 1301/1302
This course provides a survey of the development of British literature from the Anglo-Saxon period to the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Semester exam exemption will not be available for this course. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

1773 College Preparatory English
Credit: 1
Prerequisite: English III
As required in HB 5, the purpose of this course is to provide an opportunity for students to demonstrate college readiness in ELA so they are able to begin taking college credit bearing courses their first year of college without remedial or developmental courses. Developed in partnership with WCJC, College Preparatory Integrated Reading and Writing integrates preparation in basic reading skills with basic skills in writing a variety of essays. Students must earn a final exam grade of 70% or above for the award of credit for the course. To ensure transferability of the course grade to WCJC, the student’s grade for the course must be at 75 or higher Grades earned for this course will be used for UIL eligibility purposes. Semester exam exemption will not be available for this course.

1763 Humanities
Credit: 1
Prerequisite: English II
Humanities is an interdisciplinary course in which students explore major historical and cultural movements and their relationship to literature and other fine arts. Through independent and group studies, students will consider the connections and synthesize the ideas and concepts of the various movements. Students will have the opportunity to participate in classroom discussions and presentations that lead to an in-depth understanding, appreciation, and enjoyment of critical and creative achievements throughout history. This understanding may be demonstrated through a variety of ways using a variety of media.

1963 Creative Writing
Credit: 1
Prerequisite: English II
Creative Writing allows students to expand their skills in such forms of writing as fictional writing, short stories, poetry, and drama. Students will build a collection of their original writing while studying and mirroring various mentor texts. The students’ evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop peer and self-
assessments for effective writing, and set their own goals as writers.

1970 Literary Genres
Credit: 1
Prerequisite: English II
Students will analyze fictional and poetic elements of literary texts and read to appreciate the writer’s craft. Students will discover how well written literary text can serve as models for their own writing. Students will respond to oral, written, and electronic text to connect their knowledge to the world.

1962 Research & Technical Writing
Credit: 1
Prerequisite: English II
Research & Technical writing provides an opportunity for students to develop skills necessary for writing informative texts such as, reports, proposals and memoranda. Students are expected to demonstrate an understanding of the writing process, effectively applying the conventions of usage and the mechanics of written English.

1943 Practical Writing
Credit: 1 (elective)
Prerequisite: English II
This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary. Students are expected to understand the recursive nature of reading and writing. Evaluation of student’s own writing as well as the writing of others ensures that students completing this course are able to analyze and evaluate their writing.

1961C Business English
Credit: 1
Prerequisite: English III
Are you ready for working in the Business World? Learn how the written language is perceived in the media and business community. Use telecommunications with proper business ethics and etiquette. Create and present business reports and/or proposals in simulated business/workplace situations. Prepare business letters, newsletters, analytical essays, resumes, college applications, operational manuals, along with a professional electronic portfolio. Business English will enhance your communication and research skills by applying them to the business environment, in addition to exchanging information and producing properly formatted business documents using emerging technology. This course is a Career and Technical Education funded course and can earn college credit based on Articulation agreements, which are subject to change.

1533 Reading I
Credit: 1 (elective)
Prerequisite: Recommendation of teacher based on student diagnostic scores and State Assessments results.
Reading I offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas.

1633 Reading II
Credit: 1 (elective)
Prerequisite: Reading I and Recommendation of teacher based on student diagnostic scores and State Assessments results.
Reading II offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas.

1733 Reading III
Credit: 1 (elective)
Prerequisite: Reading II and Recommendation of teacher based on student diagnostic scores and State Assessments results.
Reading III offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas.

0103 Journalism
Credit: 1
Prerequisite: None
Students enrolled in Journalism write in a variety of forms for a variety of audiences and purposes. High school students enrolled in this course are expected to plan, draft, and complete written compositions on a regular basis, carefully examining their work for clarity, engaging language, and the correct use of the conventions and mechanics of written English and Associated Press style. Students will become analytical consumers of media and technology to enhance their communication skills. Published work of professional journalists, writing, technology and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing. Students who excel in this course may apply for positions on the magazine, broadcasting, or yearbook staff.
0113 Advanced Journalism: Yearbook I
0123 Advanced Journalism: Yearbook II
0133W Advanced Journalism: Yearbook III
Credit: 1
Prerequisite: Journalism and Teacher Recommendation; Students must apply for a staff position and be interviewed by the teacher before registering for this course, which is designed to edit and produce the school yearbook. Students will learn industry-standard software, layout design, and how to create a fiscally responsible product.

0143 Advanced Journalism: Newspaper I
0153 Advanced Journalism: Newspaper II
0163W Advanced Journalism: Newspaper III
Credit: 1
Prerequisite: Journalism; and Teacher Recommendation; Students must apply for a staff position. Students will be involved in electronic journalism, writing editorials, news, sports, and feature stories, as well as designing magazine pages and ads. Students will learn industry-standard software, layout design, and how to create a fiscally responsible product.

0173 Advanced Broadcast Journalism I
0183 Advanced Broadcast Journalism II
0203W Advanced Broadcast Journalism III
Credit: 1
Prerequisite: Journalism; and Teacher Recommendation; Students enrolled in this course will learn how to write a script, direct a news segment and work as an anchor on the daily news announcements. Students will understand the laws and ethical considerations that affect broadcast journalism. They will learn the role and function of this type of journalism and how to critique and analyze the significance of visual representation through the creation of a broadcast journalism product. They will learn software involved in producing and creating a news program and a video.

0303 Photojournalism
Credit: .5
Prerequisite: None
Students will be introduced to basic camera operations, photo-composition, caption writing and Photoshop. Students work on individual projects and assignments to learn the basics of photography and journalism. Students must provide their own camera or camera card.

0403 Oral Interpretation I
0413 Oral Interpretation II
0423 Oral Interpretation III
0433W Independent Study in Speech: (Oral Interpretation IV)
Credit: 1 (elective)
Prerequisite: None for Level I.
Literature and its presentation are integral to understanding the cultural aspects of a society. Students in Oral Interpretation will select, research, analyze, adapt, interpret and perform literary texts to attempt to capture the entirety of the author’s work. Individual and group performances of literature will be presented and evaluated.

0213 Debate I
0223 Debate II
0233 Debate III
0234W Independent Study in Speech (Debate IV)
Credit: 1
Prerequisite: None for level I and successful completion of prior level.
Major focus is competitive debate; however, all speech/reading/interpretative events are studied, practiced and performed in tournaments. Class is involved in University Interscholastic League, National Forensic League and Texas Forensic Association. Students are required to go to tournaments, some on weekends, and must be prepared to spend many hours in research and organization of materials.

0243W IS: Academic Decathlon
0253W IS: Academic Decathlon
0263W IS: Academic Decathlon
Credit: 1 (elective)
Prerequisite: Teacher Recommendation
Prepares students for Academic Decathlon competition. This course promotes learning through teamwork in a variety of challenges, including reading, written responses, discussions, interviews, and speeches. The overall theme varies each year, and each area of study has components related to the assigned theme. The study of six subject areas is inclusive for all students as teams are composed of students at various academic performance levels. Teams compete at the local, state, and national level.

MATHEMATICS

2543 Algebra I
Credit: 1
Prerequisite: Grade 8 Math or an equivalent
In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. Students must have credit for both semesters of Algebra I before they can enroll in any other high school math course.
2540 Algebra I – PAP
Credit: 1
Prerequisite: Grade 8 Math or an equivalent
Algebra I PAP includes the same student objectives as Algebra I. PAP courses prepare students who intend to continue their studies in AP. This PAP course will be taught at the PAP level using College Board-approved PAP strategies. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.” Students must have credit for both semesters of Algebra I before they can enroll in any other high school math course.

2643 Geometry
Credit: 1
Prerequisite: Algebra I
In Geometry, students will begin to focus on more precise terminology, symbolic representations, and development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students will connect previous knowledge from Algebra I to Geometry through the coordinate and transformational geometry strand. In proof and congruence, students will use deductive reasoning to justify, prove and apply theorems about geometric figures.

2673 Geometry – PAP
Credit: 1
Prerequisite: Algebra I
Geometry PAP includes the same student objectives as Geometry. PAP courses prepare students who intend to continue their studies in AP. This PAP course will be taught at the PAP level using College Board-approved PAP strategies. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

2043 Mathematical Models with Applications
Credit: 1
Prerequisite: Algebra 1
Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects, manipulatives, technology, including graphing calculators, data collection devices, and computers, and paper and pencil and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems.

2743 Algebra II
Credit: 1
Prerequisite: Algebra 1; and Geometry (recommended).
In Algebra II, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

2773 Algebra II – PAP
Credit: 1
Prerequisite: Algebra 1; and Geometry (recommended).
Algebra II PAP includes the same student objectives as Algebra II. PAP courses prepare students who intend to continue their studies in AP. This PAP course will be taught at the PAP level using College Board-approved PAP strategies. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

2843 Precalculus
Credit: 1
Prerequisite: Geometry and Algebra II
Precalculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students’ mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

2873 Precalculus – PAP
Credit: 1
Prerequisite: Geometry and Algebra II
Precalculus PAP includes the same student objectives as Precalculus with emphasis placed on greater depth and complexity of concepts. Additional topics include infinite series and introductory calculus topics. PAP courses prepare students who intend to continue their studies in AP. This PAP course will require students to dedicate themselves to study required by rigorous college-level standards. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

Precalculus – Dual
2883AD (Fall)
2883BD (Spring)
2883WD (Fall) for Cohort 2022
2883XD (Spring) for Cohort 2022
(Lone Star College MATH 1316 & 2412)

Credit: 1
Prerequisite: Geometry and Algebra II, College/University requirements. Precalculus Dual Credit gives students high school credit for Precalculus and college credit for College Trigonometry and Precalculus. The course covers trigonometric functions and their applications, solutions of right and oblique triangles, trigonometric identities and equations, inverse trigonometric functions, graphs of the trigonometric functions, vectors and polar coordinates. The second semester covers an integrated treatment of the concepts necessary for calculus beginning with a review of algebraic and transcendental functions including trigonometric functions. Topics also include the binomial theorem, analytic geometry, vector algebra, polar and parametric equations, mathematical induction and sequences and series. Semester exam exemption will not be available for this course. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

2884 ONRAMPS Precalculus
Credit: .5–1
Prerequisite: Geometry, and Algebra II. College / University requirements.

ONRAMPS Precalculus – Dual
2884BD (Spring)
2884XD (Spring) for Cohort 2022

Credit: .5
Prerequisite: Geometry and Algebra II; students must meet the College/University requirements for the Dual credit option 2nd semester.

In preparation for Calculus or as a student's final high school math, students will deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses in order to successfully work with the concepts in a rigorous university-level Calculus course. The course is divided into seven units, each with an over-arching theme. (Functions, Rates, and Patterns, Algebra and Geometry, Exponential and Logarithmic Functions, Trigonometric Functions, Rates of Change of Functions and Limits, Coordinate Systems, Sequences and Series). Only Spring semester may be eligible for Dual credit. Refer to the section describing the Dual/Concurrent College Courses in the “High School Overview” page of this catalog. “Not all Dual Credit courses are offered at all campuses. The second semester of this course is not eligible for semester exam exemptions.

Independent Study in Math – Dual
(College Algebra)
2546 AD (Fall)
2546 BD (Spring)
2546 WD (Fall) for Cohort 2022
2546 XD (Spring) for Cohort 2022
(Lone Star College MATH 1314)

Credit: 1
Prerequisite: Algebra II, College/University requirements. This course is an in-depth study and applications of polynomial, rational, radical, absolute value, piecewise-defined, exponential and logarithm functions, equations, inequalities, graphing skills and systems of equations using matrices. Additional topics such as sequences, series, probability, conics, and inverses may be included. Semester exam exemption will not be available for this course. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

2893 Calculus AB – AP
Credit: 1
Prerequisite: Precalculus; Precalculus PAP recommended. Calculus AB AP is a course designed for college bound students who have completed four years of secondary mathematics which includes the study of algebra, geometry, trigonometry, analytic geometry, and elementary functions. Calculus AB AP is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. Topics covered in the study of Calculus AB include derivatives in terms of a rate of change and local linear approximation, integrals as a limit of Riemann sums and as the net accumulation of change and the Fundamental Theorem of Calculus. Use of a graphing calculator is considered an integral part of the course and is used as an investigative tool in solving problems, interpreting results and supporting conclusions. Students taking this course will be prepared and are expected to take an AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule”.

2993 Calculus BC – AP
Credit: 1
Prerequisite: Precalculus PAP; Calculus BC AP content requirements include all Calculus AB topics plus additional topics of parametric, polar and vector functions, Euler’s method, L’Hospital’s Rule, Taylor series, series of constants, applications of integrals and improper integrals and solving logistic differential equations. Calculus BC AP is roughly equivalent to both first and second semester college calculus courses. Use of a graphing calculator is considered an integral part of the course and is used as an investigative tool in solving problems, interpreting results and supporting conclusions. Students taking this course will be prepared and are expected to take an AP test upon completion. Students who take the AP Calculus BC Exam receive an AP Calculus AB sub score based on their performance on the portion of the exam devoted to Calculus AB topics. Carefully read the
section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule”.

**Independent Study (Calculus) – Dual**
2083AD (Fall)
2083BD (Spring)
(Lone Star College MATH 2413)
Credit: 1
Prerequisite: Precalculus, College/University requirements
This course covers limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas. Semester exam exemption will not be available for this course. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

**Independent Study (Calculus I/II) – Dual**
2084AD (Fall)
2084BD (Spring)
(Lone Star College MATH 2413/2414)
Credit: 1
Prerequisite: Precalculus, College/University requirements
First semester this course covers Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas. Second semester continues with differentiation and integration of exponential and logarithmic functions, techniques of integration, applications of the definite integral, the calculus of transcendental functions, parametric equations, polar coordinates, indeterminate forms and L’Hospital’s Rule, improper integrals, sequences and series. Semester exam exemption will not be available for this course. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

**2093 Statistics – AP**
Credit: 1
Prerequisite: Geometry and Algebra II
Statistics AP is a course which introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be exposed to four broad conceptual themes of 1) exploring data which includes describing patterns and departures from patterns, 2) sampling and experimentation which includes planning and conducting a study, 3) anticipating patterns which includes exploring random phenomena using probability and 4) simulation and statistical inference which includes estimating population parameters and testing hypotheses. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

**2094 ONRAMPS Statistics**
Credit .5 - 1
Prerequisite: Geometry and Algebra II. College / University requirements.
**ONRAMPS Statistics – Dual 2nd semester**
2094BD (Spring)
2094XD for Cohort 2022 (Spring)
Students must meet the College/University requirements for the Dual credit option 2nd semester.
Prerequisite: Geometry and Algebra II; students must meet the College/University requirements for the Dual credit option 2nd semester
This is a statistics data analysis course for high school juniors or seniors seeking to develop the quantitative reasoning skills and habits of mind necessary to succeed in the higher education environment. This course will target conceptual understanding and hone highly-relevant mathematical skills through scaffolded introduction to statistical methodologies, informal game play and strategic lab exercises that engage students in hands-on analysis of real data. Team-based problem-solving is highly valued, and assessments will guide students through self-reflective analyses of their own preparedness and depth of understanding. Only Spring semester may be eligible for Dual credit. Refer to the section describing the Dual/Concurrent College Courses in the “High School Overview” page of this catalog. *Not all Dual Credit courses are offered at all campuses.* The second semester of this course is not eligible for semester exam exemptions.

**2833 Advanced Quantitative Reasoning**
Credit: 1
Prerequisite: Geometry and Algebra II
In Advanced Quantitative Reasoning, students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics.

**2783 College Preparatory Math**
Credit: 1
Prerequisite: Three high school math credits, and student’s “college ready” math status not confirmed by TSI or other “college ready” measures
As required in HB 5, the purpose of this course is to provide an opportunity for students to demonstrate college
readiness in math so they are able to begin taking college credit-bearing courses their first year of college without remedial or developmental courses. Developed in partnership with WCJC, first semester provides preparation in basic math skills required for the study of Intermediate Algebra at the college level and second semester prepares students for College Algebra. Students must earn a final exam grade of 70% or above for the award of credit for each semester. To ensure transferability of the course grade to WCJC, the student’s grade for each semester must be 75 or higher. The first semester (fall) on the student transcript will correspond to Math 0308 and the second semester (spring) will correspond to Math 0312. Grades earned for this course will be used for UIL eligibility purposes. Semester exam exemption will not be available for this course.

7560 Statistics and Business Decision Making
Credit: 1
Prerequisite: Geometry and Algebra II
How can a business lessen the chances of someone becoming ill from using their products? What steps can be taken to assure all employees are safe in case of a fire? Managing these and other risks involves lessening the negative impacts and preventing financial loss and personal injuries. This course will help students start to understand what actions businesses must take to manage risk. Learn how successful businesses use statistics to forecast what may happen in the future and how to develop strategies to avoid the dangers. Also learn how to determine the appropriate methods used to collect data to ensure conclusions are valid. This course is a Career and Technical Education funded course.

8321C Digital Electronics (DE) – PLTW
Credit: 1
Prerequisite: A PLTW Engineering Specialization course
Digital Electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras and high-definition televisions. The major focus of this course is to expose students to the process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation. This course can earn college credit based on Articulation agreements with Rochester Institute of Technology, which are subject to change. This course is a Career and Technical Education funded course.

2593 Computer Science A – AP (Math)
5007 Comp Science A – AP (LOTE)
Credit: 1 Math credit and 1 LOTE credit
Prerequisite: Computer Science Principles
The course is an advanced computer science course that allows students to work on large-scale projects. Topics include: advanced data structures, searching/sorting algorithms, recursion, algorithm efficiency and Graphic User Interfaces. This AP course will require students to dedicate themselves to study required by rigorous college-level standards. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.” This course requires two class periods.

7539C Accounting II
Credit: 1
Prerequisite: Accounting I and Geometry
Would you like to make a lot of money, and become a highly paid Chief Financial Officer of a corporation? Continue and expand the technological skills learned in Accounting I, as you engage in various managerial and cost accounting activities. Formulate and interpret financial information applicable to the business environment that is used for management decision making. This course can earn college credit based on Articulation agreements, which are subject to change. This course is a Career and Technical Education funded course.
AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

3593 Biology II – AP
Credit: 1
Prerequisite: Chemistry or concurrent enrollment
AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

Biology – Dual
3583 AD Fall
3583 BD Spring
3583WD (Fall) for Cohort 2022
3583XD (Spring) for Cohort 2022
(Lone Star College BIOL 1406/1407)
Credit: 1
Prerequisite: Chemistry or current enrollment
A contemporary course including applications of the scientific method, cellular and molecular biology, biochemistry, classical and human genetics, virology and mechanisms of evolution. The second semester is a continuation of introductory Biology * for majors. It includes a detailed survey of the major phylogenetic lineages. This includes a comparison of the systems of different organisms, Ecological roles and relationships, as well as behavior of organisms, will be integrated throughout. Semester exam exemption will not be available for this course *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

3943 Aquatic Science
Credit: 1
Prerequisite: Biology
Students will use critical thinking and scientific problem solving to make informed decisions in field and laboratory investigations. Students will study components of an aquatic ecosystem; relationships among aquatic habitats and ecosystems; roles of cycles within an aquatic environment; adaptation of aquatic organisms; changes within aquatic environments; geological phenomena and fluid dynamic effects; and origin and use of water in a watershed.

3843 Environmental Systems
Credit: 1
Prerequisite: Biology and a physical science
Students will use critical thinking and scientific problem solving to make informed decisions in field and laboratory investigations. Students will study biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environments.

3643 Chemistry
Credit: 1
Prerequisite: Biology and Algebra I
Students will use critical thinking and scientific problem solving to make informed decisions in field and laboratory investigations. Students will study characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gases; bonding; nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions.

3673 Chemistry – PAP
Credit: 1
Prerequisite: Biology and Algebra I
Chemistry PAP will increase students’ understanding of chemistry concepts, extend students’ knowledge of science as a process, and enhance test-taking strategies. Students will use critical thinking and scientific problem solving to make informed decisions in field and laboratory investigations. Students will study characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gases; bonding; nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions. PAP courses prepare students who intend to continue their studies in the AP program. This PAP course will require students to dedicate themselves to study required by rigorous college-level standards. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

3693 Chemistry II – AP
Credit: 1
Prerequisite: Chemistry and Algebra II or concurrent enrollment in Algebra II
The AP Chemistry course provides students with a foundation to support future advanced course work in chemistry. Through inquiry-based learning, students develop critical thinking and reasoning skills. Students cultivate their understanding of chemistry and science practices as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”
Chemistry I – Dual
3683AD Fall
3683BD Spring
3683WD (Fall) for Cohort 2022
3683XD (Spring) for Cohort 2022
(Lone Star College CHEM 1411)
Credit: 1
Prerequisite: Chemistry and Algebra II or Concurrent enrollment in Algebra II, College/University requirements
Topics include a mathematical introduction (metric system, significant figures and scientific notation), discussion of atoms, molecules and ions, stoichiometry, electronic structure, periodic relationship, bonding, molecular geometries and properties of gases, liquids, solids and solutions. Appropriate lab experiments are included.
Semester exam exemption will not be available for this course. “Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

7650C Medical Microbiology
Credit: 1
Prerequisite: Biology and Chemistry
Study the role of microbes in infectious diseases and the relationship between microbes and health maintenance. This course requires a greater degree of student skill in math and laboratory proficiency. Field studies and research projects are required in this course. This course is a Career and Technical Education funded course, and requires 40% laboratory and fieldwork requirements. This course can earn college credit based on Articulation agreements, which are subject to change.

7640C Anatomy and Physiology
Credit: 1
Prerequisite: Biology; a second science credit
Study the energy needs of the human body, how it maintains homeostasis, and its transport systems, electrical conduction processes, environmental factors affecting the body, and the process of reproduction, growth and development. Special projects, research studies, and creative assignments that reflect independent thinking are required. This course is a Career and Technical Education funded course and requires 40% laboratory and fieldwork requirements. This course can earn college credit based on Articulation agreements, which are subject to change.

3893 Environmental Science – AP
Credit: 1
Prerequisite: Algebra I, Physics or Chemistry
The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

Environmental Science- Dual
3873AD Fall
3873BD Spring
(Lone Star College ENVR 1401/1402)
Credit: 1
Prerequisite: Algebra I, Physics or Chemistry, college/University requirements
An interdisciplinary study of both natural (biology, chemistry, geology) and social (Economics, politics, ethics) sciences as they apply to the environment. Focus is on the role of science in addressing global environmental concerns. Concepts include ethics, policy, matter, energy, species biodiversity, ecology, human populations, food and agriculture. Practical laboratory experience emphasizes the application of fundamental principles of biology and chemistry as well as critical thinking and analysis. Second semester Focus is on energy issues, global warming, ozone loss, land use, conservation and management of resources, deforestation, biodiversity, waste, and sustainable practices. Semester exam exemption will not be available for this course. “Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

7640C Principles of Technology (Physics credit, student cannot earn credit for both Physics and Principles of Technology)
Credit: 1
Prerequisite: Biology and Algebra II or concurrent enrollment in Algebra II.
If you are interested in the Dual Credit programs at TSTC or WCJC, then this is the course for you. This course is an extensive hands-on course designed to provide a study in force, work, rate, resistance, energy, power and force transformers as applied to mechanical, fluid, thermal, and electrical energy that comprise simple technological devices and equipment. The course can be taken for physics graduation credit, is a Career and Technical Education funded course, and requires 40% laboratory and fieldwork requirements. This course can earn college credit based on Articulation agreements, which are subject to change.

3743 Physics
Credit: 1
Prerequisite: Biology and Algebra I
Students will use critical thinking and scientific problem solving to make informed decisions in field and laboratory investigations. Students will study laws of motion; changes within physical systems and conservation of energy and momentum; force; thermodynamics; characteristics and behavior of waves; and quantum physics.

3773 Physics – PAP
Credit: 1
Prerequisite: Biology and Algebra I
Physics PAP will increase students’ understanding of physics concepts, extend students’ knowledge of science as a process and enhance test-taking strategies. Students will use critical thinking and scientific problem solving to
make informed decisions in field and laboratory investigations. Students will study laws of motion; changes within physical systems and conservation of energy and momentum; force; thermodynamics; characteristics and behavior of waves; and quantum physics PAP courses prepare students who intend to continue their studies in the AP program. This PAP course will require students to dedicate themselves to study required by rigorous college-level standards. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

3794 Physics C: Mechanics - AP
Credit: 1
Prerequisite: Physics and Calculus or concurrent enrollment
This AP course will require students to dedicate themselves to study required by rigorous college-level standards. Topics covered include Kinematics; Newton's Laws of Motion; Work, Energy, and Power; Systems of Particles and Linear Momentum; Circular Motion and Rotation; and Oscillations and Gravitation. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

Physics I/II Dual
3785AD Fall
3785BD Spring
(Lone Star College PHYS 1401/1402)
Credit: 1
Prerequisite: Calculus or concurrent enrollment, College/University requirements
Fundamental principles of physics, using algebra and trigonometry, the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound physical systems, newton's Laws of Motion, and gravitation and other fundamental forces, with emphasis on problem solving. The second semester includes the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics, with emphasis on problem solving. Laboratory activities will reinforce fundamental principles of physics. This course is not for physical science and engineering majors but can serve as the physics requirement for the pre-professional medical programs. Semester exam exemption will not be available for this course. “Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

8370 Scientific Research and Design
Credit: 1
Prerequisite: Biology and Chemistry, IPC or Physics
Students conduct laboratory investigations and fieldwork, use critical thinking and scientific problem solving to make informed decisions, formulate hypotheses to guide experimentation and data collection, analyze published research, develop and implement investigative designs, collect, organize and evaluate qualitative and quantitative data obtained through experimentation, synthesize valid conclusions from qualitative and quantitative data, and communicate results. This course is a Career and Technical Education funded course, and requires 40% laboratory and fieldwork requirements.

ONRAMPS Physics: Mechanics, Heat, and Sound
3784 Fall
Credit: .5-1
Prerequisite: Algebra I, Algebra II, Geometry, Trigonometry or Pre-Calculus recommended, College/University requirements
ONRAMPS Physics – Dual
3784BD (Spring)
3784XD (Spring) for Cohort 2022
Credit: .5
Prerequisite: Algebra I, Geometry, Algebra II, Trigonometry or Pre-Calculus recommended, students must meet the College/University requirements for the Dual credit option 2nd semester.
This is an algebra-based (non-calculus) course in mechanics, heat and sound. Students will practice problem-solving and analyzing physical situations involving motion, force, energy, rotations, heat, oscillations, waves, and sound. They will explore concepts in small groups, develop ideas, and explain them. The course lays the groundwork for college majors including engineering, physics, chemistry, or mathematics. Students will experience high-quality curriculum designed by the faculty at UT Austin. Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. The second semester of this course is not eligible for semester exam exemptions.

3933 Earth and Space Science
Credit: 1
Prerequisite: Three credits of math and science; one of which may be taken concurrently.
Earth and Space Science (ESS) is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth’s system in space and time.

3963 Astronomy
Credit: 1
Prerequisite: Two science credits
Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: information about the universe; scientific theories of the evolution of the universe; characteristics and the life cycle of stars; exploration of the universe; role of the Sun in our solar system; planets; and the orientation and placement of the Earth.
7130W Advanced Animal Science
Credit: 1
Prerequisite: Biology, Chemistry or IPC, Geometry; and Small Animal Management or Livestock Production or Equine Science. Recommended: Veterinary Medical Applications
Take a deeper look into the animal industry by studying various livestock anatomy and physiology. Sample topics include diseases, reproduction, genetics and heredity. Hands-on activities and labs are an essential part of this course. This course is a Career and Technical Education funded course and requires 40% laboratory and fieldwork requirements.

7740 Food Science
Credit: 1
Prerequisite: Biology and Chemistry and a third science.
How do we know if our food is safe? This course will use scientific methods to analyze the role of acids and bases in food science, apply the principles of food safety, study the chemical properties of food, and learn the reasons for additives and leaven-agents in food. Also understand how food provides energy and how digestion and metabolism affect our bodies. This course is a Career and Technical Education funded course, and requires 40% laboratory and fieldwork requirements.

8140C Forensic Science
Credit: 1
Prerequisite: Biology and Chemistry
Forensics is a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of the criminally insane. Learn basic terminology and investigative procedures related to crime scene, question building, interviewing, criminal behavior characteristics, and scientific procedures used to solve crimes. You will have the opportunity to collect and analyze evidence through case studies and mock crime scenes. Lab activities will be based on crime scene scenarios and analyzing fingerprints, ballistics, and blood spatter. Learn about the history, legal aspects of forensics, and career options available in the forensic field. This course is a Career and Technical Education funded course, and requires 40% laboratory and fieldwork requirements. This course can earn college credit based on Articulation agreements, which are subject to change.

8329C Engineering Science - PLTW
Credit: 1
Prerequisite: A PLTW Engineering Specialization course
This survey course of engineering exposes students to major concepts they’ll encounter in a post-secondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional engineering community. This course is a Career and Technical Education funded course. This course can earn college credit based on Articulation agreements with the Rochester Institute of Technology, which are subject to change.

8325C Engineering Design and Problem Solving - PLTW
Credit: 1
Prerequisite: Three PLTW credits, Algebra II, Chemistry & Physics.
This engineering research course allows students to work in teams to research, design, and construct a solution to an open-ended engineering problem. Students apply principles developed in previous PLTW courses, present progress reports, submit a final written report and defend their solutions to reviewers. This course can earn college credit based on Articulation agreements, which are subject to change. This course is a Career and Technical Education funded course.

3973W Advanced Plant and Soil Science
Credit: 1
Prerequisite: Horticultural Science; Recommended Biology; IPC, Chemistry or Physics.
Complete your pathway by digging deeper into the Plant and Soil Sciences Industry through laboratory and field investigations in the areas of habitats and ecosystems, soil formation/genesis as well as environmental systems and conservation. Additional areas of study include hydroponics, watersheds, crop production, plant form and function, and genetics. Industry certification testing will be available for Wastewater Collections and Water Operators to all students meeting testing criteria; see teacher for these details. This course is a Career and Technical Education funded course, and requires 40% laboratory and fieldwork requirements.

SOCIAL STUDIES

4543 World Geography
Credit: 1
Prerequisite: None
(May NOT be used as an elective credit if Human Geography credit is earned)
World Geography is an introduction to how the discipline of geography makes sense of the world, its different people, places, and regions. The course offers an understanding of the way people live in particular places and why they live as they do. Central to this course is an emphasis on the ways in which people and places interact to produce certain outcomes. Students will explore the physical and cultural features of the earth, earth’s resources, people and the land, political boundaries, economic growth, technological change, and cultures that influence our world, its countries, and its people.
4573 World Geography – PAP
Credit: 1
Prerequisite: None
(May NOT be used as an elective credit if Human Geography credit is earned)
World Geography PAP includes the same student objectives as World Geography. PAP courses prepare students who intend to continue their studies in AP. PAP course will be taught at the PAP level using College Board-approved PAP strategies. PAP courses may require summer reading. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

4593 Human Geography – AP
Credit: 1
Prerequisite: None
(May NOT be used as an elective credit if World Geography credit is earned)
Are you interested in what is happening in your global community? Explore economic, social, political, and environmental issues through the lens of geography. By exploring human influences and patterns, you can better understand the world around you, make predictions, and propose solutions to current issues. In this course, you will investigate geographic perspectives and analyze historical and current patterns of migration, population, political organization of space, agriculture, food production, land use, industrialization, and economic development.

Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.” AP courses may require summer reading. Human Geography meets the World Geography graduation requirement.

4643 World History
Credit: 1
Prerequisite: None
World History is a survey of the history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students analyze the connections between major developments in science and technology and the growth of industrial economies, and they use the process of historical inquiry to research, interpret, and use multiple sources of evidence.

4673 World History – PAP
Credit: 1
Prerequisite: None
World History PAP includes the same student objectives as World History. PAP courses prepare students who intend to continue their studies in AP. PAP courses will be taught at the PAP level using College Board-approved PAP strategies. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.” PAP courses may require summer reading.

4693 World History – AP
Credit: 1
Prerequisite: None
Are you interested to know how humankind began or how societies have developed over time? In AP World History, students investigate significant events, individuals, developments, and processes from approximately 8000 B.C.E. to the present. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.” AP courses may require summer reading.

4743 United States History
Credit: 1
Prerequisite: World Geography or Human Geography or World History
Students study the history of the United States from 1877 to the present. The course content is based on the founding documents of the U.S. government, which provide a framework for its heritage. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students use critical-thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context.

4793 United States History – AP
Credit: 1
Prerequisite: World Geography or Human Geography or World History
This course covers United States History from the first European explorations of the Americas to the present, including political institutions and behavior, public policy, social and economic change, diplomacy and international relations, and cultural and intellectual developments. This course will require students to dedicate themselves to study rigorous college-level standards. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.” AP courses may require summer reading.
United States History – Dual
4783AD (Fall)
4783BD (Spring)
4783WD (Fall) for Cohort 2022
4783XD (Spring) for Cohort 2022
(Lone Star College HIST 1301/1302)
Credit: 1
Prerequisite: World Geography or Human Geography or World History and third year in high school College/University requirements.
First semester is a survey of U.S. history from Pre-Contact Societies through Reconstruction. Themes to be developed include westward expansion and globalization, slavery, Native Americans, and religious and social changes. Second semester covers U.S. history from 1877 to the present. Topics will include western expansion, industrialization, immigration, imperialism, economic, political and social developments, the wars of the 20th century and the changing status and conditions of women and minorities. An additional purpose of this course is to introduce students to the skills and practices of history. Semester exam exemption will not be available for this course. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

4840 United States Government
Credit: .5
Prerequisite: U.S. History
In Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze major concepts of republicanism, federalism, checks and balances, separation of powers, popular sovereignty, and individual rights and compare the U.S. system of government with other political systems.

4890 United States Government – AP
Credit: .5
Prerequisite: U.S. History
American politics has all the aspects of drama, but it has real meaning for people’s everyday lives. What are the foundations of the U.S. political system? How do leading institutions such as the presidency and Congress operate? Where do public opinion, political parties, groups, and the media fit in? What explains America’s economic, social and foreign policies? If exploring these questions interests you, then this is the course for you. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

4846D United States Government – Dual
(Lone Star College GOVT 2305)
Credit: .5
Prerequisite: U.S. History, College/University requirements
This course covers origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. Semester exam exemption will not be available for this course. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

4040 Economics
Credit: .5
Prerequisite: U.S. History
The focus is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. The course also incorporates instruction in personal financial literacy.

4090 Economics (Macroeconomics) – AP
Credit: .5
Prerequisite: U.S. History
Why do prices rise and fall? What is income and how is employment determined? An AP course in Macroeconomics is designed to give you a thorough understanding of the principles of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income, how prices are determined, and develops your familiarity with economic performance measures, economic growth, and international economics. The course also incorporates instruction in personal financial literacy. The course will require students to dedicate themselves to study rigorous college-level standards. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

4080D Economics- Dual
(Lone Star College ECON 2301)
Credit: .5
Prerequisite: U.S. History College/University requirements
A study of macroeconomic principles. Analysis of the market economy; national income accounting; income determination; stabilization policies: monetary and fiscal policy; money and banking; demand and supply-side economics; monetarist vs. Keynesian view; inflation theories such as distinction between demand-pull and cost-push theories, Phillips-curve analysis; labor market and determination of unemployment rate. Semester exam exemption will not be available for this course. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.
493 European History – AP
Credit: 1
Prerequisite: None
The Age of Reason, the Renaissance, the Reformation, and the French Revolution are just a few of the topics in this interesting course. European History covers from 1450 A.D. to the present, including political, social, cultural, and economic developments that shape the world we live in today. Emphasis will be placed on the founding principles of Western Civilization and their impact on today’s world. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule”.

4930 Sociology
Credit: .5
Prerequisite: None
Why do people do what they do? How much of our environment influences the way people behave and interact? Sociology is an elective course that studies human society and social behavior. Positive human relationships are an essential part of a civilized society and how we interact with each other is important so that we can find answers to questions and solve problems in our world. Sociology teaches us to look at life in a scientific, systematic way. The way that we view the world comes from what we learn in our everyday activities. The values, beliefs, lifestyles of those around us, as well as historic events help to mold us into unique individuals who have varied outlooks on social reality. This course deals with the social atmosphere that helps to make us who we are and how we behave. Sociology will cover topics such as culture, violence, deviance, social control, socialization and personality, group behavior, social class, and social institutions.

4920D Sociology - Dual
Credit: .5
Prerequisite: Grades 11-12
Dual Credit Sociology will be offered as a semester course and is equivalent to an accelerated Sociology course. It will survey the basic elements of sociology such as culture, groups, and institutions. Regardless of a student’s field of study, sociology will encourage critical thinking skills and problem-solving skills which are attributes that employers seek.

4940 Psychology
Credit: .5
Prerequisite: None
How does the mind work? Are we products of our environment? Psychology is the study of the behavior and mental processes. Psychology is a science that seeks to describe, predict, understand, and influence thoughts and behavior. Motivation, moods, memory, reactions, attitudes, perceptions, attraction, talent, what you enjoy – or despise – all of these things have their roots in your Psychology. This course focuses on individual behavior and why an individual thinks, feels, and reacts to certain stimuli.

4993 Personal Financial Literacy
Credit: .5
Prerequisite: World Geography or Human Geography or World History
This course will teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training. Students also understand the power of both compound growth on investments and compound interest on debt and how these concepts affect the ability to build wealth over time. This course includes instruction in methods of paying for college.
and other postsecondary education and training along with completing the application for federal student aid provided by the U.S. Department of Education.

**LANGUAGES OTHER THAN ENGLISH**

**5833 American Sign Language I**  
Credit: 1  
Prerequisite: None  
Students in ASL I will increase awareness of cultural behavior of the deaf signing community, and participate in group discussions and role play practices. This course will also include a brief history of ASL, and an introduction to the deaf culture and the deaf community. Classes are conducted in the target language for 90% of the time (no voice), with great attention to comprehensible input which includes slower signing, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use of English only when necessary. Language learners in ASL I are expected to reach a Novice-Mid to Novice-High proficiency level upon completion of this course according to the TEKS for LOTE.

**5843 American Sign Language II**  
Credit: 1  
Prerequisite: American Sign Language I  
Students in ASL II will increase awareness of cultural behavior of the deaf signing community, and participate in group discussions and role play practices. This course will also include a brief history of ASL, and an introduction to the deaf culture and the deaf community. Classes are conducted in the target language for 90% of the time (no voice), with great attention to comprehensible input which includes slower signing, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use of English only when necessary. Level II develops and refines expressive and receptive skills, with an emphasis on social interaction and storytelling. Language learners in ASL II are expected to reach a Novice-High to Intermediate-Low proficiency level upon completion of this course according to the TEKS for LOTE.

**5863W Advanced American Sign Language III**  
Credit: 1  
Prerequisite: American Sign Language II  
Students in ASL III will increase awareness of cultural behavior of the deaf signing community, and participate in group discussions and role play practices. This course will also include a brief history of ASL, and an introduction to the deaf culture and the deaf community. Classes are conducted in the target language for 90% of the time (no voice), with great attention to comprehensible input which includes slower signing, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use of English only when necessary. Level III continues expanding knowledge of ASL grammar and structures with more advanced vocabulary. Language learners in ASL III are expected to reach Intermediate-Low to Intermediate-Mid proficiency level upon completion of this course according to the TEKS for LOTE.

**5874W Advanced American Sign Language IV**  
Credit: 1  
Prerequisite: American Sign Language III  
Students in ASL IV will increase awareness of cultural behavior of the deaf signing community, and participate in group discussions and role play practices. This course will also include a brief history of ASL, and an introduction to the deaf culture and the deaf community. Classes are conducted in the target language for 90% of the time (no voice), with great attention to comprehensible input which includes slower signing, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice and use of English only when necessary. Level IV continues expanding knowledge of ASL grammar and structures with more advanced vocabulary. Language learners in ASL IV are expected to reach Intermediate-Mid to Intermediate-High proficiency level upon completion of this course according to the TEKS for LOTE.

**5933 Chinese I**  
Credit: 1  
Prerequisite: None  
Students are introduced to Mandarin Chinese through the development of listening and speaking skills. Approximately 100 characters are introduced in year one. Introduction to Chinese language and culture. Development of basic skills in listening comprehension, speaking, reading, writing, and cultural awareness. Course includes vocabulary building, conversation and grammar. This course focuses on the six AP themes. This course is appropriate for students with little or no knowledge of Chinese language. Language learners in Chinese I are expected to reach a Novice-Mid to Novice-High proficiency level upon completion of this course according to the TEKS for LOTE.  
**This class is conducted in Chinese a significant amount of time.**

**5943 Chinese II**  
Credit: 1  
Prerequisite: Chinese I  
This course continues development of listening, speaking, reading and writing. Approximately 200 additional characters are taught in Chinese II. Continued development of Chinese language and culture. Further development of skills in listening comprehension, speaking, reading, writing, and cultural awareness. Course includes vocabulary building, conversation and more complex forms of grammar. This course focuses on the six AP themes. Students will develop a more sophisticated understanding of the applications of the language by demonstrating “real world” scenarios and given opportunities to apply the skills learned in listening, speaking, reading, and writing. Language learners in Chinese II are expected to reach a Novice-High to Intermediate-Low proficiency level upon
completion of this course according to the TEKS for LOTE. This class is conducted in Chinese a significant amount of time.

5973 Chinese III – PAP
Credit: 1
Prerequisite: Chinese II
This PAP course prepares students intending to continue their studies in the AP Chinese program. Students will be able to converse at an intermediate level in Chinese. Students will be exposed to short stories, newscasts, and other authentic materials. Students will write compositions and read basic literature as they develop a more sophisticated understanding of the applications of the language and the cultures by demonstrating “real world” scenarios in listening, speaking, reading, and writing. This course focuses on the six AP themes. This course will require students to dedicate themselves to study required by rigorous college-level standards. A higher level of sophistication in the language will be demonstrated by creating scenarios using cognitive and creative thinking skills. Language learners in Chinese III are expected to reach Intermediate-Low to Intermediate-Mid proficiency level upon completion of this course according to the TEKS for LOTE. This class is conducted predominantly in Chinese. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

5993 Chinese IV– AP
Credit: 1
Prerequisite: Chinese III PAP
This course will provide opportunities for the student to listen, speak, read, and write using authentic sources at a higher level. Expanded course content will include poetry and specific literary genres. Students will write compositions and read literature with more depth and understanding. This AP course will require students to dedicate themselves to study required by rigorous college-level standards. Students taking this course will be prepared and are expected to take the AP test upon completion.

Language learners in Chinese IV are expected to reach Intermediate-Mid to Intermediate-High proficiency level upon completion of this course according to the TEKS for LOTE. This class is conducted predominantly in Chinese. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

Spanish for Spanish Speakers I & II
5673 Spanish (Fall)
5643 (Spring)
Credit: 1 - 2
Prerequisite: Oral and written proficiency screening in Spanish with a minimum score of 80.
This course is designed for students who are heritage or native speakers of Spanish. Their basic skills will be strengthened with an emphasis on vocabulary, reading, writing and grammar skills at more advanced levels. The focus of this course in on increasing students’ ability to use Spanish flexibly in both formal and informal situations by focusing on topics related to the six AP themes. Students are expected to achieve a minimum of Intermediate-Low to Intermediate-Mid level of proficiency as defined by ACTFL standards, by the end of this course depending upon their beginning level. Students may receive credit for Spanish I and II upon successful completion of these courses in one year. This course is conducted predominantly in Spanish.

5673 Spanish for Spanish Speakers III – PAP
Credit: 1
Prerequisite: Spanish for Spanish Speakers I & II.
This PAP course will increase students understanding and fluency in the Spanish language, extend knowledge of culture and enhance multi-language communication. PAP courses prepare students who intend to continue their studies in the AP program. This PAP course will require students to dedicate themselves to study required by rigorous college-level standards. A higher level of sophistication in the language will be demonstrated by creating scenarios using cognitive and creative thinking skills. This course is conducted predominantly in Spanish. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

5533 Spanish I
Credit: 1
Prerequisite: None
This course is an introduction to the Spanish language and culture. The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the Spanish-speaking world. This course focuses on the six AP themes. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice, and use of English only when necessary. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, and viewing), and presentational (rehearsed and revised oral and written products).

Language learners in Spanish I are expected to reach a Novice-Mid to Novice-High proficiency level upon completion of this course according to the TEKS for LOTE. This class is conducted in Spanish a significant amount of time.

5543 Spanish II
Credit: 1
Prerequisite: Spanish I
This course continues the development of listening, speaking, reading and writing in the Spanish language. The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the Spanish-speaking world. This course focuses on the six AP themes. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent
checks for understanding, visuals, gestures, frequent opportunities for students to practice, and use of English only when necessary. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, and viewing), and presentational (rehearsed and revised oral and written products). Language learners in Spanish II are expected to reach a Novice-High to Intermediate-Low proficiency level upon completion of this course according to the TEKS for LOTE. This course is conducted in Spanish a significant amount of time.

5563 Spanish III
Credit: 1
Prerequisite: Spanish II
Students will increase their ability to communicate in Spanish orally and in writing. Reading skills will be strengthened by inclusion of poetry and other specific literary genres. Students will develop a more sophisticated understanding of the applications of the language and culture by participating in real world scenarios in listening, speaking, reading and writing. This course focuses on the six AP themes. Language learners in Spanish III are expected to reach Intermediate-Low to Intermediate-Mid proficiency level upon completion of this course according to the TEKS for LOTE. This course is conducted predominately in Spanish.

5573 Spanish III – PAP
Credit: 1
Prerequisite: Spanish II
Students in this level will continue developing various tenses in the indicative and subjunctive moods. A variety of technology/media tools will be used to help develop an intermediate proficiency level with grammatical structures, advanced vocabulary, and culture. PAP courses prepare students who intend to continue their studies in the AP program. This PAP course will require students to dedicate themselves to a study required by rigorous college-level standards. A higher level of sophistication in the language will be demonstrated by creating scenarios using cognitive and creative thinking skills. This course is conducted predominately in Spanish. Carefully read the section describing PAP and AP in the "High School Overview" section of this catalog under "Planning Your Schedule."

5593 Spanish IV (Language) – AP
Credit: 1
Prerequisite: Spanish III
Students will develop strong language abilities in interpersonal, interpretive, and presentational modes of communication. Students will continue to develop language abilities and cultural knowledge through the use of authentic sources. Expressing ideas in sustained speech and in writing under timed conditions will be stressed. This AP course will require students to dedicate themselves to study required by rigorous college-level standards. Students taking this course will be prepared and are expected to take the AP test upon completion. This course is conducted predominately in Spanish. Carefully read the section describing PAP and AP in the "High School Overview" section of this catalog under "Planning Your Schedule."

5093 Spanish V (Literature) – AP
Credit: 1
Prerequisite: Spanish IV AP
Students will extend their knowledge of advanced grammar and vocabulary in this fast paced and rigorous AP course. Students in this course will read and discuss short stories, poetry and novels in the Spanish language. Culture, history and current events will be emphasized. This AP course will require students to dedicate themselves to study required by rigorous college-level standards. Students taking this course will be prepared and are expected to take the AP test upon completion. This course is conducted predominately in Spanish. Carefully read the section describing PAP and AP in the "High School Overview" section of this catalog under "Planning Your Schedule."

5733 French I
Credit: 1
Prerequisite: None
This course is an introduction to the French language and culture. The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the French-speaking world. This course focuses on the six AP themes. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice, and use of English only when necessary. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, and viewing), and presentational (rehearsed and revised oral and written products). Language learners in French I are expected to reach a Novice-Mid to Novice-High proficiency level upon completion of this course according to the TEKS for LOTE. This course is conducted in French a significant amount of time.

5743 French II
Credit: 1
Prerequisite: French I
This course continues the development of listening, speaking, reading and writing in the French language. The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the French-speaking world. This course focuses on the six AP themes. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice, and use of English only when necessary. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, viewing), and presentational (rehearsed and revised oral and written products).
Language learners in French II are expected to reach a Novice-High to Intermediate-Low proficiency level upon completion of this course according to the TEKS for LOTE. This class is conducted in French a significant amount of time.

5763 French III
Credit: 1
Prerequisite: French II
Students will increase their ability to communicate in French orally and in writing. Reading skills will be strengthened by inclusion of poetry and other specific literary genres. Students will develop a more sophisticated understanding of the applications of the language and culture by participating in real world scenarios in listening, speaking, reading and writing. This course focuses on the six AP themes. Language learners in French III are expected to reach Intermediate-Low to Intermediate-Mid proficiency level upon completion of this course according to the TEKS for LOTE. This class is conducted predominantly in French.

5773 French III – PAP
Credit: 1
Prerequisite: French II
Students in this level will continue developing at various tenses and moods. A variety of technology/media tools will be used to help develop an intermediate proficiency level with grammatical structures, advanced vocabulary, and culture. PAP courses prepare students who intend to continue their studies in the program AP. A higher level of sophistication in the language will be demonstrated by creating scenarios using cognitive and creative thinking skills. This PAP course will require students to dedicate themselves to study required by rigorous college-level standards. This class is conducted predominantly in French. Carefully read the section describing PAP and AP in the "High School Overview" section of this catalog under "Planning Your Schedule."

5793 French IV (Language) – AP
Credit: 1
Prerequisite: French III
Students will develop strong language abilities in interpersonal, interpretive, and presentational modes of communications. Students will continue to develop language abilities and cultural knowledge through the use of authentic sources. Expressing ideas in sustained speech and in writing under timed conditions will be stressed. This AP course will require students to dedicate themselves to study required by rigorous college-level standards. This class is conducted predominantly in French. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the "High School Overview" section of this catalog under "Planning Your Schedule."

LOTE CREDIT FOR TECHNOLOGY APPLICATION COURSES:

One LOTE credit may be awarded for the following Technology Application courses:

5004 Computer Science I
5005 Computer Science I PAP
5006 Computer Science Principles AP
5007 Computer Science A – AP
5008 Computer Science II

See course descriptions and prerequisites in Technology Application.

FINE ARTS

In order to earn weighting for 4th year Fine Arts courses a student must complete 4 years in one fine arts discipline (Band, Choir, Theater or Dance). Weighting in the final level course will only be awarded once per discipline. These courses are identified with a “W” after the course number.

7500 Art & Media Communications
Credit: 1
Prerequisite: None
This course combines rigorous and relevant experiential study of modern, post-modern, and contemporary visual art and design with student learning in media literacy and technology applications. Creation and analysis of student artworks will be balanced with explorations into contemporary practices across the visual and commercial arts fields. Students will learn how to bridge traditional hand skills with current technology applications to create new media such as animations, digital images, multimedia presentations, digital videos, websites, and interactive or site-based installations and performances. Student work will culminate in a capstone project that investigates an issue relevant to the student and uses art, design, and visual communications to address a problem within the community or effect a change. This project will afford students an opportunity to learn and practice creative research skills, develop a narrative, engage an audience, and connect an online community to their project. This course meets the state requirement for one high school fine arts credit.

7503 Art I
Credit: 1
Prerequisite: None
Art I is a comprehensive course that provides the student with introductory experiences in inventive and imaginative expression through a variety of art experiences, media, and techniques. Emphasis is placed on the elements and principles of design.
7513 Advanced Art
Credit: 1
Prerequisite: Eighth grade art teacher recommendation or portfolio review by HS Art Teacher
Advanced Art I is a course for students with exceptional ability in the visual arts.

7523 Art II Drawing
Credit: 1
Prerequisite: Art I
Art II Drawing extends the student’s artistic understanding and experiences as introduced in Art I. Emphasis will be placed on the development of compositional skills and imaginative use of the elements and principles of design. The class is designed to strengthen the student’s drawing and two-dimensional skills. Problem solving skills will be developed through experimentation with a variety of drawing media and subject matter. The history and the analysis of two-dimensional design will be emphasized. Outside assignments and a journal may be required for the course.

7533 Art II Painting
Credit: 1
Prerequisite: Art I
Art II Painting extends the student’s artistic understanding and experiences as introduced in Art I. Emphasis will be placed on the development of compositional skills and imaginative use of the elements and principles of design. The class is designed to strengthen the student’s painting and two-dimensional skills. Students will experiment with a variety of painting media, techniques, and subject matter to develop artwork that express the student’s personal style and concept. Artistic periods and styles will be emphasized.

7534 Art II Sculpture
Credit: 1
Prerequisite: Art I
Art II Sculpture extends the student’s artistic understanding and experiences as introduced in Art I. This class explores various 3D materials used to create sculptures such as clay, wood, and found objects. Students will learn how to manipulate materials, problem solve, and analyze sculpture through hands on learning, readings and discussion.

7553 Art III Drawing
Credit: 1
Prerequisite: Art II Painting or Art II Drawing
Art III Drawing extends the student’s artistic understanding and experiences as introduced in Art II Drawing or Art II Painting. Emphasis will be placed on the advanced development of compositional skills and imaginative use of the elements and principles of design in drawing. This class is designed to develop the mastery of two-dimensional media. The study of art appreciation and history is incorporated within every technical skill. Emphasis will be placed on the development of problem-solving skills through experimentation with a variety of advanced drawing media and subject matter. The history and the analysis of drawing will be emphasized.

7563 Art III Drawing – PAP
Credit: 1
Prerequisite: Art II Drawing
Preparatory course for AP portfolio courses.
Art III Drawing (PAP) extends the student’s artistic understanding and experiences as introduced in Art II. Emphasis will be placed on the development of compositional skills and imaginative use of the elements and principles of design. The class is designed to strengthen the student’s painting and two-dimensional skills with an emphasis on drawing as applied to painting. Students will experiment with a variety of painting media, techniques, and subject matter. Artistic periods and styles will be investigated to inspire individual artwork. Outside assignments and journal may be required. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

7573W Art IV Drawing
Credit: 1
Prerequisite: Art III Drawing
Art IV Drawing extends the student’s artistic understanding and experiences as introduced in Drawing III. Emphasis will be placed on the advanced development of compositional skills and imaginative use of the elements and principles of design in advanced drawing. This class is designed to develop the student’s commitment to a self-determined area of special interest. Students will apply advanced drawing tools and techniques to develop a series of artwork based on a personal style and theme. Art appreciation, self-evaluation, and higher-level problem-solving skills are emphasized. The history and the analysis of drawing will be emphasized.

7583 Art IV Drawing Portfolio – AP
Credit: 1
Prerequisite: Art III Drawing; Art III Drawing-PAP recommended
Students may desire to purchase professional-grade materials at their own expense. This course prepares students for the College Board Advanced Placement Drawing Portfolio Exam. Students are responsible for the examination fee and the cost of preparing slides included in the portfolio. The Advanced Placement Drawing Portfolio course enables highly motivated students to do college-level work in drawing while still in high school. The course involves significantly more time and commitment than most high school art courses and is intended for students seriously committed to the study of art. As in each AP Art Studio course, the evaluation is based upon the completion and submission of a portfolio, not a written examination. This portfolio is intended to address a very broad interpretation of drawing issues. Such elements and concepts can be articulated through a variety of drawing processes. Approaches may include scraffito, gestural, contour, and value studies. A variety of drawing media will be used. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”
7584 Art History – AP
Credit: 1
Prerequisite: None
Students develop an understanding of architecture, painting and other art forms within diverse historical and cultural contexts. Students will be engaged in visual and contextual analysis and critical thinking as they study art historical periods and movements. This course is a full year introductory college course in the history of art. The primary study focuses on Western art with some attention to the art of other cultures. The curriculum includes basic information about artists, schools and movements, chronological periods and specific dates and the subjects, styles, and techniques of particular works of art. Students will prepare for the Advanced Placement Exam through intensive work with essay writing, slide recognition, and group projects. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

7506 ONRAMPS Arts & Entertainment Technologies
Credit: .5-1
Prerequisite: None
ONRAMPS Arts & Entertainment Technologies– Dual
7506BD (Spring)
7506XD (Spring) for Cohort 2022
Credit: .5
Prerequisite: Students must meet the College/University requirements for the Dual credit option 2nd semester
This course includes a history of the evolution of gaming from the console to the smartphone, origin of digital music and how we consume, enjoy, share and perceive music today, study of image enhancement to modern 3D character design, mobile media applications, user interface and user experience. This course presents a broad overview of digital media technologies, software, and applications along with the fundamental concepts of digital representation of images and sound. Students study an assortment of entertainment concepts and experiences, discover the underlying technology involve, and learn how this technology is delivered to the participant. Student also consider the cultural, philosophical, ethical and practical aspects of entertainment technology.*Students may not earn credit for 7506/7506BD OnRamps and 7500 Arts & Media Communications. *Not all Dual Credit courses are offered at all campuses. The second semester of this course is not eligible for semester exam exemptions.

7153 Floral Design
Credit: 1
Prerequisite: Principles of Agriculture, Food & Natural Resources
Do you want to learn to design a variety of floral arrangements including corsages, boutonnieres and centerpieces? This course involves elements of color theory, tools of the trade, handling and flower identification as well as the analysis of artistic floral styles. Learn more about the floral industry while earning your Fine Arts credit, and you may also look forward to becoming certified through the Texas State Floral Association.

Theatre
Students involved in theatrical productions will be required to attend rehearsals or crew calls after school or in the evenings. The amount of time required will not exceed 8 hours per week from Monday through Thursday. Students may be expected to attend rehearsals or work days on Friday and Saturday. Specific rehearsal times will vary by school and the theatre arts teacher will provide a complete rehearsal schedule.

7602 Theatre & Media Communications I
Credit: 1
Prerequisite: None
This course is designed to address the needs of students not enrolled in the theater production or technical theater courses. Students will explore theater through media and media through theater. The student will learn basic theater and media techniques. Utilizing technology to facilitate the study of theater makes this an engaging and interactive experience.

7601D Theatre & Media Communications I-Dual (WCJC)
7601WD for Cohort 2022
Credit: .5
Prerequisite: none; can only be taken one time either Fall or Spring.
This course will combine the experience of live theatre performance and production with technology and media-based resources to capture, develop, and share personal stories and performances through the creation of multimedia projects. This course gives students high school credit for Theater and Media Communications and three hours college credit for Drama 1310. The course will help expand and enhance both a student’s knowledge of the performing arts as well as critical technical skills required for 21st century communications. The course for which credit is awarded provides advanced academic instruction beyond, or in greater depth than the essential knowledge and skills for the equivalent high school course. Students are responsible for payment of college tuition, fees and books required for this course. Refer to the section describing the Dual/Concurrent College Courses in the “High School Overview” page of this catalog. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

7604 Theatre & Media Communications II
Credit: 1
Prerequisite: Theater & Media Communications I
Students will further their knowledge of theater arts through various media forms, including but not limited to sound design, film production, screen acting, voice acting, and other media forms.
7603 Theatre I
Credit: 1
Prerequisite: None
This survey course provides for the expressive use of the body and voice, acting concepts and skills, theatre production concepts and skills and theatrical history. Students may be required to attend theatre events and analyze their experiences. After successful completion of this course, students may audition for advanced theater courses.

7613 Theatre II
7623 Theatre III
7633W Theatre IV
Credit: 1
Prerequisite: Successful completion of prior Theatre level
These courses are designed for the student who shows exceptional ability in drama and who wishes to take advanced courses in production. This course builds on the skills learned in Theater I including the use of body and voice, acting styles, technical theater jobs and theatrical history. Students may be required to attend theater events as part of their grade requirement for these courses. Emphasis is on dramatic production in dramatic presentations.

7643 Theatre Production I
7653 Theatre Production II
7663 Theatre Production III
7673W Theatre Production IV
Credit: 1
Prerequisite: Teacher Recommendation or Audition Process
Theater Production classes are designed to provide advanced preparation for the actor and technician. The courses focus specifically on the production process of theater. Emphasis will be placed on producing performances for live audiences and further study of every facet of the production process, including but not limited to acting, movement, voice, theatrical design, lighting, sound, costume construction, set construction, makeup and more. Auditioning and participation in school theatrical productions is required of Production students. These productions will require time after school and on weekends for rehearsals and performances.

7683 Technical Theatre I
Credit: 1
Prerequisite: none
This survey course explores all aspects of technical theater. Students will study dramaturgy, set design, scenic design, set construction, costume creation, theatrical make-up, theater business, and stage management and costume design. The student applies design, directing, and theatre production concepts and skills.

7693 Technical Theatre II
7694 Technical Theatre III
7695W Technical Theatre IV
Credit: 1
Prerequisite: Successful completion of prior Technical Theatre level
Students will continue to explore set design, scenic design, set construction, costume creation and theatrical make-up, theater business, stage management and costume design but at a deeper level. Students will often work on school productions in a practicum type setting. Attendance and participation in campus productions may be required.

Band
Participation in all marching band activities is required for all students who elect to take the academic band performance courses. Public performance is an integral part of the band experience. Requirements will include after-school/before-school rehearsals and performances as the development of fundamental performance skills is emphasized. Students in the marching band rehearse 6-8 hours per calendar week beginning the first week of school until the final marching contest of the season usually around the beginning of November. Summer marching rehearsals begin in late July or August 1 depending on the needs of the band program and the school calendar. Freshman marching training sessions are sometimes held in May/June. Marching band students attend all varsity football games including playoff games. Marching rehearsal requirements for playoff games are significantly reduced to 1 or 2 hours per week. Members of competition marching bands participate in 3-5 marching contests as well. Marching bands may advance to the UIL Area and State Marching Championships.

Note: Students may receive a physical education substitution credit for the fall semester of marching band not to exceed one full credit.

(6900 P.E. Substitution Band credit)
7703 Concert Band I
7713 Concert Band II
7723 Concert Band III
7733W Concert Band IV

7783 Symphonic Band I
7793 Symphonic Band II
7803 Symphonic Band III
7813W Symphonic Band IV

7855 Wind Ensemble I
7856 Wind Ensemble II
7857 Wind Ensemble III
7858W Wind Ensemble IV
Credit: 1
Prerequisite: Placement is by audition for the advanced instrumental student.
Wind Ensemble, Symphonic, and Concert Band – selection into any of these groups is by audition. These
groups, at varying levels, will participate in the UIL Marching Contest, Solo and Ensemble Contest, and Concert and Sight-Reading Contest. Members in these groups will have one or more section rehearsal and may have an assigned hearing time outside of the school day for grading purposes. These groups will give a variety of performances. For UIL purposes, these groups will be listed as the Non-Varsity and Sub non-varsity bands.

7915 Symphony Band I  
7916 Symphony Band II  
7917 Symphony Band III  
7918W Symphony Band IV  
Credit: 1  
Prerequisite: Placement is by audition for the advanced instrumental student. Selection into this group is by audition, director recommendation, and demonstration of academic proficiency. Members in this ensemble will participate in the TMEA Region Band process, UIL Marching Contest, Solo and Ensemble, and Concert and Sight-reading Contest. Members of this group will have a one-hour section rehearsal and an assigned hearing time outside of the school day for grading purposes. The Symphony Band will give numerous performances both on and off campus. This group will be considered the “Varsity” band.

7823 Instrumental Ensemble I  
7833 Instrumental Ensemble II  
7843 Instrumental Ensemble III  
7853W Instrumental Ensemble IV  
Credit: 1  
Prerequisite: Placement is by audition  
Instrumental ensembles are select musical groups. Ensemble performance of the highest level is expected. Students will be involved in numerous performances/competitions.

7863 Jazz Band I  
7873 Jazz Band II  
7883 Jazz Band III  
7893W Jazz Band IV  
Credit: 1  
Prerequisite: Selection into this group is by audition, director recommendation, and demonstration of academic proficiency. Members of the Jazz Ensemble may be concurrently enrolled in one of the parent musical organizations (choir or concert band) at the discretion of the director. The Jazz Ensemble will give numerous performances both on and off campus.

Orchestra  
7814 Orchestra I  
7815 Orchestra II  
7816 Orchestra III  
7817W Orchestra IV  
Credit: 1  
Prerequisite: Placement is by audition  
The high school orchestra program provides classes during the school day. Instructional priorities include instrument technique, musicianship, critical listening, cultural growth, basic music theory, creative self-expression, rehearsal and concert etiquette, self-discipline, responsible citizenship, effective communication, problem solving, and production of quality musical products. Orchestra students are given an opportunity to continue musical growth and experience quality music literature. Several performance opportunities are provided for students in performing orchestras. Students may also participate individually in a series of auditions related to the all-state process as well as UIL solo & ensemble contests. Orchestra membership requires a weekly section or full ensemble rehearsal. Additional rehearsals often occur leading up to major performances. Specific rehearsal and performance requirements for each orchestra are provided by the campus orchestra director.

Choral Music  
These choir classes emphasize singing, music theory, listening, and performance. Students will be placed in various classes according to achievement levels monitored by periodic auditions. The classes may be composed of all males or all females, or they may be mixed according to the number and distribution of voices available. These groups may participate in TMEA and UIL competitions. Public performance is an integral part of the choir experience. Requirements will include after-school/before-school rehearsals and performances as the development of fundamental performance skills is emphasized. Beginning Choir classes provide students who are new to music the opportunity to learn about the elements of music and their application in real life situations – no experience required. Intermediate and Advanced Choir classes provide experienced vocal students with the opportunity to further their singing, music reading, and listening skills while working on self-discipline, team-building, and leadership skills. In all classes there is a strong emphasis on music reading, vocal technique, positive attitudes, responsibility, and a strong work ethic. Students will perform in a variety of musical styles in large and small ensembles and opportunities to perform as soloists are available. Performance opportunities include: Choir Concerts, UIL Choir Contests, UIL Solo Contests and state auditions. A variety of factors are used to determine choir placement. See your campus Choir Director for details regarding auditions and specific ensembles available.

7700 Music & Media Communications  
Credit: 1  
Prerequisite: None  
This course is designed to provide access to rigorous and relevant instruction in music and media-based skills for those students entering high school who may not have an
extensive background in music. The course is based on state skills and knowledge standards in music integrated with state standards for technology applications as well as College and Career Readiness and 21st Century skills. Students will use new technology and media-based resources for listening, recording, sharing, composing, and making music, working on authentic projects that build and expand their musical knowledge and technical skills. This course meets the state requirement for one high school fine arts credit. This course targets students not participating in traditional music classes and ensembles. This course meets the state requirement for one high school fine arts credit.

7023 Vocal Ensemble I
7033 Vocal Ensemble II
7043 Vocal Ensemble III
7053W Vocal Ensemble IV
Credit: 1
Prerequisite: Placement is by audition
Vocal ensembles are select musical groups. Ensemble performances of the highest level of rigor are expected. Students will be involved in numerous performances/competitions.

7093 Music Theory – AP
Credit: 1
Prerequisite: One high school music course; two recommended
The student’s ability to read and write musical notation is fundamental to this course. It is also strongly recommended that the student have acquired at least basic performance skills in voice or on an instrument. Musicianship skills such as dictation, listening skills, sight-singing, and keyboard harmony are considered an important part of the theory course. This AP course will require students to dedicate themselves to study required by rigorous college-level standards of study. Students taking this course are expected to take the AP test upon completion. Carefully read the section describing the PAP and AP in the "High School Overview" section of this catalog under “Planning Your Schedule.”

Dance
May receive a one-year substitution credit for physical education (6553 PE Substitution Dance).

6553 Principles of Dance/PE
Credit 1
Prerequisite: None
This course will satisfy the Physical Education graduation requirement. Information regarding required dance attire will be addressed by the instructor. Dance performances may be required in venues after school. Dance I is an introductory course that provides students with an exploration of the basic fundamentals of movement in the following genres of dance: ballet, social, jazz, tap, hip hop, lyrical, contemporary, modern, choreography, and performance. Students will begin the building foundations of dance technique and vocabulary, movement, rhythmic structures, creativity, expression through music, and kinesthetic awareness. Students will demonstrate kinesthetic and spatial awareness and understand the importance of health and fitness and the effects of one’s life span. Students are exposed to a variety of activities that promote health related fitness.
7103 Principles of Dance I
7113 Principles of Dance II
7123 Principles of Dance III
7133W Principles of Dance IV
Credit: 1
Prerequisite: None for Level I; successful completion of prior Dance level
Information regarding required dance attire will be addressed by the instructor. Dance performances may be required in venues after school. This course will satisfy the fine arts requirements for graduation.
Dance is a course that provides students with an exploration of movement in the following genres of dance: ballet, social, jazz, tap, hip hop, lyrical, contemporary, modern, choreography, and performance. Students will build dance technique and vocabulary, movement, rhythmic structures, creativity, expression through music, and kinesthetic awareness. Students will demonstrate kinesthetic and spatial awareness and understand the importance of health and fitness and the effects of one’s life span. As students’ progress through the dance levels, they will be encouraged to develop and create movement that demonstrates their previous knowledge of different dance genres and dance skills. Students will also evaluate the expression of ideas and emotions through movement as well as demonstrate personal evaluation of dance compositions.

6554 Advanced Dance I / PE
Credit: 1
Prerequisite: Instructor approval and/or audition and must have made the dance team.
This course will satisfy the Physical Education graduation requirement. Purchasing of all required dance attire will be addressed by the instructor. Dance performances will be required in venues after school.
Advanced Dance I-IV operates at an accelerated pace and explores the foundation of various dance forms, to include, but not limited to, ballet, jazz, lyrical, contemporary, modern, hip hop, performance, and choreography. Students will continue to explore dance performance and technique through movement, vocabulary, kinesthetic awareness, and ongoing rehearsals. A wide variety of performance opportunities may be available outside of the school day at the instructor’s discretion that will allow for students to increase their self-confidence, self-discipline, and dance appreciation.

Purchasing of all required dance attire will be addressed by the instructor. Dance performances will be required in venues after school. This course will satisfy the Fine Arts requirement for graduation. Advanced Dance I-IV operates at an accelerated pace and explores the foundation of various dance forms, to include, but not limited to, ballet, jazz, lyrical, contemporary, modern, hip hop, performance, and choreography. Students will continue to explore dance performance and technique through movement, vocabulary, kinesthetic awareness, and ongoing rehearsals. A wide variety of performance opportunities may be available outside of the school day at the instructor’s discretion that will allow for students to increase their self-confidence, self-discipline, and dance appreciation.

7155 Dance Composition/Improvisation I
7156 Dance Composition/Improvisation II
7157 Dance Composition/Improvisation III
Credit: 1
Prerequisite: Teacher approval & Dance I
Dance Composition is designed to prepare students who have been selected as officers on the Dance Team. Students are provided the opportunity to study, practice and develop group leadership and organizational skills, as well as their creativity in choreography and dance techniques. These skills include, but are not limited to: decision making, problem solving, communication, leadership, human relations, and understanding the need for social intelligence and civic responsibility. Dance class uniform is required.

HEALTH, PHYSICAL EDUCATION AND AFJROTC

In order to earn weighting for 4th year Athletic courses a student must complete 4 years in athletics. Weighting in the final level course will only be awarded once per athletics. These courses are identified with a “W” after the course number.

6000 Health
Credit: .5
Prerequisite: None
Concepts of physical fitness; sleep; nutrition and weight control; human reproduction; grooming; dental care; preventative diseases; alcohol, tobacco and drug abuse; first aid; accident prevention; the role of community health services and the influence of the family unit upon physical, social and emotional development.

6010 Foundations of Personal Fitness
Credit: 1
Prerequisite: None
Lifetime physical fitness that includes the following topics: stress management; sound nutritional practices; consumer issues; safety in fitness; lifestyles that affect fitness; attitudes that affect fitness.
6020 Physical Education Team or Individual Sports
Credit: 1
Prerequisite: None
Intramural and fitness activities that include the following topics: conditioning; skill development; safe practices; weight and aerobic training.

6025 Aerobic Activities
Credit: 1
Prerequisite: None
Students acquire the knowledge/skills for movement that provide the foundation for enjoyment, continued social development through physical activity and an understanding of the relationship between physical activity and health throughout one’s life span. Students are exposed to a variety of activities that promote health-related fitness. A major expectation of the course is for students to design a personal fitness program that uses aerobic activities.

Athletics
Credit: .5 - 1
Prerequisite: Placement is based on tryouts. The following competitive athletic programs are designed for those who are highly motivated to participate in team and individual UIL athletics. Participants are expected to meet all UIL regulations and must maintain academic standards while devoting a great deal of time outside the school day toward these programs. Each sport listed requires approval by the coach of the sport involved.

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*Must have prior approval

Cheerleading
Credit: 1
Prerequisite: Placement based on a competitive tryout. This course is designed for cheerleaders who are selected through competitive tryouts; course will provide opportunities for individuals to develop skills, techniques, and conditioning necessary to be a successful cheerleader.

AFJROTC–Air Force Junior Reserve Officers Training Corps I – IV: 6051, 6060, 6070, 6080W (6050 P.E. substitution JROTC)
Prerequisite: Conference with JROTC instructor recommended prior to enrollment. Taught at Lamar Consolidated High School and Terry High School; available to all LCISD HS students. Air Force Junior ROTC is a citizenship program for high school students in the ninth through twelfth grades. AFJROTC encourages its students to become well-informed, helpful, and healthy citizens by using a military model to teach leadership, discipline, and organizational skills. The curriculum is composed of Aerospace Science (40%), Leadership Education (40%) and Health and Wellness Education (20%). This course stresses communication skills and cadet corps activities. Additionally, drill and ceremonies, and uniform wear will be incorporated into portions of the Leadership Education curriculum for all cadet year groups. Health and Wellness Education uses the Presidential Physical Fitness program to track physical improvement and an Air Force Junior ROTC-approved curriculum emphasizing a healthy lifestyle. To enhance classroom learning, students participate in extracurricular activities such as field trips, social functions, and specialized teams. Wear of the Air Force uniform at least once per week is required to complete the course; uniform items are provided. Cadets will also have to meet personal grooming standards specific to males and females, primarily with respect to hair and facial hair.

GENERAL ELECTIVE COURSES

4733 PAL I (Peer Assistance Leadership)
Credit: 1 (elective)
Prerequisite: Enrollment through application process
Students learn listening, communication and problem-solving skills and help peers through tutoring and mentoring. PAL presents classes on various topics requested by feeder schools. PALs complete school and community service hours.

4833 PAL II (Peer Assistance Leadership)
Credit: 1 (elective)
Prerequisite: Enrollment through application process and PAL I
Expand skills developed in PAL I.

4763 Teen Leadership
Credit: .5 (elective)
Prerequisite: None
Teen Leadership is a program in which students develop leadership, personal, professional, and business skills. Students learn to develop a healthy self-concept, healthy relationships and personal responsibility. Self-awareness, self-control, self-motivation, social skills and personal image are further developed through an understanding of emotional intelligence and public speaking and communication skills. Students develop skills in principle-based decision-making, problem solving and goal setting.
enabling them to become better individuals, family members and citizens.

4863 Student Leadership
Credit: 1 (elective)
Prerequisite: Application process
This course provides an opportunity to study, practice, and develop group and individual leadership and organizational skills. Students enrolled apply these skills in dealing with peers, school administration and the community.

3903 Planet Earth
Credit: 1 (elective)
Prerequisite: Students in grades 10-12
Planet Earth focuses on the complex, dynamic relationship between the planet and its life, tracing it through the Earth’s geologic history. Portions of the course include the emerging, integrative science now being referred to as Geobiology at the college level.

1453 Foundations of Intensive Language Acquisition Support
Credit: 1 (elective)
Prerequisite: Recently arrived English Learners with LPAC Approval
This course is intended to assist students in becoming increasingly proficient in listening, speaking, reading, and writing. FILAS will provide engaging language-rich, high-interest, cognitively demanding vocabulary, and accelerated lessons. Students will acquire the academic language and skills in English needed to be college-ready and prepare them for the global economy. FILAS includes a culture component that provides opportunities for students to understand and be successful in the American public-school system, thus promoting the affective and cognitive development of recent immigrants and/or recent arrivals. This course provides intensive language support through the use of research based sheltered instruction that supports students and promotes cross-curricular academic growth.

7063 Sports Medicine I
Credit: 1 (elective)
Prerequisite: Biology; Must complete an application process and have instructor approval.
This course bridges the gap between health class and clinical rotation for students interested in medical related careers. Students will study prevention of athletic injuries, recognition, evaluation, and immediate care of athletic injuries, rehabilitation and management skills.

7073 Sports Medicine II
Credit: 1 (elective)
Prerequisite: Sports Medicine I. Must complete an application process and have instructor approval.
This course is for students to further their studies in athletic training. It provides an in-depth study and application of the components of sports medicine including but not limited to: basic rehabilitative techniques; therapeutic modalities; wound care, taping and bandaging techniques, prevention, recognition, and care of musculoskeletal injuries; injuries to the young athlete; drugs in sports; modern issues in sports medicine. Individualized and independent assignments will be included in this course. This course will involve outside-of-class time homework and time required working with athletes and athletic teams.

AP CAPSTONE COURSES

5803 AP Seminar
Credit: 1
Prerequisite: English II
AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. The course will require students to dedicate themselves to study rigorous college-level standards. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the High School Overview” section of this catalog under “Planning Your Schedule.”

5804 AP Research
Credit: 1
Prerequisite: AP Seminar
AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense. The course will require students to dedicate themselves to study rigorous college-level standards. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the High School Overview” section of this catalog under “Planning Your Schedule.”
2063 Digital Design & Media Production
Credit: 1
Prerequisite: None
Through the study of digital design and media production, students will demonstrate creative thinking to develop innovative strategies and to use communication tools in order to work effectively with others as well as independently. Students will gather information electronically which will allow for problem solving and making informed decisions regarding media projects. Through this course, students will become better digital citizens and demonstrate a thorough understanding of digital design principles transferable to other disciplines.

2592 Computer Science Principles – AP
Credit: 1
Prerequisite: None
Whether it’s 3-D animation, engineering, music, app development, medicine, visual design, robotics, or political analysis, computer science is the engine that powers the technology, productivity, and innovation that drive the world. Computer science experience has become an imperative for today’s students and the workforce of tomorrow. AP Computer Science Principles has the goal of creating leaders in computer science fields and attracting providing students with essential computing tools and multidisciplinary opportunities. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.”

2593 Computer Science A – AP (Math)
5007 Computer Science A- AP (LOTE)
Credit: 2 (1 Math credit and 1 LOTE credit)
Prerequisite: Computer Science Principles-AP
The course is an advanced computer science course that allows students to work on large-scale projects. Topics include: advanced data structures, searching/sorting algorithms, recursion, algorithm efficiency and Graphic User Interfaces. This AP course will require students to dedicate themselves to study required by rigorous college-level standards. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog under “Planning Your Schedule.” This course requires two class periods and students must be enrolled in both course numbers.

2574W Advanced Computer Science II
Credit: 0.5 - 1
Prerequisite: Computer Science A- AP or, Computer Science I or Computer Science I PAP
Computer Science II will foster students’ creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course.

2583W IS: Technology Applications
Credit: 1
Prerequisite: Advanced Computer Science II or Computer Science A- AP
This course is an advanced computer science course that allows students to work on large scale projects. Topics include: databases, networking, managing sounds, graphics, collision detection and threads.

2594 ONRAMPS Thriving in Our Digital World
Credit: .5 - 1
Prerequisites: College or University requirements
ONRAMPS Thriving in Our Digital World – Dual (Spring)
2594BD
2594XD (Spring) for Cohort 2022
Credit .5
Prerequisites: Students must meet the College/University requirements for the Dual credit option 2nd semester
The principles taught cover a set of core ideas that shape the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness Skills, such as critical thinking, problem solving, and communication. Seven modules are covered addressing impact, programming, representation, digital manipulation, big data, artificial intelligence, and innovations. Only Spring semester may be eligible for Dual credit. Refer to the section describing the Dual/Concurrent College Courses in the “High School Overview” page of this
catalog. "Not all Dual Credit courses are offered at all campuses. The second semester of this course is not eligible for semester exam exemptions.

### CAREER AND TECHNICAL EDUCATION (CTE)

The Lamar Consolidated Independent School District’s Career and Technical Education Department created career pathways provide a firm academic and technological foundation to help build future career plans and career preparation opportunities. Our programs include:

- A relevant, coherent sequence of courses with college credit opportunities, including dual and articulated credit,
- Opportunities for industry-recognized certifications,
- Extended learning including curricular activities, work-based and service learning,
- And prepare students for the challenges of the future so they can have productive, fulfilling careers

Many CTE courses can earn college credits through the Statewide Advanced Technical Credit or based on local agreements with area community colleges. The local agreements, earn articulated credits and are negotiated annually. Related information can be found on LCISD’s CTE webpage along with the steps to have these credits awarded by the applicable post-secondary institution. Course weights may change due to changes in agreements. These courses are identified with a “C” after the course number. In addition, some CTE courses provide advanced instruction with rigor and students can be awarded additional credit weight. These courses are identified with a “W” after the course number. While Lamar CISD makes a concerted effort to avail CTE programs to all students, all courses may not be available to every student in LCISD due to transportation, staff and/or facility demands.

### AGRICULTURE, FOOD AND NATURAL RESOURCES CAREER CLUSTER

#### AGRICULTURE

**7105 Principles of Agriculture, Food & Natural Resources**

Credit: 1  
Prerequisite: None  

Agriculture is not just “cows, sows and plows”. Discover how plant and animal science are a vital part of our lives. Research which laws, regulations, and policies are in place to bring food safely from the field to your table. Learn leadership, record-keeping skills and have the opportunity to raise an animal as a FFA member.

**7140C Agribusiness Management & Marketing**

Credit: 1  
Prerequisite: Agriculture Mechanics and Metal Technologies or Small Animal Management and Equine Science  

Selling, analyzing costs and knowing business laws are all a part of being successful in any agriculture business. Learn how to manage your agribusiness while doing activities in areas such as supply and demand, budgeting, record keeping, finance, risk management, business law, as well as how to market your business. This course can earn college credit based on Articulation agreements, which are subject to change.

**7150C Agricultural Mechanics & Metal Technologies**

Credit: 1  
Prerequisite: Principles of Agriculture, Food & Natural Resources  

Looking for hands-on innovative new ways to learn about welding? Then this is the class for you! In this class you will be introduced to various skills in metal fabrication including oxyacetylene, plasma arc cutting, arc, MIG, and TIG welding applications. Instructor will provide industry standard training. This course can earn college credit based on Articulation agreements, which are subject to change.

**7160C Agricultural Structures Design & Fabrication**

Credit: 1  
Prerequisite: Principles of Agriculture, Food & Natural Resources; Agricultural Mechanics & Metal Technologies recommended  

Fine tune your welding skills, while preparing for an industry certification that will make you employable in the real world. Instructor will provide industry standard training and students will work towards AWS certification. This course can earn college credit based on Articulation agreements, which are subject to change.

**7110C Livestock Production**

Credit: 1  
Prerequisite: Principles of Agriculture, Food & Natural Resources  

"True or false - Only bulls have horns." "Do you know how many stomachs a cow has?" If you have an interest in animals, this course is the next step in the livestock portion of Animal Science. Learn the skeletal, muscular, respiratory, reproductive, and circulatory systems of animals; how to evaluate vital signs and normal animal behavior; explore how the animal digestive system works, and what role nutrients, vitamins and classes of feed contribute to proper feeding practices; while conducting experiments to support known principles of genetics and feed efficiency. This course can earn college credit based on Articulation agreements, which are subject to change.
7120 Small Animal Management
Credit: .5
Prerequisite: Principles of Agriculture, Food & Natural Resources
Why does a dog pant? What makes a cat purr? Find the answers to these questions and much more. This course focuses on the anatomy, management and care of small animals; not just dogs and cats. Learn breeds or types of each species; discuss the habitats, nutritional requirements and health maintenance, including the prevention and control of diseases/parasites; as well as, use available laboratory equipment to perform procedures such as fecal test, blood testing, and basic grooming procedures.

7121C Equine Science
Credit: .5
Prerequisite: Principles of Agriculture, Food & Natural Resources
This course is an introduction to the basics of horse care and management. During the semester, students will develop an understanding of the equine industry including selection, health and management, as well as horse handling and breeding. We will examine equine nutrition as it pertains to performance, as well as issues affecting the equine industry as a whole. This course can earn college credit based on Articulation agreements, which are subject to change.

7190C Veterinary Medical Applications
Credit: 1
Prerequisite: Livestock Production or Equine Science and Small Animal Management
Prepare for your future career in the field of animal science. Learn principles of veterinary medical ethics, and veterinary medical terminology. Identify/evaluate animal diseases and internal/external parasites, as well as behavioral problems for both large and small animal species. Work on skills needed to advance toward Veterinary Assistant Certification, Level 1. This course can earn college credit based on Articulation agreements, which are subject to change.

Practicum in Agriculture, Food & Natural Resources:
Veterinary Medical Applications (Extended)
7195EW 1st time taken
7196E 2nd time taken
Credit: 3
Prerequisite: Veterinary Medical Applications
Student must complete an interest form for enrollment and attend a meeting with the instructor. Extended is for students who work a minimum of 15 hours in a teacher-approved training station (paid or unpaid off site) for continuation in this course; must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.

This year-long course offers students the chance to participate in an industry internship related to veterinary science. Work with the classroom teacher to complete tasks and hours needed for the Veterinary Assistant Certificate, Level 1. Research animal behavior, diseases, and illnesses. Study animals and how they affect the environment, diagnosis, and treatment of animal illnesses.

7148 Floral Design
Credit: 1
Prerequisite: Principles of Agriculture, Food & Natural Resources
Do you want to learn to design a variety of floral arrangements including corsages, boutonnieres and centerpieces? This course involves elements of color theory, tools of the trade, handling and flower identification as well as the analysis of artistic floral styles. Learn more about the floral industry while earning your Fine Arts credit, and you may also look forward to becoming certified through the Texas State Floral Association.

7149C Horticultural Science
Credit: 1
Prerequisite: Floral Design
Are you interested in plants and how they grow? Dive deeper into the world of plants by learning more about food and ornamental plant production. From pests and pesticide safety for fruit, nut and vegetable production, marketing and management to basic plant physiology and design, this class will lay the foundation for your budding plant studies and career opportunities. This course can earn college...
credit based on Articulation agreements, which are subject to change.

**7147C Landscape Design and Management**  
Credit: .5  
Prerequisite: Horticultural Science  
Do you want to learn to identify, install and care for landscape plants, tools and irrigation systems? This course involves understanding all of the landscape design and management techniques, safety practices, proper pruning, fertilization and pest management in the landscape. Business procedures will be taught including interviewing, cost estimates, scheduling and service contracts. This course can earn college credit based on Articulation agreements, which are subject to change.

**7151C Turf Grass Management**  
Credit: .5  
Prerequisite: Horticultural Science  
From your lawn to athletic fields, turf grass is an important aspect of our urban landscape. This course will focus on growth and maintenance of turf areas including: grass and related ground cover, soil texture for drainage and pH for nutrient requirements, plant propagation (transplant), water needs and storage of equipment. Identify prospective customers, analyze site, materials, labor and other key factors needed for a successful turf management business. Prepare cost estimate, contracts and maintenance schedules. This course can earn college credit based on Articulation agreements, which are subject to change.

**7108AD Introduction to Process Technology – Dual with WCJC**  
Credit: 1 (Fall)  
Prerequisite: Principles of Agriculture, Food, & Natural Resources; Principles of Technology or concurrent enrollment  
This course is an introductory overview of the various processing industries. Students will be introduced to chemical and plant refinery, plant operations, as well as the various career fields in the process technology industry. Topics include, process technician duties, responsibilities and expectations, plant process and utility systems, and the mental requirements to be a process technician. Learn about the advanced technology in the area of process operations at petrochemical, refining companies, and other industries. Student must complete WCJC online application; provide Permit to Register and transcripts. See WCJC for additional enrollment and orientation process requirements. Transportation available. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

**7109BD Petrochemical Safety, Health, and Environment – Dual with WCJC**  
Credit: 1 (Spring)  
Prerequisite: Introduction to Process Technology  
This course is an overview of safety, health, and environmental issues in the performance of all job tasks in petrochemical environments. Learn to identify safe and environmentally sound work habits in the performance of all job tasks and regulatory compliance issues. Student must complete WCJC online application; provide Permit to Register and transcripts. See WCJC for additional enrollment and orientation process requirements. Transportation available. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

**7152W Advanced Plant and Soil Science**  
See Course description in Science section

**7181C Welding I**  
See Course description in Manufacturing Career Cluster

**7183C Welding II**  
See Course description in Manufacturing Career Cluster

**7130W Advanced Animal Science**  
See Course description in Science section

**ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER**

**ARCHITECTURE/CONSTRUCTION**

**7209 Principles of Architecture**  
Credit: 1  
Prerequisites: None  
Are you interested in restoring or designing something to be new or improved? Discover the tasks that are performed within Architecture careers, as well as identify the license and certifications that can be obtained. Learn how to calculate the cost of supplies needed for a project; how to read technical manuals and drawings; and create a floor plan that complies with governmental safety regulations and codes which are used within these careers.

**7210C Interior Design I**  
Credit: 1  
Prerequisites: None  
Explore creative color schemes, interior design principles, furniture arrangement, proper housing construction and much more! The course will introduce Chief Architect software that is used in interior design. This course can earn college credit based on Articulation agreements, which are subject to change.

**7211 Interior Design II**  
Credit: 2  
Prerequisite: Interior Design I  
Feature your skills by learning techniques related to Interior spatial design, furniture redesign, plus working with clients, contractors and budgets. Work towards the Chief Architect certification as a focus of this course.

**7212 Practicum in Interior Design**  
Credit: 2  
Prerequisite: Interior Design II, Student must complete an interest form for enrollment and attend a meeting with the instructor. Students will participate a teacher-approved training station (onsite or offsite, paid or unpaid) or continuation in this course; must be a minimum age of 16 and hold a valid work documentation to enroll in a paid
practicum experience working at least 10 hours per week. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade. This year-long course offers students the chance to participate in an industry internship related to Interior Design. You will work with the classroom teacher to complete tasks and hours needed for the Chief Architect Certification.

7219 Principles of Construction
Credit: 1
Prerequisite: None
Are you interested in restoring or designing something to be new or improved? Discover the tasks that are performed within Construction careers, as well as identify the license and certifications that can be obtained. Learn how to calculate the cost of supplies needed for a project; how to read technical manuals and drawings; and create a floor plan that complies with governmental Safety regulations and codes which are used within these careers.

7220C Construction Technology I
Credit: 2
Prerequisite: Principles of Construction or Principles of Architecture. Student must complete an interest form for enrollment and attend a meeting with instructor.
Do you like to use your hands? This is a year-long construction carpentry course which includes knowledge of and the ability to apply the construction process of house foundation, framing, roofing, and exterior and interior finishing. Begin with raw materials and produce a finished project, using a variety of hand and power tools. Instructor will provide industry standard training. Course taught at THS only, but available to students at all LCISD high schools. Enrollment is limited. This course can earn college credit based on Articulation agreements, which are subject to change.

7230C Construction Technology II
Credit: 2
Prerequisite: Construction Technology I; Student must complete an interest form for enrollment and attend a meeting with instructor.
This year-long course is a continuation of Construction Technology I. Efforts will be directed toward the residential construction process of foundation, framing, roofing, exterior and interior finishing. Students will develop advanced knowledge and skills specific to those needed to enter the workforce as carpenters, building maintenance technicians, supervisors or prepare for a postsecondary degree in Construction Management, Architecture or Engineering. Instructor will provide industry standard training. Course taught at THS only, but available to students at all LCISD high schools (transportation provided). Enrollment is limited. This course can earn college credit based on Articulation agreements, which are subject to change.

7240W Practicum in Construction Technology
Credit: 2
Prerequisite: Construction Technology II Student must complete an interest form for enrollment and attend a meeting with the instructor. Students will participate in a teacher-approved training station (onsite or offsite, paid or unpaid) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience working at least 10 hours per week. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.
In Practicum of Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class. Instructor will provide an industry standard training. Course taught at THS only, but available to students at all LCISD high schools (transportation provided). Enrollment is limited.

7240EW Practicum in Construction Technology-Extended
Credit: 3
Prerequisite: Construction Technology II; Student must complete an interest form for enrollment and attend a meeting with instructor. Extended is for students who work a minimum of 15 hours a week in a teacher-approved training station (paid or unpaid off site) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.
This course completes the coherent sequence in the field of Construction Technology. Instruction may be delivered through laboratory training or through career preparation delivery arrangements. This occupationally specific course is 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. Instructor will provide an industry standard training. Course taught at THS only, but available to students at all LCISD high schools (transportation provided). Enrollment is limited.

Heating, Ventilation, Air Conditioning (HVAC) & Refrigeration Technology I – Dual with TSTC

7250AD (Fall)
7250BD (Spring)
Credit: 1
Prerequisite: Construction Technology I; Student must complete TSTC online application; provide Permit to Register, transcripts, shot record; and attend a meeting with TSTC Academic Advisor. See TSTC for additional enrollment and orientation process requirements. This
course is taken as part of TSTC dual credit pathway for HVAC Technology. Successful completion will result in TSTC credit. HVAC Technician Certificate I is offered to all students meeting testing requirement see teacher for details. Course will take place at the TSTC campus. Transportation provided. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

**Heating, Ventilation, Air Conditioning (HVAC) & Refrigeration Technology II – Dual with TSTC**

**7260AD (Fall)**

**7260BD (Spring)**

Credit: 2

Prerequisite: Heating, Ventilation, Air Conditioning and Refrigeration I – Dual; Student must complete TSTC online application; provide Permit to Register, transcripts, shot record; and attend a meeting with TSTC Academic Advisor. See TSTC for additional enrollment and orientation process requirements. This course is taken as part of TSTC dual credit pathway for HVAC Technology. Successful completion will result in TSTC credit. HVAC Technician Certificate I is offered to all students meeting testing requirement see teacher for details. Course will take place at the TSTC campus. Transportation provided. *Not all Dual Credit courses are offered at all campuses. Course is not eligible for semester final exemptions.

**ARTS, AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS CAREER CLUSTER**

**AUDIO VISUAL**

**8025 Principles of Arts, Audio/Video Technology & Communications**

Credit: 1

Prerequisite: None

Are you creative, enjoy speaking in front of crowds and have a background in technology? Then this is the career for you. Learn how to utilize your creativity, while strengthening your academics, oral and written communication skills. Explore the various avenues that are included in this career cluster.

**8055C Graphic Design & Illustration I**

Credit: 1

Prerequisite: Principles of Arts, Audio/Video Technology & Communication

Graphic Design & Illustration I spans all aspects of the advertising and visual communication industries. In addition to developing knowledge and skills needed for success in Arts, Audio/Video Technology and Communications career clusters, you will focus on fundamental elements and principles of visual art and design through a hands-on approach. This course can earn college credit based on Articulation agreements, which are subject to change.

**8056CL Graphic Design & Illustration II Lab**

Credit: 2

Prerequisite: Graphic Design & Illustration I

Student must complete an interest form for enrollment and attend a meeting with the instructor. In Graphic Design & Illustration Lab II you will create logos, branding, infographics, product prototypes and packaging, poster design and large format graphics, as well as using specialized photographic techniques. Industry certification testing will be available for Adobe Photoshop or Adobe Illustrator to all students meeting testing criteria; see teacher for these details. This course can earn college credit based on Articulation agreements, which are subject to change.

**8058W Practicum in Graphic Design & Illustration**

Credit: 2

Prerequisite: Graphic Design & Illustration Lab; Student must complete an interest form for enrollment and attend a meeting with the instructor. Students will participate in a teacher-approved training station (onsite or offsite, paid or unpaid) for continuation in this course; must be a minimum age of 16 and hold valid work documentation to enroll in a paid practicum experience working at least 10 hours per week. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.

The Practicum in Graphic Design & Illustration course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This course requires employment to allow students to become proficient in the Graphic Design area. The coursework will focus on customer service, building on design principles, specialized photographic techniques and technology.

**8058EW Practicum Graphic Design & Illustration-Extended**

Credit: 3

Prerequisite: Graphic Design & Illustration Lab; Student must complete an interest form for enrollment and attend a meeting with the instructor. Extended is for students who work a minimum of 15 hours a week in a teacher-approved training station (paid or unpaid off site) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.

This course completes the coherent sequence in the field of Graphic Design & Illustration. This occupationally specific course is designed to provide classroom technical instruction and on-the-job training experiences. Students will work on fine tuning their Graphic Design & Illustration skills, safety, work ethics, and job-related study in the classroom. Instructor will provide industry standard training. Industry certification testing is offered to all students meeting testing requirement; see teacher for details.
8029 Audio/Video Production I
Credit: 1
Prerequisite: Principles of Arts, Audio/Video Technology and Communications
Careers in audio and video technology and film production span across all aspects of the audio/video communication industry. You will focus on pre-production, production, and post-production while creating audio and video activities.

8035CL Audio/Video Production II Lab
Credit: 2
Prerequisite: Audio/Video Production I
Student must complete an interest form for enrollment and attend a meeting with the instructor. In Audio/Video Production Lab II you will learn how to operate the different types of cameras, and audio techniques, along with digital editing and film production. This course can earn college credit based on Articulation agreements, which are subject to change.

8036W Practicum in Audio/Video Production
Credit: 2
Prerequisite: Audio/Video Production II Lab; Student must complete an interest form for enrollment and attend a meeting with the instructor. Students will participate a teacher-approved training station (onsite or offsite, paid or unpaid) for continuation in this course; must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience working at least 10 hours per week. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student's grade. In the Practicum in Audio/Video Production course, students will build upon the concepts taught in Audio/Video Production II, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster. They will develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment.

8036EW Practicum in Audio/Video Production - Extended
Credit: 3
Prerequisite: Audio/Video Production II Lab
Student must complete an Interest form for enrollment and attend a meeting with the instructor. Extended is for students who work a minimum of 15 hours a week in a teacher-approved training station (paid or unpaid off site) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student's grade.
This course completes the coherent sequence in the field of Audio/Video Production. This occupationally specific course is designed to provide classroom technical instruction and on-the-job training experiences. Students will work on fine tuning their Audio/Video Production skills, safety, work ethics, and job-related study in the classroom. Instructor will provide industry standard training. Industry certification testing is offered to all students meeting testing requirement; see teacher for details.

7300 Professional Communications
Credit: .5
Prerequisite: None
Careers in today's economy require one to be creative, a strong background in computer and technology-based applications, a strong and solid academic foundation and communicate effectively in both oral and written formats. Students in this class 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.

BUSINESS MANAGEMENT & ADMINISTRATION CAREER CLUSTER

BUSINESS

7310C Business Information Management I
Credit: 1
Prerequisite: None; Money Matters for Business Management & Administration declared Endorsement option
Do you have what it takes to get a good paying job? Do you have computer skills to help you get ahead in school and the workforce? Take this class to move you forward in today's society. You will develop skills in Microsoft Excel, Access, Word, and PowerPoint that will strengthen your individual performance in the workplace and in society to make a successful transition to the workforce and post-secondary education! Industry certification testing will be available for Microsoft Office Specialist (MOS) to all students meeting testing criteria; see teacher for these details. This course can earn college credit based on Articulation agreements, which are subject to change.

7320C Business Information Management II
Credit: 1
Prerequisite: Business Information Management I
Take it to the next level! Learn how to address business applications of emerging technologies, manage an electronic portfolio, create complex documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software. If you want to get ahead in business, this is where you need to be! Additional Industry certification testing will be available for Microsoft Office Specialist (MOS) to all students meeting testing criteria; see teacher for these details. This course can earn college credit based on Articulation agreements, which are subject to change.
7330C Business Law
Credit: 1
Prerequisite: Business Information Management II
Is that legal? Is it ethical? Is it right? Answer these questions by exploring the ins and outs of business organizations, employment, contracts, and lawsuits. Bring it to life by analyzing current events in today's economy. Learn how the business world relates to you! This course can earn college credit based on Articulation agreements, which are subject to change.

7333W Practicum in Business Management
Credit: 2
Prerequisite: Business Information Management II; Student must complete interest form for enrollment and attend a meeting with the instructor. Students will participate in a teacher-approved training station (onsite or offsite, paid or unpaid) for continuation in this course; must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience working at least 10 hours per week. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student's grade. Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Implement personal and interpersonal skills. Apply technical skills to address business applications of emerging technologies. Develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Apply reading, writing, computing, communication, and reasoning skills to the business environment based on knowledge from legal, managerial, marketing, financial, ethical, and international dimension of business.

7333EW Practicum in Business Management - Extended
Credit: 3
Prerequisite: Business Information Management II
Student must complete an interest form for enrollment and attend a meeting with the instructor. Extended is for students who work a minimum of 15 hours a week in a teacher-approved training station (paid or unpaid off site) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student's grade. This course completes the coherent sequence in the field of Business Management. This occupationally specific course is designed to provide classroom technical instruction and on-the-job training experiences. Students will work on fine tuning their Business Management skills, safety, work ethics, and job-related study in the classroom. Instructor will provide industry standard training. Industry certification testing is offered to all students meeting testing requirement; see teacher for details.

7515C Money Matters
See Course description in Finance Career Cluster

1961C Business English
See Course description in Language Arts

EDUCATION AND TRAINING CAREER CLUSTER

EDUCATION AND CHILD SERVICES

7409 Principles of Education & Training
Credit: 1
Prerequisite: None
Are you interested in sharing your knowledge and talents with others through teaching? Then explore this diverse group of careers that prepares learners to plan, manage and provide education and training services and related learning support services. Some of the areas of training are: teacher, corporate and physical trainer, sign language interpreter, recreation worker, coach, parent educator, social worker, principal and administrator. Learn how to present your knowledge and skills to assist learners in grasping new information, apply what they have learned, and become successful learners.

7410C Human Growth & Development
Credit: 1
Prerequisite: None; Principles of Education & Training for Education & Training Endorsement
What does learning to walk have to do with brain development? Why are social interactions so important for late adults to help them maintain a healthy self-esteem? These topics and many more are explored in the study of human development across the life span from pre-natal to late adulthood. Areas of study include developmental milestones, current trends in research, theories and human relationships. You will also explore careers related to human development, which leads into further studies at the post-secondary level. This course can earn college credit based on Articulation agreements, which are subject to change.

7420C Instructional Practices
Credit: 2
Prerequisite: Human Growth & Development; Student must complete an interest form for enrollment and attend a meeting with instructor. Do you remember that teacher who had such an impact on your life? Have you considered entering the education field but are unsure where in that field you would fit? This year-long course is for students interested in exploring the field of teaching through observation, discovery, lecture, cooperative learning, speakers, analysis of current issues, and utilization of technology. Learn about education areas of early childhood, elementary and secondary instruction as well as special populations. Practice a variety of hands-on activities using instructional strategies and research-based
decision making techniques. Each student will work as a teacher assistant in various areas and levels to explore various career options. Transportation to and from internship is provided by the district. Training station evaluation will count as 30% of the student’s grade. This course can earn college credit based on Articulation agreements, which are subject to change.

7430C Practicum in Education & Training
Credit: 2
Prerequisite: Instructional Practices
Student must complete an interest form for enrollment, complete a Background Check through the District and attend a meeting with instructor. Students in this course will participate in a work-based learning training station (unpaid) and must be a minimum age of 16.
Want some actual hands-on experiences working with children? Is teaching right for you? This year-long course offers students the chance to actually shadow and assist teachers in an unpaid internship setting. Work with classroom teachers at the elementary and/or secondary level to understand effective instructional techniques for all learners; internships are developed by the high school instructor of the course. Transportation to and from the internship is provided by the district. Training station evaluation will count as 30% of the student’s grade. This course can earn college credit based on Articulation agreements, which are subject to change.

7840C Child Guidance
See course description in Human Services Career Cluster

FINANCE CAREER CLUSTER

FINANCE

7515C Money Matters
Credit: 1
Prerequisite: None
What does it take to run a business? This course helps students to prepare for Accounting courses along with planning for future financial goals, both personally and business success. Special emphasis is placed on bank record management, use of credit, investing, insurance and budgets. You are introduced to financial market and securities analysis. Current economic events dictate that it is never too early for students to gain an awareness of factors that will impact their short-term and long-term financial plans. This course can earn college credit based on Articulation agreements, which are subject to change.

7530C Accounting I
Credit: 1
Prerequisites: Money Matters
Learn the skills to keep track of where your money goes and the reason for keeping financial records. You will record, classify, summarize, analyze and communicate the accounting process. Become acquainted with industry standards as well as economic, financial, technological, international, social, legal and ethical factors. QuickBooks software is introduced in this course. This course can earn college credit based on Articulation agreements, which are subject to change.

7540C Accounting II
Credit: 1
Prerequisite: Accounting I
Would you like to make a lot of money, become a highly paid Chief Financial Officer of a corporation? Continue and expand the technological skills learned in Accounting I, as you engage in various managerial and cost accounting activities. Formulate and interpret financial information applicable to the business environment that is used for management decision making. QuickBooks software is continued in this course. Industry certification testing will be available for QuickBooks to all students meeting testing criteria; see teacher for these details. This course can earn college credit based on Articulation agreements, which are subject to change.

7560 Statistics & Business Decision Making
See course description in Math section

7539C Accounting II
See Course description in Math section

HEALTH SCIENCE CAREER CLUSTER

MEDICAL SCIENCE

7619C Principles of Health Science
Credit: 1
Prerequisite: None
Is your future in the health care field? Learn the essential elements related to the health care field: medical terminology, anatomy and physiology, human growth and development, CPR, first aid, the basic concepts of illness and wellness, medical communications skills for both patients and medical staff. Learn how to create a dental mold, insert an IV, or create a compound are just a few of the hands-on activities you will explore in this course. This course can earn college credit based on Articulation agreements, which are subject to change.

7620C Medical Terminology
Credit: 1
Prerequisite: Biology or concurrent enrollment and Principles of Health Science for Health Science Endorsement
Develop a working knowledge of the language used by health care workers. Learn how to identify medical terminology as it relates to the body systems, as it is used in the medical environment. Learn the study of word origin and structure through the introduction of prefixes, suffixes, root words, plurals, abbreviations and symbols, surgical procedures, medical specialties and diagnostic procedures. This course can earn college credit based on Articulation agreements, which are subject to change.
**7621C Health Science Theory**  
Credit: 1  
Prerequisite: Principles of Health Science and Medical Terminology. Anatomy & Physiology concurrent enrollment recommended  
This course will introduce students to a variety of medical professions. Health care professionals need knowledge and skills to communicate using medical terms, chart patient care, and provide First Aid training. Learn how to read an X-Ray, calculate dosage, or grow and monitor live cultures are just a few of the hands-on activities you will explore in the Health Theory course. This course can earn college credit based on Articulation agreements, which are subject to change.

**7622C Health Science Clinical**  
Credit: 2  
Prerequisite: Principles of Health Science/Health Science; Medical Terminology and Junior year. Anatomy & Physiology concurrent enrollment recommended; Student must complete an interest form for enrollment and attend a meeting with the instructor.  
This course consists of Health Science Theory and Health Science Clinical. Students will receive a thorough understanding of the healthcare industry through classroom and rotational experiences. Rotations will include shadowing medical personnel in a variety of departments which may include physical therapy, radiology, nursing care, pharmacy, emergency room, surgery, ICU, and medical records. Industry certification testing will be available for CPR and EKG to all students meeting testing criteria, see teacher for these details. Students will be screened to determine eligibility and access to medical facilities. Enrollment is limited due to medical facility guidelines. Additional fees may apply. Mandatory medical facility requirements may apply including, but not limited to, a criminal background check, fingerprinting, drug screening, and age limitations. Transportation provided. This course can earn college credit based on Articulation agreements, which are subject to change.

**7625C Pharmacology**  
Credit: 1  
Prerequisite: Principles of Health Science, Medical Terminology, Health Science/Health Science Theory or Health Science Clinical; Recommended Anatomy & Physiology (may be taken concurrently). Pharmacology is required to be taken the final year of high school.  
Become certified or licensed as a Pharmacy Technician. Complete an intense study of the basic terms and definitions while learning the ethical issues involved in the profession. Master Certification tests are taken after graduation which requires proof of diploma. This course can earn college credit based on Articulation agreements, which are subject to change.

**7626W Practicum in Health Science: Certified Nursing Assistant (CNA)**  
Credit: 2  
Prerequisite: Medical Terminology, Health Science/Health Science Theory or Health Science Clinical; Anatomy & Physiology or Medical Microbiology (may be taken concurrently). CNA is to be taken final year of high school. Student must complete an interest form for enrollment and attend a meeting with instructor. Student must complete WCJC online application; provide Permit to Register, transcripts, shot record and TB test. See WCJC for additional enrollment and orientation process requirements. This course provides the knowledge and skills for certification and employment as a Certified Nurse Aide (CNA). The course will be taught in both the classroom and an offsite facility. Course includes hands-on labs, communication and interpersonal skills, medical terminology, and career development. Students will also be required to complete at least 40 hours of clinical training (which includes care of nursing home residents) in order to sit for the state Certified Nurse Aide certification exam. Students will be expected to assist in taking vital signs, bathing, dressing, making beds, assisting with meals, and other direct resident care. Student enrollment is limited due to medical facility guidelines. Mandatory medical facility requirements may apply including, but not limited to, a criminal background check, fingerprinting and drug screening. Additional costs may include, but are not limited to, scrubs, required personal laboratory tools, immunizations, TB testing and required certification fees. Course is taught at THS only and enrollment is limited. Transportation provided.

**7627W Practicum in Health Science-General**  
Credit: 2  
Prerequisite: Health Science/Health Science Theory or Health Science Clinical and taken final year of high school; Student must complete an Interest form for enrollment and attend a meeting with the instructor. Students will participate in a teacher-approved training station (onsite or offsite, paid or unpaid) for continuation in this course; must be a minimum age of 16 and hold a valid work permit.  
Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.  
The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This course requires employment to allow students to become proficient in a Health Science area. The coursework will focus on customer service, patient care, and technology. Industry certification testing will be available for CMA to all students meeting testing criteria; see teacher for these details.
Practicum in Health Science: Emergency Medical Technician (EMT) – Dual with WCJC

7627EW Practicum in Health Science-General Extended
Credit: 3
Prerequisite: Health Science/Health Science Theory or Health Science Clinical and taken final year of high school. Student must complete an interest form with the instructor. Extended is for students who work a minimum of 15 hours a week in a teacher-approved training station (paid or unpaid off site) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.
This course completes the coherent sequence in the field of Health Science. This occupationally specific course is designed to provide classroom technical instruction and on-the-job training experiences. Students will work on fine tuning their Health Science skills, safety, work ethics, and job-related study in the classroom. Instructor will provide industry standard training. Industry certification testing is offered to all students meeting testing requirement; see teacher for details.

7629AD (Fall) 7629CD (Fall)
Credit: 3
Prerequisite: Biology; Health Science Theory for EMT endorsement; College/University requirements; this course is offered at WCJC Richmond campus; additional qualifications as per course handout. Students must be CPR certified prior to the start of the course series. WCJC Course number: EMSP 1501 (course taught at FBTC); and EMSP 1160 (Course meeting times TBD at clinical sites)
These courses can lead to Emergency Medical Technician (EMT) certification and include all the skills necessary to provide emergency medical care at a basic life support level with an ambulance service or other specialized services. The student will display a working knowledge of clinical information and related topics relevant to the practice of pre-hospital emergency medical care of the EMT level. Clinical experiences are unpaid external learning experiences and students need to complete 72 hours of clinical time. Uniforms must be worn to class and must be purchased by the student. Tuition, fees and student admission procedures for this course will be the outlined to the student; students are responsible for payment of college tuition, fees and books required for this course along with their own transportation to and from the campus. Students must submit a WCJC EMT program application prior to enrolling. Refer to the section describing Dual/Concurrent College Courses in the “High School Overview” page of this catalog. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

Practicum in Health Science II: Advanced Emergency Medical Technician (AEMT) – Dual with WCJC

7631BD (Spring; Completion of 7629 required)
Credit: 3
Prerequisite: Practicum in Health Science EMT; College/University requirements; this course is offered at WCJC Wharton campus; additional qualifications as per course handout. Students must have completed EMSP 1501, EMSP 1160 and taken/passed their EMT certification exam before eligible to take this next dual credit course. WCJC Course number: EMSP 1291.
This series of courses can lead to the Advanced Emergency Medical Technician (EMT) certification and continues to instruct students in trauma management, patient assessment and airway management, cardiology and clinical experiences. Clinical experiences are unpaid external learning experiences and students need to complete 196 hours of clinical time during this next series of courses. Uniforms must be worn to class and must be purchased by the student. Tuition, fees and student admission procedures for this course will be the outlined to the student; students are responsible for payment of college tuition, fees and books required for this course along with their own transportation to and from the campus. Students must submit a WCJC EMT program application prior to enrolling. Refer to the section describing Dual/Concurrent College Courses in the “High School Overview” page of this catalog. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

7550W Medical Billing & Coding
Credit: 1
Prerequisite: Biology, Principles of Health Science/Health Science, Health Science Theory or Health Science Clinical
The MBC program is designed to equip students with the knowledge, technical skills, and work habits required for an entry-level position in the medical insurance billing and coding field by offering problem-solving exercises by utilizing real-world scenarios. This program places a strong emphasis on ethics, accountability, professionalism, and the individuals’ commitment to the pursuit of lifelong personal, educational and professional development, as it relates to the medical insurance billing and coding field. The Medical Billing & Coding Program prepares and qualifies students to sit for the national certification exam as an Insurance Coding Specialist through NCCT Inc.

7640C Anatomy & Physiology
See course description in Science section

7650C Medical Microbiology
See course description in Science section
HOSPITALITY AND TOURISM
CAREER CLUSTER
CULINARY ARTS

7715 Introduction to Culinary Arts
Credit: 1
Prerequisite: None
Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide safety and sanitation, insight to food production skills, various levels of industry management, and hospitality skills. This is an entry-level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

7720C Culinary Arts
Credit: 2
Prerequisite: Introduction to Culinary Arts
Learn the culinary skills and techniques associated with working on a luxury cruise ship or in a five diamond kitchen or hotel. This is a year-long course that provides opportunities for real business and career experiences that occur in a culinary environment. Gain experience with various food service concepts and styles of service. Knife skills, safety and sanitation, essential cooking techniques, menu planning, and how to use standardized recipes are some of the key concepts of this course. Come aboard and begin your voyage into one of the most challenging careers in the hospitality industry! Industry certification testing will be available for Food Handlers to all students meeting testing criteria; see teacher for details. This course can earn college credit based on Articulation agreements, which are subject to change.

7730C Advanced Culinary Arts
Credit: 2
Prerequisites: Culinary Arts
Want to work your way to become a Top Chef? If so, this Practicum class is your road map to getting there. Continue safety and sanitation concepts learned in Culinary Arts. Advanced Culinary Arts will provide opportunities for real business and career experiences. Let your creativity shine as you develop menus, test recipes, practice cost control and customer service. Industry certification testing will be available for Food Handlers and ServSafe Managers to all students meeting testing criteria; see teacher for details. This course can earn college credit based on Articulation agreements with Art Institute of Houston and the Culinary Institute Le Norte; which are subject to change.

7735CE Practicum in Culinary Arts - Extended
Credit: 3
Prerequisite: Advanced Culinary Arts
Student must complete an interest form for enrollment and attend a meeting with the instructor. Extended is for students who work a minimum of 15 hours a week in a teacher-approved training station (paid or unpaid off site) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience working at least 10 hours per week. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.

7740 Food Science
See course description in Science section

7735C Practicum in Culinary Arts
Credit: 2
Prerequisite: Advanced Culinary Arts
Student must complete an interest form for enrollment and attend a meeting with the instructor. Students will participate in a teacher-approved training station (onsite or offsite, paid or unpaid) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience working at least 10 hours per week. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.

If you are certain that becoming a certified chef, restaurant owner or operator is in your future, then Practicum in Culinary Arts will definitely put you on the right path. Gain experience managing an on-site café, and catering service or working in an off-site culinary training station. In this year-long course you will continue to learn culinary skills, gain additional management experience, study global cuisines, participate in culinary competitions, and create a professional career portfolio. Certification in ServSafe is available to all students meeting testing criteria; see teacher for these details. This course can earn college credit based on Articulation agreements with the Art Institute of Houston and the Culinary Institute Le Norte, which are subject to change.

This course completes the coherent sequence in the field of Culinary Arts. This occupationally specific course is designed to provide classroom technical instruction and on-the-job training experiences. Students will work on fine tuning their Culinary Arts skills, safety, work ethics, and job-related study in the classroom. Instructor will provide industry standard training. Industry certification testing is offered to all students meeting testing requirement; see teacher for details. This course can earn college credit based on Articulation agreements with the Art Institute of Houston and the Culinary Institute Le Norte, which are subject to change.

See course description in Science section
HUMAN SERVICES CAREER CLUSTER

HUMAN SERVICES

7820C Lifetime Nutrition & Wellness
Credit: .5
Prerequisite: None
We have all heard the saying ‘you are what you eat’. Develop knowledge and skills related to making informed choices regarding how our eating habits affect our way of life. Information on eating disorders, exercise options and other factors relating to nutrition and wellness will be discussed. The food labs will focus on healthy eating habits, safety and sanitation and management principles. This course can earn college credit based on Articulation agreements, which are subject to change.

7840C Child Guidance
Credit: 2
Prerequisite: Human Growth & Development; Student must complete an interest form for enrollment and attend a meeting with the instructor.
Learn what is related to the child’s growth and guidance that assists them in developing positive relationships, creating effective caregiver skills, promoting the well-being and the healthy development of children. Units that will be covered are: professionalism, child care management; safety, nutrition, health & wellness; child growth & development; guidance, career and success at work. Each student will work as a Teacher Assistant in various areas and levels to explore various career options. Hours spent as Teacher Assistant may apply toward completion of Child Development Associate certification. Transportation to and from Preschool is provided by the District. This course can earn college credit based on Articulation agreements, which are subject to change.

7850W Practicum in Human Services
Credit: 2
Prerequisite: Child Guidance; Student must complete an Interest form for enrollment and attend a meeting with the instructor. Students will participate in a teacher-approved training station(on site or off site, paid or unpaid) for continuation in this course; must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience working at least 10 hours per week. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.
Practicum in Human Services provides on-the-job training which focus in one or more of the following areas: consumer services, early childhood development and services, counseling and mental health services, and/or family and community services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster as well as the essential knowledge and skills described in subsection (c) of this section for communication, critical thinking, problem solving, information technology, ethical and legal responsibilities, leadership, teamwork, and entrepreneurship. Hours spent as Teacher Assistant may apply toward completion of Child Development Associate certification.

7410C Human Growth & Development
See course description in Education & Training Career Cluster section

INFORMATION TECHNOLOGY CAREER CLUSTER

COMPUTER TECHNOLOGY

7910C Principles of Information Technology
Credit: 1
Prerequisite: None
This course will begin to prepare students for a career as a computer technician. PC hardware and software will be introduced. Learn the art of troubleshooting PC problems. You will be exposed to both operating system software, including an introduction to the Microsoft Office Suite. Networking, computer security, and webpage creation will also be introduced. This course can earn college credit based on Articulation agreements, which are subject to change.

7950C Digital Media
Credit: 1
Prerequisite: None
In this course, you will create and manipulate text, graphics, audio, video, and animation with editing software. With the use of interactive media, you will be able to identify appropriate software needed to solve customer needs and resolve real world problems. Software used in this class includes Adobe Photoshop (graphics), FLASH (animation), and Movie Maker/Movie Maker Live (video editing software). Industry certification testing in Adobe Photoshop is offered to all students meeting testing requirement; see teacher for details. This course can earn college credit based on Articulation agreements, which are subject to change.

7921CL Computer Maintenance Lab
Credit: 2
Prerequisite: Principles of Information Technology; Students must complete an Interest form for enrollment and attend a meeting with instructor.
This course continues the study of PC hardware and software using LabSim, with a strong focus on preparation for the CompTIA A+ exam, as well as emphasis on creating well-rounded technicians, who are capable of providing both support and preventative maintenance to all types of customers. Industry certification testing in CompTIA A+ is offered to all students meeting testing requirement; see teacher for details. Course taught at THS only, but available to students at all LCISD high schools. Transportation provided. Enrollment is limited. This course can earn college credit based on Articulation; which are subject to change.
Computer Technician Practicum
7939C (1st time taken)
7940C (2nd time taken)
Credit: 2
Prerequisite: Computer Maintenance Lab; Recommended A+ Certification. Students must complete an interest form for enrollment and attend a meeting with the instructor. Students in this course will participate in a teacher-approved training station (unpaid) for continuation in this course and must be a minimum age of 16.
This course completes the study of PC hardware, software, and networking. You will conduct a more in-depth study of the aspects of the previous courses with a focus on passing CompTIA A+ Certification. Industry certification testing is offered to all students meeting testing requirement; see teacher for details. Course taught at THS only, but available to students at all LCISD high schools. Transportation provided. Enrollment is limited. This course can earn college credit based on Articulation agreements; which are subject to change.

Computer Technician Practicum – Extended
7939CE (1st time taken)
7940CE (2nd time taken)
Credit: 3
Prerequisite: Computer Maintenance Lab; Recommended A+ Certification; Student must complete an interest form for enrollment and attend a meeting with the instructor. Extended is for students who work a minimum of 15 hours a week in a teacher-approved training station (paid or unpaid off site) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.
This course completes the coherent sequence in the field of Information Technology. This occupationally specific course is designed to provide classroom technical instruction and on-the-job training experiences. Students will work on fine tuning their Information Technology skills, safety, work ethics, and job-related study in the classroom. Instructor will provide industry standard training. Industry certification testing is offered to all students meeting testing requirement; see teacher for details. Course taught at THS only, but available to students at all LCISD high schools. Transportation provided. Enrollment is limited.

Computer Technician Practicum – Dual with TSTC
7940AD (Fall)
7940BD (Spring)
Credit: 2
Prerequisite: Computer Maintenance Lab; Recommended A+ Certification.
Student must complete TSTC online application; provide Permit to Register, transcripts, shot record; and attend a meeting with TSTC Academic Advisor. See TSTC for additional enrollment and orientation process requirements. This course is taken as part of TSTC dual credit pathway for Cyber Security Technology. Successful completion will result in TSTC credit. Course will take place at the TSTC campus. Transportation provided. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

Networking – Dual with TSTC Cyber Security Pathway
7931AD (Fall)
Credit: 1
Prerequisite: Computer Maintenance Lab
Student must complete TSTC online application; provide Permit to Register, transcripts, shot record; and attend a meeting with TSTC Academic Advisor. See TSTC for additional enrollment and orientation process requirements. This course is taken as part of TSTC dual credit pathway for Cyber Security Technology. Successful completion will result in TSTC credit. Course will take place at the TSTC campus. Transportation provided. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

Computer Programming I – Dual with TSTC Cyber Security Pathway
7942BD (Spring)
Credit: 1
Prerequisite: Computer Maintenance Lab
Student must complete TSTC online application; provide Permit to Register, transcripts, shot record; and attend a meeting with TSTC Academic Advisor. See TSTC for additional enrollment and orientation process requirements. This course is taken as part of TSTC dual credit pathway for Cyber Security Technology. Successful completion will result in TSTC credit. Course will take place at the TSTC campus. Transportation provided. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

LAW, PUBLIC SAFETY, CORRECTIONS
& SECURITY CAREER CLUSTER

LAW ENFORCEMENT

8110 Law Enforcement I
Credit: 1
Prerequisite: None
Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime. You will analyze law related to victims and witnesses.

8120C Law Enforcement II
Credit: 1
Prerequisite: 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. The student achieves the academic knowledge and skills required to prepare for post-secondary education and a career in law. Explore civil law enforcement procedures for serving writs, warrants, and summons enforcement. Present testimony in legal proceedings in accordance with courtroom procedures. Explore new and emerging technologies in law enforcement. This course can earn college credit based on Articulation agreements; which are subject to change.

8130C Courts Systems & Practices
Credit: 1
Prerequisite: Law Enforcement II
This is an overview of the federal and state court systems, that identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation. This course can earn college credit based on Articulation agreements, which are subject to change.

8131W Correctional Services
Credit: 1
Prerequisite: Court Systems & Practices
This course will prepare you for certification required for employment as a correctional officer. Learn the role and responsibilities of a correctional officer; discuss relevant rules, regulations, and laws; discuss defensive tactics, restraint techniques, and first aid procedures as used in the correctional setting. The student will analyze rehabilitation and alternatives to institutionalization. This course can earn college credit based on Articulation agreements which are subject to change. The Basic Correctional Officer Certification and the National Emergency Communications Certification 911 testing will be available to all students meeting testing criteria; see teacher for these details.

8153W Practicum in Law, Public Safety, Correction and Security
Credit: 2
Prerequisite: Court Systems and Practices
Student must complete interest form for enrollment and attend a meeting with instructor. Students will participate in a teacher-approved training station (onsite or offsite, paid or unpaid) of 16 and hold a valid work documentation to enroll in a paid practicum experience working at least 10 hours per week. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.
This course completes the coherent sequence in the field of Law, Public Safety, Corrections, and Security. This occupationally specific course is designed to provide classroom technical instruction and on-the-job training experiences. Students will work on fine tuning their Law, Public Safety, Corrections, and Security skills, safety, work ethics, and job-related study in the classroom. Instructor will provide industry standard training as well as Industry certifications opportunities.

8140C Forensic Science
See course description in Science section

MANUFACTURING CAREER CLUSTER
MANUFACTURING

7181C Welding I
Credit: 2
Prerequisite: Agriculture/Mechanics & Metal Technologies
Here’s your next step in your welding pathway. This course is designed to continue to advance your welding skills. Instructor will provide industry standard training and students will work toward AWS certification. This course can earn college credit based on Articulation agreements, which are subject to change.

Welding I – Dual with TSTC Welding Pathway
7181AD (Fall)
7181BD (Spring)
7181WD for Cohort 2022 (Fall)
7181XD for Cohort 2022 (Spring)
Credit: 2
Prerequisite: Agriculture/Mechanics & Metal Technologies
Student must complete TSTC online application; provide Permit to Register, transcripts, shot record; and attend a meeting with TSTC Academic Advisor. See TSTC for additional enrollment and orientation process requirements. Student must comply with TSTC uniform policy regarding appropriate shop attire. This course is taken as part of TSTC dual credit pathway for Welding Technology.
Successful completion will result in TSTC credit. Course will take place at the TSTC campus. Transportation provided. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

**7183C Welding II**
Credit: 2
Prerequisite: Welding I
Rapid advances in welding technology and industry demands for skilled employees have created a high need for this career pathway. Learn the technical skills and academic integration to become a successful worker in this industry. Instructor will provide industry standard training and students will work toward AWS certification. This course can earn college credit based on Articulation agreements, which are subject to change.

**Welding II – Dual with TSTC Welding Pathway**
**7183AD (Fall)**
**7183BD (Spring)**
Credit: 2
Prerequisite: Welding I (Dual).
Student must complete TSTC online application; provide Permit to Register, transcripts, shot record; and attend a meeting with TSTC Academic Advisor. See TSTC for additional enrollment and orientation process requirements. Student must comply with TSTC uniform policy regarding appropriate shop attire. This course is taken as part of TSTC dual credit pathway for Welding Technology. Successful completion will result in TSTC credit. Course will take place at the TSTC campus. Transportation provided. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

**Precision Metal Manufacturing II – Dual with TSTC Precision Machining Pathway**
**7186AD (Fall)**
**7186BD (Spring)**
Credit: 2
Prerequisite: Precision Metal Manufacturing I (Dual).
Student must complete TSTC online application; provide Permit to Register, transcripts, shot record; and attend a meeting with TSTC Academic Advisor. See TSTC for additional enrollment and orientation process requirements. Student must comply with TSTC uniform policy regarding appropriate shop attire. This course is taken as part of TSTC dual credit pathway for Precision Machining Technology. Successful completion will result in TSTC credit. Course will take place at the TSTC campus. Transportation provided. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions.

**MARKETING CAREER CLUSTER**
**MARKETING & SALES**

**8225 Advertising**
Credit: .5
Prerequisite: None
Do you have what it takes to create the next big Super Bowl ad? This semester course introduces students to consumer behavior and advertising techniques; as well as explore print, broadcast, and online media sales promotion.

**8230 Sports & Entertainment Marketing**
Credit: .5
Prerequisite: None
Why do athletes and entertainers make so much money from endorsements? This semester-long course provides students with basic marketing strategies, advertising, sponsorship, and customer service in the sports and entertainment fields, to include sporting events, movies, TV, amusement parks, travel & tourism, theater, stadium design, event planning, and recording contracts. The business, financial, and legal aspects of the industry are discussed.

**8210C Entrepreneurship**
Credit: 1
Prerequisite: Advertising and Sports & Entertainment Marketing
Want to be your own boss? This year-long course provides you with the skills necessary to start and operate your own business. Analyze various forms of business ownership, marketing strategies to promote the business, and financial planning tools in order to be profitable. Learn how to create and write a business plan. This course can earn college credit based on Articulation agreements, which are subject to change.
8240C Advanced Marketing
Credit: 2
Prerequisite: One credit from the Marketing Cluster, recommended Practicum in Marketing or Entrepreneurship for Business & Industry Marketing declared Endorsement pathway.
Marketing is a component of most careers. This course will cover marketing concepts including customer service, branding & extended products, finance (quotas and sales records), international factors, laws & regulations, management of selling, purchasing process & buying plans. Projects will include creating a public relations promotion for a business, investigating possible solutions to marketing issues; and researching and analyzing demands while forecasting sales. Students will illustrate appropriate management and research skills to solve problems related to marketing, with the use of technology, communication, and customer-service skills. This course can earn college credit based on Articulation agreements, which are subject to change.

Practicum in Marketing
8250W (1st time taken)
8251 (2nd time taken)
Credit: 2
Prerequisite: Advertising, Sports & Entertainment, and Entrepreneurship; Student must complete interest form for enrollment and attend a meeting with the instructor. Students will participate in a teacher-approved training station (onsite or offsite, paid or unpaid) for continuation in this course; must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience working at least 10 hours per week. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade. This course requires employment to allow students to become proficient in a marketing area. The coursework will focus on customer service, market research, and technology. Industry certification testing is offered to all students meeting testing requirement; see teacher for details.

Practicum in Marketing - Extended
8250EW (1st time taken)
8251E (2nd time taken)
Credit: 3
Prerequisite: Advertising, Sports & Entertainment, and Entrepreneurship. Student must complete an interest form for enrollment and attend a meeting with the instructor. Extended is for students who work a minimum of 15 hours a week in a teacher-approved training station (paid or unpaid off site) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.

This course completes the coherent sequence in the field of Marketing. This occupationally specific course is designed to provide classroom technical instruction and on-the-job training experiences. Students will work on fine tuning their Marketing skills, safety, work ethics, and job-related study in the classroom. Instructor will provide industry standard training. Industry certification testing is offered to all students meeting testing requirement; see teacher for details.

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS CAREER CLUSTER
ENGINEERING

8340C Introduction to Engineering Design (IED) - PLTW
Credit: 1
Prerequisite: None
If you can imagine it, you can design and engineer it in the Introduction to Engineering Design class. Students who want to use software and other technology to solve problems through designing and translating the design into a real product will enjoy this hands-on approach to exploring engineering as a career. This course can earn college credit based on Articulation agreements, which are subject to change.

PLTW Engineering Specialization Courses
Credit: 1
Prerequisite: Introduction to Engineering Design
What would it feel like to have the expertise to build a school that could withstand an earthquake, help design the space vehicles that take people to Mars, develop systems to use computers that help humans and robots to efficiently interact, or develop artificial lenses that restore sight to blind people? The Engineering Specialization allows students to apply what they have learned in STEM courses to a more specific area of engineering. *Campus specific course.

8331C AeroSpace Engineering LCHS, THS
Students will explore the physics of flight and bring what they’re learning to life through hands-on projects such as designing a glider and creating a program for an autonomous space rover. This course can earn college credit based on Articulation agreements with the Rochester Institute of Technology, which are subject to change.

8332C Civil Engineering & Architecture THS, LCHS, GRHS Students will learn important aspects of building and site design and development, and then they will apply what they know to design a commercial building. This course can earn college credit based on Articulation agreements with the Rochester Institute of Technology, which are subject to change.

8333C Computer Integrated Manufacturing FHS, CFHS Students will discover and explore manufacturing processes, product design, robotics, and automation, and
then they will apply what they have learned to design solutions for real-world manufacturing problems. This course can earn college credit based on Articulation agreements with the Rochester Institute of Technology, which are subject to change.

8334W Environmental Sustainability GRHS, FHS, CFHS
In Environmental Sustainability, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply, and renewable energy. Applying their knowledge through hands-on activities and simulations, student's research and design potential solutions to these true-to-life challenges.

8330C Engineering Science - PLTW
See Science section for Science credit
Credit: 1
Prerequisite: A PLTW Engineering Specialization course
This course is an introduction to engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. This course can earn college credit based on Articulation agreements with the Rochester Institute of Technology, which are subject to change.

8320C Digital Electronics (DE) – PLTW
See Math section for Math credit
Credit: 1
Prerequisite: A PLTW Engineering Specialization course
Digital Electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras and high-definition televisions. The major focus of this course is to expose students to the process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation. This course can earn college credit based on Articulation agreements with the Rochester Institute of Technology, which are subject to change.

8326C Engineering Design & Problem Solving: PLTW
See Science section for Science credit
Credit: 1
Prerequisite: Three PLTW credits, Algebra II, Chemistry & Physics
This engineering research course allows students to work in teams to research, design, and construct a solution to an open-ended engineering problem. This course can earn college credit based on Articulation agreements with the Rochester Institute of Technology, which are subject to change.

8360C Principles of Technology
See course description in Science section

TRANSPORTATION, DISTRIBUTION, & LOGISTICS CAREER CLUSTER

TRANSPORTATION TECHNOLOGY

8410 Energy and Power of Transportation Systems
Credit: 1
Prerequisite: None
Are you interested in exploring a career in the high-paying automotive industry? If so, begin your journey with this course that is taught by an ASE Certified Instructor. The course provides a basic understanding of safety, automotive careers, automotive systems and the Automotive Service Excellence (ASE) technician’s certification process. Completion of SP2 safety certification is required to participate and advance in this course.

8420 Automotive Technology I: Maintenance & Light Repair
Credit: 2
Prerequisite: Energy and Power of Transportation Systems; Student must complete an interest form for enrollment and attend information meeting with instructor. This is the second course in the sequence and allows students the opportunity to practice safety, theory, diagnosis and repair in the areas of brakes, steering and suspension, electrical, and engine performance. The course is one step in preparing students for college and automotive manufacturer’s training and automotive industry certification that is taught by an ASE certified instructor. Job shadowing may be included. Be prepared to and possibly participate in the Automotive Service Excellence certification exam in Brakes, Suspension and Steering, Electrical/Electronic Systems and Engine Performance. If the student is involved in a job shadowing experience, transportation to and from the training site is the responsibility of the student. Course taught at LCHS only, but available to students at all LCISD high schools. Enrollment is limited. Transportation provided to and from class. Completion of SP2 safety certification is required to participate and advance in this course.

Automotive Technology I: Maintenance & Light Repair – Dual
8420AD (Fall)
8420WD (Fall) for Cohort 2022
8420BD (Spring)
8420XD (Spring) for Cohort 2022
Credit: 2
Prerequisite: Energy and Power of Transportation Systems; See College for requirements. Course offered in conjunction with TSTC, see above for course description. Course taught at LCHS only, but available to students at all LCISD high schools. Enrollment is limited. Refer to the section describing Dual/Concurrent College Courses in the “High School Overview” page of this catalog. Student must
complete TSTC orientation process. Student must complete TSTC online application; provide Permit to Register, and transcripts. See TSTC for additional enrollment and orientation process requirements. This course is taken as part of the TSTC dual credit pathway for Diesel Equipment Technology. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions. Completion of SP2 safety certification is required to participate and advance in this course.

8430C Automotive Technology II: Automotive Service
Credit: 2
Prerequisite: Automotive Technology I: Student must complete an interest form for enrollment and attend a meeting with the instructor.
This course is designed for students who are planning a career in the automotive industry. This course allows students the opportunities to practice advanced theory, diagnosis and repair in the areas of brakes, steering and suspension, electrical, and engine performance. Students will solve automotive problems and prepare for post-secondary training and/or automotive industry certification and is taught by an ASE certified instructor. Students will be prepared to and possibly participate in the Automotive Service Excellence-ASE certification exam in Brakes, Suspension and Steering, Electrical/Electronic Systems and Engine Performance. If the student is involved in a job shadowing experience, transportation to and from the training site is the responsibility of the student. Course taught at LCHS only, but available to students at all LCISD high schools. Transportation provided. Enrollment is limited. This course can earn college credit based on Articulation agreements, which are subject to change. Completion of SP2 safety certification is required to participate and advance in this course.

Automotive Technology II: Automotive Service - Dual
8430AD (Fall)
8430BD (Spring)
Credit: 2
Prerequisite: Automotive Technology I: Maintenance & Light Repair Dual
See College for requirements. Course offered in conjunction with TSTC, see above for course description. Course taught at LCHS only, but available to students at all LCISD high schools. Enrollment is limited. Refer to the section describing Dual/Concurrent College Courses in the “High School Overview” page of this catalog. Student must complete TSTC orientation process. Student must complete TSTC online application; provide Permit to Register, and transcripts. See TSTC for additional enrollment and orientation process requirements. This course is taken as part of the TSTC dual credit pathway for Diesel Equipment Technology. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions. Completion of SP2 safety certification is required to participate and advance in this course.

8440C Practicum in Transportation Systems
Credit: 2
Prerequisite: Automotive Technology I: Maintenance & Light Repair; or Automotive Technology II: Automotive Services; AYES process completed and approved. Student must complete an interest form for enrollment and attend a meeting with the instructor. Students will participate in a teacher-approved, previously determined AYES training station (onsite or offsite, paid or unpaid) for continuation in this course, must be a minimum age of 16, and hold a valid work documentation to enroll in this paid practicum experience working at least 10 hours per week. Transportation to and from the AYES/job training site is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.
Advanced, selected students, who are seeking a career in the automotive industry, will have the opportunity to practice advanced diagnosis and repair in the areas of brakes, steering and suspension, electrical, and engine performance in this class taught by an ASE certified instructor. Select students will be able to participate in on-the-job training allowing them to work with a mentor in an automotive dealership. Students will be prepared to and expected to complete an Automotive Service Excellence certification exam. Course taught at LCHS only, but available to students at all LCISD high schools. Transportation provided. This course can earn college credit based on Articulation agreements which are subject to change. Completion of SP2 safety certification is required to participate and advance in this course.

8440CE Practicum in Transportation Systems - Extended
Credit: 3
Prerequisites: Automotive Technology I: Maintenance & Light Repair; or Automotive Technology II: Automotive Services AYES process completed and approved.
Student must complete an interest form for enrollment and attend a meeting with the instructor. Extended is for students who work a minimum of 15 hours a week in a teacher-approved training station (paid or unpaid off site) for continuation in this course, must be a minimum age of 16 and hold a valid work documentation to enroll in a paid practicum experience. Transportation to and from the training station is the responsibility of the student. Workplace visits required by teacher of record every 6 weeks. Training station evaluation will count as 30% of the student’s grade.
This course completes the coherent sequence in the field of Transportation Systems. This occupationally specific course is designed to provide classroom technical instruction and on-the-job training experiences. Students will work on fine tuning their Transportation Systems skills, safety, work ethics, and job-related study in the classroom. Instructor will provide industry standard training. Industry certification testing is offered to all students meeting testing requirement; see teacher for details. Completion of SP2 safety certification is required to participate and advance in this course.
Diesel Equipment Technology I - Dual with TSTC Diesel Equipment Technology Pathway
8450AD (Fall)
8450BD (Spring)
Credit: 2
Prerequisite: Automotive Technology I: Maintenance & Light Repair and College/University Requirements; Recommended: Automotive Technology II: Automotive Service.
Student must complete TSTC online application; provide Permit to Register, transcripts, shot record; and attend a meeting with TSTC Academic Advisor. See TSTC for additional enrollment and orientation process requirements. Student must comply with TSTC uniform policy regarding appropriate shop attire. This course is taken as part of TSTC dual credit pathway for Diesel Equipment Technology. Successful completion will result in TSTC credit. Industry certification testing is offered to all students meeting testing requirement; see teacher for details. Course will take place at the TSTC campus. Transportation provided. This course is not eligible for semester exam exemptions.

Diesel Equipment Technology II - Dual with TSTC Diesel Equipment Technology Pathway
8460AD (Fall)
8460BD (Spring)
Credit: 2
Prerequisite: Diesel Mechanics I, College/University Requirements;
Student must complete TSTC online application; provide Permit to Register, transcripts, shot record; and attend a meeting with TSTC Academic Advisor. See TSTC for additional enrollment and orientation process requirements. Student must comply with TSTC uniform policy regarding appropriate shop attire. This course is taken as part of TSTC dual credit pathway for Diesel Equipment Technology. Successful completion will result in TSTC credit. Industry certification testing is offered to all students meeting testing requirement; see teacher for details. Course will take place at the TSTC campus. Transportation provided. This course is not eligible for semester exam exemptions.
SECTION 504 SERVICES
Students with physical and/or mental disabilities that impact their educational achievement as determined by a 504 Committee receive accommodations and support services as specified in an Individual Accommodation Plan (IAP). Students enroll in coursework with State Assessments and End of Course exams. Course content for 504 students is not modified or changed. However, strategies that accommodate the student’s disability and are needed to facilitate academic success are provided. The student’s Individual Accommodation Plan is reviewed annually and changes are made based on educational progress.

DYSLEXIA
Dyslexia screening and identification are conducted in accordance with the State Board of Education Guidelines. Each campus has a reading interventionist who participates in screening and planning for students. The campus dyslexia instructional program falls under the Section 504 or Special Education.

ENGLISH AS A SECOND LANGUAGE
English as a Second Language services are provided to students who are English Language Learners (ELL) by the Language Proficiency Assessment Committee (LPAC). Eligibility is based on response to the home language survey (indicating a language other than English is spoken in the home), an oral language proficiency test, and a norm referenced achievement test.

This program emphasizes the mastery of English/language skills, in mathematics, science, and social studies. The program addresses the affective, linguistic, and cognitive needs of EL students.

The EL program is an integral part of the regular educational program and is supported by the English Language Proficiency Standards (ELPS). EL students enroll in ESL courses based on their level of proficiency in English and participate with English speaking peers in all other courses. Assistance with English coursework is provided by EL staff.

SPECIAL EDUCATION
Special education services are provided to students who are eligible for such services by an Admission, Review and Dismissal Committee (ARD). Eligibility is based on identified disabilities and specialized instruction and related services are offered to meet individual student needs. Depending on the student needs, academic services are provided through both regular and special education courses.

Specialized instruction is provided along the following continuum and reviewed at least annually:
- classes with accommodations;
- classes with inclusion support;
- classes with modified course objectives;
- classes with prerequisite skills.

A special education student is eligible to graduate when the student satisfactorily completes the appropriate academic credit requirements for graduation, including satisfactory performance on the State of Texas Assessments of Academic Readiness (STAAR). For specific graduation requirements, see graduation requirements section. A special education student who does not meet the above requirements may be graduated upon determination by the ARD Committee that the student has completed requirements specified in the IEP that have resulted in one or more of the following:

A. Full-time employment, based on the student’s abilities and local employment opportunities, in addition sufficient self-help skills to enable the student to maintain the employment without direct and ongoing educational support of the local school district; or

B. Demonstrated mastery of specific employability skills and self-help skills that do not require direct on-going educational support of the local school district; or

C. Access to services that are not within the legal responsibility of public education

NOTE: All special education students’ schedules are the result of an Admission, Review, and Dismissal (ARD) decision.

SPECIAL EDUCATION COURSES

Applied English
1513 Applied English I
1613 Applied English II
1713 Applied English III
1813 Applied English IV
Credit: 1
Prerequisite: ARD Committee Decision
English I, II, III, and IV provides students with grade-level specific instruction in all the essential skills and strategies needed to master their IEP objectives. The basics of the writing process build a foundation for effective writing and communication skills that will last a lifetime.

9663 Reading I
9673 Reading II
9683 Reading III
Credit: 1
Prerequisite: ARD Committee Decision
This course covers basic word attack and comprehension skills. The student works in the group or level nearest his/her ability range with packets and drills designed to improve reading. Many high-interest, easy-reading materials are part of the course work.

2513 Applied Algebra I
Credit: 1
Prerequisite: ARD Committee Decision
Applied Algebra I is the practical study of functions to model problem situations and to analyze and interpret relationships. Students will be given grade-level specific instruction necessary to master IEP objectives.
2613 Applied Geometry  
Credit: 1  
Prerequisite: ARD Committee Decision  
Applied Geometry is the practical study of geometric figures of zero, one, two, and three dimensions among them including size, shape, location, and orientation. Students will be given grade-level specific instruction necessary to master IEP objectives.

2013 Applied MMA  
Credit: 1  
Prerequisite: ARD Committee Decision  
Applied MMA is the practical study of mathematics through its application in personal finance, science, engineering, fine arts, and social sciences. Students will be given grade-level specific instruction necessary to master IEP objectives.

2713 Applied Algebra II  
Credit: 1  
Prerequisite: ARD Committee Decision  
Applied Algebra II is the practical study of mathematics through the study of systems of equations, absolute value, and rational functions in both mathematical solutions and real world situations. Students will be given grade-level specific instruction necessary to master IEP objectives.

3013 Applied IPC  
Credit: 1  
Prerequisite: ARD Committee Decision  
Applied IPC is the practical study of physics and chemistry topics such as motion, waves, properties and changes in matter, and energy transformations. Students will be given grade-level specific instruction necessary to master IEP objectives.

3513 Applied Biology  
Credit: 1  
Prerequisite: ARD Committee Decision  
Applied Biology is the practical study of structures and functions of cells and viruses, growth and development of organisms, cells, tissues, organs, nucleic acids and genetics. Students will be given grade-level specific instruction necessary to master IEP objectives.

3613 Applied Chemistry  
Credit: 1  
Prerequisite: ARD Committee Decision  
Applied Chemistry is the practical study of the characteristics of matter, energy transformations, atomic structure, elements, and the behavior of gases. Students will be given grade-level specific instruction necessary to master IEP objectives.

3813 Applied Environmental Science  
Credit: 1  
Prerequisite: ARD Committee Decision  
Applied Environmental Science is the practical study of habitats, ecosystems and biomes and their interrelations to sources of energy, populations, and environments. Students will be given grade-level specific instruction necessary to master IEP objectives.

3913 Applied Aquatic Science  
Credit: 1  
Prerequisite: ARD Committee Decision  
Applied Aquatic Science is the practical study of the components of an aquatic ecosystem and the relationships among aquatic habitats and ecosystems. Students will be given grade-level specific instruction necessary to master IEP objectives.

4513 Applied World Geography  
Credit: 1  
Prerequisite: ARD Committee Decision  
Applied World Geography is the examination of people, places, and environments at the local, regional, national and international levels. Students will be given grade-level specific instruction necessary to master IEP objectives.

4613 Applied World History  
Credit: 1  
Prerequisite: ARD Committee Decision  
Applied World History is the study of significant people, events, and issues from the earliest times to the present. Students will be given grade-level specific instruction necessary to master IEP objectives.

4713 Applied U.S. History  
Credit: 1  
Prerequisite: ARD Committee Decision  
Applied U.S. History is the study of the political, economic, and social events as they relate to the industrialization, urbanization, and the major wars that shaped the modern United States. Students will be given grade-level specific instruction necessary to master IEP objectives.

4810 Applied U.S. Government  
Credit: .5  
Prerequisite: ARD Committee Decision  
Applied U.S. Government is the study of the beliefs upon which the United States was founded and the structure, functions, and powers of government at the national, state, and local levels. Students will be given grade-level specific instruction necessary to master IEP objectives.

4010 Applied Economics  
Credit: .5  
Prerequisite: ARD Committee Decision  
Applied Economics is the study of the principals of production, consumption, and distribution of goods and services in a free enterprise economy. Students will be given grade-level specific instruction necessary to master IEP objectives.
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9383 College & Career Path I
9393 College & Career Path II
9403 College & Career Path III
9413 College & Career Path IV
Credit: 1
Prerequisite: ARD Committee Decision
The courses advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. Path courses focus on developing the habits and skills that are expected in college study and the workforce.

PROGRAMS FOR STUDENTS WITH SIGNIFICANT COGNITIVE DISABILITIES
An individualized program is designed for students who will earn credits leading to high school completion, through the provisions B and C as previously described in Special Education Graduation Requirements. To meet minimum requirements for graduation through IEP, a student must complete at least 22 units of credit. One credit is earned when the student masters the objectives specified in the IEP. Students may repeat course work until IEP objectives are mastered. Each student’s course of study is designed by the ARD Committee, which specifies content objectives and mastery required within the student’s IEP. Special education programs for students with significant cognitive disabilities and course objectives are developed to meet the unique needs and capabilities of each student.

Functional English Sequence
1503 Functional English I
1603 Functional English II
1703 Functional English III
1803 Functional English IV
Credit: 1
Prerequisite: ARD Committee Decision
In this set of courses, students will develop basic word function and literacy skills as determined by their IEP. Students are given prerequisite instruction required to be successful on IEP objectives.

Functional Math Sequence:
2503 Functional Algebra I
2603 Functional Geometry
2003 Functional MMA
Credit: 1
Prerequisite: ARD Committee Decision
In this set of courses, students will develop basic mathematical function skills as determined by their IEP. Students are given prerequisite instruction required to be successful on IEP objectives.

Functional Science Sequence:
3503 Functional Biology
3003 Functional IPC
3603 Functional Chemistry
Credit: 1
Prerequisite: ARD Committee Decision
In this course, students will develop basic scientific and life science function skills as determined by their IEP. Students are given prerequisite instruction required to be successful on IEP objectives.

Functional Social Studies Sequence:
4503 Functional W. Geography
4603 Functional W. History
4703 Functional U.S. History
4800 Functional Government
4000 Functional Economics
Credit: 1
Prerequisite: ARD Committee Decision
In this set of courses, students will develop basic civics and social studies skills. Students are given prerequisite instruction required to be successful on IEP objectives.

9983 Personal Health
Credit: .5
Prerequisite: ARD Committee Decision
Students are given exposure and training at various sites to improve independent functioning, knowledge of nutrition, wellness, ecology, human growth and development.

1909 Functional Communication Application
Credit: .5
Prerequisite: ARD Committee Decision
Students learn effective communication for life.

9923 Vocational Preparation
Credit: 1
Prerequisite: ARD Committee Decision
Students learn basic job skills in several occupational settings commensurate with the students’ interest and ability.

9982 Functional Fitness
Credit: 1
Prerequisite: ARD Committee Decision
The course is designed to teach sustainable fitness through core strength and conditioning, regardless of fitness level, body composition or athletic ability.

9903 Functional Science Elective
Credit: Local as determined by ARD Committee
Prerequisite: ARD Committee Decision
Students learn skills necessary to increase independent functioning in health care, housekeeping, clothing care and meal preparation.
9963 Functional Social Studies Elective
Credit: Local as determined by ARD Committee
Prerequisite: ARD Committee Decision
Students are instructed through individual, cooperative, and community-based activities to constructively handle leisure time, learn social and interpersonal skills, and better understand family life, community and government functioning.

9463 Functional Math Elective
Credit: Local as determined by ARD Committee
Prerequisite: ARD Committee Decision
Students are instructed in practical applications of numeration, time, measurement, and money in functional settings.

9473 Functional Reading
Credit: Local as determined by ARD Committee
Prerequisite: ARD Committee Decision
Students will utilize environmental signs and functional words to develop communication skills to foster independence.

9185-9188: Occupational Preparation
Credit: Local as determined by ARD Committee
Prerequisite: ARD Committee Decision
In the classroom setting, this course is designed to help students in the Adult Transition Program and employer-employee relations. It will also teach acceptable work place etiquette as well as appropriate social interactions. The students will receive additional instruction through classroom modeling.

9189-9192: Work Based Learning (AM)
Credit: Local as determined by ARD Committee
Prerequisite: ARD Committee Decision
Students will go out into the community with a district employee in the AM and receive on the job training skills at community sites. This course will give them job skills to help prepare the student for employment after completing the program. Please note that the Adult Transition Program does not guarantee job placement.

9193-9196: Work Based Learning (PM)
Credit: Local as determined by ARD Committee
Prerequisite: ARD Committee Decision
Students will go out into the community with a district employee in the PM and receive on the job training skills at community sites. This course will give them job skills to help prepare the student for employment after completing the program. Please note that the Adult Transition Program does not guarantee job placement.

9145-9152 Career Prep I-8
Credit: Local as determined by ARD Committee
Prerequisite: ARD Committee Decision
This course provides students with hands on learning within career clusters to prepare them for occupational settings commensurate with the student's interests and abilities.

9153-9160: Functional Activities for Daily Living 1-8
Credit: Local as determined by ARD Committee
Prerequisite: ARD Committee Decision
This course offers information and practical experience regarding personal health and hygiene, grooming, domestic, and social skills as it relates to independent living and/or employment.

9161-9168: Citizenship for Life 1-8
Credit: Local as determined by ARD Committee
Prerequisite: ARD Committee Decision
This course provides students with hands-on learning to explore skills and information for independent living by navigating campus environments to generalize into real world experiences.

9169-9174: Work Based Learning 1-6
Credit: Local as determined by ARD Committee
Prerequisite: ARD Committee Decision
This course refines skills acquired in prerequisite courses. Students will participate in off campus vocational training without financial gain.

9175-9180: Work Based Learning Lab 1-6
Credit: Local as determined by ARD Committee
Prerequisite: ARD Committee Decision
This course provides a hands-on training experience in a simulated campus based work environment designed to assess both job and independent living skills to guide them in the process of transition from school to the real world.
JUNIOR HIGH SCHOOL OVERVIEW

INTRODUCTION
This course selection catalog is designed to help you select courses that you will take during your seventh and eighth grade years. All programs have been developed with the philosophy that excellence in education is equally important for students in all ranges of need and ability.

The role of the junior high school is a dual one:
• to refine the fundamental skills that you learned in earlier grades
• to introduce you to other areas that can be developed later in your educational career.

Please use this guide as a source of information and as an aid in preparing your schedule. Your counselor will be happy to answer any questions that you may have about a particular area or to help gather information that is not currently available in this guide.

JUNIOR HIGH CURRICULUM
Instruction in grades seven and eight covers the Texas Essential Knowledge and Skills mandated by the Texas Education Agency which includes creative/critical thinking skills, processing skills, research skills and concept-based subject matter. Technology applications are an important part of the curriculum for students and are integrated throughout English, science, history and math.

GRADING SYSTEM
Student performance is reported using numerical grades:
A 90 - 100
B 80 - 89
C 70-79
F 69 and below
I Incomplete
# No credit due to excessive absences

CREDIT BY EXAMINATION
Under specific criteria, a student may take a battery of examinations to obtain credit to advance a grade level. The student must receive a score of 80 percent or more on a competency test with no prior instruction, and a score of 70 percent in a course with prior instruction. School counselors have complete information about this program [Board Policies EHDB (Local), EHDC (Local)].

HIGH SCHOOL CREDIT COURSES
Junior high school students may receive credit toward high school graduation requirements for high school-level courses satisfactorily completed in grades seven and eight.

Students enrolled in Algebra I are required to take and meet the passing standard for the STAAR End-of-Course Exam.

SEMIESTER GRADE DETERMINATION FOR HIGH SCHOOL COURSES
A semester grade consists of three six weeks grades and the semester exam. The three six weeks grades average together for 80% of the semester grade and the semester exam counts as 20% of the semester grade.

PROMOTION/RETENTION
In grades 6-8, promotion to the next grade level shall be based on an overall average of 70 on a scale of 100 based upon course-level, grade-level standards (Texas Essential Knowledge and Skills) for all subject areas and a grade of 70 or above in each of the following four courses: language arts (the average of English and reading), mathematics, science, and social studies. In addition, the student must meet minimum expectations on the reading and mathematics sections on the state-mandated assessment STAAR. Failure to meet minimum expectations on any section of the STAAR will require students to receive accelerated instruction before promotion.

STUDENT SUCCESS INITIATIVE PROMOTION
According to the Student Success Initiative (SSI) students in grade 8 are held to specific standards. Eighth grade students will be required to pass STAAR reading and STAAR mathematics in order to be promoted. The requirements of passing eighth grade STAAR reading and STAAR mathematics are state law. In addition, all district eighth grade promotion requirements must be met.

UNIVERSITY INTERSCHOLASTIC LEAGUE (U.I.L.)
LCISD participates in UIL academic activities. Students wishing to take part will enroll with the campus UIL Coordinator. They will be assigned to the sponsoring teacher/coach in the preferred subject/activity area and will begin to prepare for the competition in the spring semester.
SEVENTH GRADE REQUIRED AND ELECTIVE COURSES

**Required Courses**
- English
- Reading
- Math
- Science
- Social Studies
- Physical Education/ Major Sports
- One Elective or Math Improvement or Reading Improvement

**Electives**
- Art 7
- Band
- Beginning Orchestra
- Intermediate Orchestra
- Choir
- Dance
- Gateway to CTE
- Introduction to Theatre
- Intermediate Theater
- Journalism
- Yearbook
- Technology Awareness
- Teen Leadership
- Spanish I
- Spanish II
- French I

EIGHTH GRADE REQUIRED AND ELECTIVE COURSES

**Required Courses**
- English *
- Math*
- Science*
- Social Studies*
- Physical Education
- 2 Electives**

*Technology Application TEKS are integrated into the 8th grade foundation courses throughout the year.

**Reading Improvement and/or Math Improvement may be required of students whose performance on the STAAR test is less than proficient. The student may lose one or two electives.

**COURSE DESCRIPTION**
Courses are taught according to the district curriculum, which is based on the Texas Essential Knowledge and Skills required by the Texas Education Agency for all students. Emphasis is placed on developing knowledge and skills needed for success in high school. Recognizing and using higher levels of cognitive skills, developing processing skills, recognizing and using critical and creative thinking skills will also be emphasized. Interacting with concept-based subject matter and developing and improving oral and written communication skills in a variety of formats.

HIGH SCHOOL COURSE SCHEDULE CHANGES IN JUNIOR HIGH
A student may drop a HS credit course in JH up through the first progress report of the semester, and all course requests must be submitted and completed by the end of the 4th week of school each semester. If a student drops a HS credit course through the first progress report, that student MUST be scheduled into a NON HS credit course as a replacement.

GIFTED AND TALENTED
Students identified as Gifted and Talented (GT) must enroll in at least one or more PAP/GT courses in one or more of the core subject areas each year. If a student chooses not to enroll in the minimum number of courses to maintain his/her GT status, then that student may be formally furloughed (for up to one year) or exited from the program (See procedures in LCISD GT Handbook).

Teachers in GT courses add depth, breadth, and complexity to the district curriculum that is based on the state curriculum objectives (TEKS). Students in these courses are periodically offered choices in topics for projects and/or products. All of the coursework in these courses uses modifications in content, teaching strategies, and products appropriate to the advanced abilities of the students. Students entering GT in LCISD for the first time (grades 6-12) are identified as gifted in specific subject-area(s), which is/are determined by the District GT Admissions-Review-Exit (A.R.E.) Committee. GT courses are offered in each of the core curriculum areas: math, science, English/language arts, and social studies.
SPECIAL EDUCATION
Special education services are provided to those students who are found to be eligible for such services by the Admission, Review and Dismissal (ARD) Committee. Eligibility is based on identified physical, mental and/or emotional difficulties that cause significant educational problems. Specialized instruction and related services are provided through both regular and/or special education courses to meet individual students’ needs.

PROGRAMS FOR STUDENTS WITH SIGNIFICANT COGNITIVE DISABILITIES
An individualized training program is provided for students through all special education courses. Each student’s course of study is designed by the ARD-IEP committee that specifies content objectives and mastery required. Special education programs for students with significant cognitive disabilities are developed to meet the unique needs and capabilities of each student.

AT-RISK (ACCELERATED AND COMPENSATORY EDUCATION SERVICES)
At-Risk (Accelerated and Compensatory Education) services are provided to students under the age of 21 who meet indicators that might lead to being at-risk for dropping out of school.

SECTION 504 SERVICES
Students with physical and/or mental disabilities that impact their educational achievement as determined by a 504 Committee receive accommodations and support services as specified in an Individual Accommodation Plan (IAP). Students enroll in coursework which meet State Assessments and End of Course requirements. Course content for 504 students is not modified or changed. However, strategies that accommodate the student’s disability and are needed to facilitate academic success are provided. The student’s Individual Accommodation Plan is reviewed annually and changes are made based on educational progress.

DYSLEXIA
Dyslexia screening and identification are conducted in accordance with the State Board of Education Guidelines. Each campus has a reading interventionist who participates in screening and planning for students. The campus dyslexia instructional program falls under the Section 504.

ENGLISH AS A SECOND LANGUAGE
English as a Second Language (ESL) services are provided to students who are English Learners (EL) by the Language Proficiency Assessment Committee (LPAC). Eligibility is based on response to the home language survey (indicating a language other than English is spoken in the home), an oral language proficiency test, and a norm referenced achievement test. The program emphasizes the mastery of English/language skills in-mathematics, science, and social studies using sheltered strategies to make content comprehensible and acquire academic language skills. The program addresses the affective, linguistic, and cognitive needs of EL students.

The ESL program is an integral part of the regular educational program and emphasizes grade level TEKS and English Language Proficiency Standards (ELPS) with a focus on the development of critical language skills. EL students enroll in ESL courses based on their level of proficiency in English as determined by the LPAC Committee.

FINE ARTS
School districts must ensure that each student completes one Texas Essential Knowledge and Skills-based fine arts course in Grade 6, Grade 7, or Grade 8. TAC 74.3(a)(2).

Fine arts courses offered in Lamar CISD junior high schools are art, band, choir, and theatre.

Lamar CISD makes a concerted effort to avail all programs to students; however, some courses may not be available due to staffing and class size. All prerequisites specified for a course are to be met prior to registering.

JUNIOR HIGH SCHOOL COURSE OFFERINGS

REQUIRED COURSES

ENGLISH LANGUAGE ARTS
132 7 ELAR
138 7 ELAR PAP GT
This focuses on reading, writing, listening, speaking, and thinking within a variety of genres of increasing complexity. As students examine and analyze fiction, poetry, drama, informational and argumentative text, they will apply these genre characteristics and craft at a deeper level to plan, develop, revise, edit, and publish multiple texts- personal narrative, fiction, poetry, informational and argumentative texts. Additionally, students will synthesize and examine information from a variety of sources and participate collaboratively with others.

136 English Learners Language Arts (ELLA) 7
Prerequisite: LPAC recommendation
This course includes the four domains of language (reading, writing, listening, speaking) and thinking within a variety of genres of increasing complexity and their application in order to accelerate the acquisition of language skills so that students develop high levels of social and academic language proficiency. As students examine and analyze fiction, poetry, drama, informational and argumentative text, they will apply these genre characteristics and craft at a deeper level to plan, develop, revise, edit, and publish multiple texts- personal narrative, fiction, poetry, informational and argumentative texts. Additionally, students will synthesize and examine
information from a variety of sources and participate collaboratively with others. Students should engage in academic conversations, write, read, and be ready to on a daily basis with opportunities for cross-curricular content and student choice. Instruction will be linguistically accommodated in accordance with the English Language Proficiency Standards (ELPS) and the student’s English language proficiency levels to ensure the mastery of knowledge and skills in the required curriculum is accessible.

142 8 ELAR
148 8 ELAR PAP GT
This course is designed to refine and extend knowledge of a range of literary genres, including fiction, poetry, drama, informational and argumentative text. Students will continue to read, write, listen, speak, and think while analyzing a wide range of increasingly challenging texts and then will apply these genre characteristics and craft with a greater complexity in multiple genres, including personal narrative, fiction, poetry, informational and argumentative texts. Students will also continue to identify, examine, and synthesize relevant information from varied sources and will present results both independently and as part of a collaborative group.

146 English Learners Language Arts (ELLA) 8
Prerequisite: LPAC recommendation
This course is designed to refine and extend knowledge of a range of literary genres, including fiction, poetry, drama, informational and argumentative text. Students will continue to read, write, listen, speak, and think while analyzing a wide range of increasingly challenging texts and then will apply these genre characteristics and craft with a greater complexity in multiple genres, including personal narrative, fiction, poetry, informational and argumentative texts. Students will also continue to identify, gather, and synthesize relevant information from varied sources and to plan agendas while participating collaboratively with others. Strands include the four domains of language (listening, speaking, reading, and writing) and their application in order to accelerate the acquisition of language skills so that students develop high levels of social and academic language proficiency. Students should engage in academic conversations, write, read, and be ready to on a daily basis with opportunities for cross-curricular content and student choice. Instruction will be linguistically accommodated in accordance with the English Language Proficiency Standards (ELPS) and the student’s English language proficiency levels to ensure the mastery of knowledge and skills in the required curriculum is accessible.

031 Reading 7 Improvement
041 Reading 8 Improvement
231 Math 7 Improvement
241 Math 8 Improvement
These courses are designed to increase student knowledge and skills in mathematics or reading concepts. Instruction is focused on specific areas of need as identified by the state competency tests.

MATH

237 Math 7
238A Math 7 PAP GT* (1st semester)
238B Math 7 PAP GT* (2nd semester)
Mathematics Grade 7 focuses on using proportional relationships in a variety of problem solving situations. Students apply addition, subtraction, multiplication, and division of decimals, fractions, and integers. Patterns, relationships, and algebraic thinking are used to represent relationships numerically, geometrically, verbally, and symbolically. Topics include solving equations, geometry and spatial reasoning, measurement, and probability and statistics. Critical thinking and problem solving skills are emphasized. *Mathematics Grade 7 PAP GT is a compacted course that includes a portion of the Grade 7 Math TEKS and all of the Grade 8 Math TEKS. Students in Mathematics Grade 7 PAP GT will take the Grade 8 Math STAAR Assessment. This course meets the TEA requirement for an Algebra I prerequisite.

247 Math 8
249 Math 8 PAP GT
The primary focus on mathematics in Grade 8 is using basic principles of algebra to analyze and represent proportional and non-proportional relationships and using probability to describe data and make predictions. Some of the topics students will study are patterns, relationships, and algebraic thinking, transformational geometry, measurement, and the Pythagorean Theorem. Emphasis will be placed on critical thinking and problem solving skills.

254 Algebra I PAP – 8th
Credit: 1. Applies toward high school credit
Prerequisite: Completion of Math 7 PAP GT with a district recommendation of grade average of 90 or higher and advanced score on the 8th grade STAAR math assessment.
In Algebra I, students will build on the knowledge and skills for mathematics in grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. Algebra I PAP includes the same student objectives as Algebra I. Algebra I PAP courses prepares students who intend to continue their studies in PAP/AP. This PAP course will be taught at the PAP level using PAP strategies. Carefully read the section describing PAP and AP in the “High School Overview” section of this catalog
under “Planning Your Schedule”. Students enrolled in Algebra I PAP are required to take the STAAR End of Course Exam. Grade points are earned toward high school GPA (Grade Point Average).

SCIENCE

334 Science 7
337 Science 7 PAP GT
Grade 7 science is arranged in five strands: Scientific Investigation and Reasoning, Matter and Energy, Force, Motion and Energy, Earth and Space, and Organisms and Environments. Grade 7 science is interdisciplinary in nature; however, much of the content focus is on organisms and the environment. Science in the seventh grade is designed to build on prior knowledge of scientific concepts; apply knowledge of scientific concepts; and stimulate students’ curiosity as they investigate science in the natural world. Lab investigations and the use of safe science practices are stressed.

344 Science 8
347 Science 8 PAP GT
Grade 8 science is arranged in five strands; Scientific Investigation and Reasoning, Matter and Energy, Force, Motion and Energy, Earth and Space, and Organisms and Environments. Grade 8 science is interdisciplinary in nature; however, much of the content focus is on earth and space science. Science in the eighth grade is designed to build on prior knowledge of scientific concepts; apply knowledge of scientific concepts; and stimulate students’ curiosity as they investigate science in the natural world. Lab investigations, independent research, and the use of safe science practices are stressed.

SOCIAL STUDIES

434 Social Studies 7
437 Social Studies 7 PAP GT
In Grade 7, students study the history of Texas from early times to the present. Students examine the full scope of Texas history, including the cultures of Native Americans living in Texas prior to European exploration and the eras of mission-building, colonization, revolution, republic, and statehood. The focus in each era is on key individuals, events, and issues and their impact.

444 Social Studies 8
447 Social Studies 8 PAP GT
In Grade 8, students study the history of the United States from the early colonial period through Reconstruction. Historical content focuses on the political, economic, religious, and social events and issues related to the colonial and revolutionary eras, the creation and ratification of the U.S. Constitution, challenges of the early republic, the Age of Jackson, westward expansion, sectionalism, Civil War, and Reconstruction.

PHYSICAL EDUCATION

634 Physical Education 7th
644 Physical Education 8th
This course introduces and develops skills in such lifetime activities as swimming, volleyball, softball, badminton, basketball, flag football, table tennis, touch football, tennis, soccer, folk dance, track/field and kickball. Students learn the importance of physical fitness, good sportsmanship and individual development.

636 Major Sports 7th
638 Major Sports 8th
Prerequisite: Physical examination is required prior to tryouts. The following competitive athletic programs are designed for those who are highly motivated to participate in team and individual UIL athletics. Participants are expected to meet all UIL regulations, and must maintain academic standards while devoting a great deal of time outside the school day toward these programs. Tryouts and coach approval are required to participate in each sport listed below.

633 Dance 7th
643 Dance 8th
Dance will provide students with an exploration of movement in many different dance genres with the focus to foster student creativity through expression of movement.

Football, Basketball, Track, Volleyball, Tennis & Cross Country

ELECTIVE COURSES

Student choices in course selection may limit elective options. Staffing and class size may also limit elective choices.

FINE ARTS

VISUAL ARTS
Lamar CISD’s junior high school visual arts program offers a comprehensive art education that provides students enriched opportunities for creative expression. These courses are designed for students who wish to learn to draw, paint, design, sculpt, study the great masters of art, and develop confidence in their creative expression. Elements of art history, production, aesthetics, and criticism will be included. Varying levels of instruction are offered.

734 Art 7
744 Art 8
This course includes the fundamentals of design, drawing, painting, and sculpture. Students will learn about art materials, concepts, and vocabulary. They will also develop the skills necessary for communicating ideas and emotions through art. The art studio is a creative environment, rich with experiences to personally develop every student. An emphasis is placed on art production, history, analysis, and
Lamar CISD’s junior high school band program is a course of study which introduces and develops musical concepts and skills related to instrumental music. Students learn to play a woodwind, brass, or percussion instrument and perform music. No previous experience is required. Participation in a performing group offers the students the opportunity to learn music, experience a high level of teamwork, develop a high degree of personal responsibility, and acquire leadership skills.

Attendance at outside-of-the-school-day rehearsals and performances is a requirement of many of these classes. Specific calendars of rehearsals and performances are available from the band director on each campus for each band. Calendars are distributed at the beginning of the school year and updated as needed. Three to four levels of band are offered on each campus. Placement is by performance criteria established by the band staff on each campus and may include an audition.

No previous experience is required for entry into this band class. Students are taught the basic skills of playing an instrument and music reading. Students are placed on instruments by recommendation of the band director. If possible, every effort is made to honor the instrument request. However, each band director works to place students on instruments that provide the best opportunity for the individual success of the student and to balance the instrumentation of the band program. Students playing flute, clarinet, alto saxophone, trumpet/cornet, trombone, and percussion furnish their own instrument and accessories. Students may purchase or rent an instrument through a wide range of music instrument dealers. An instrument should not be obtained until the student has interviewed with the band director. A limited number of school-owned instruments including oboe, bassoon, French horn, euphonium, and tuba are available. Parents of students with financial needs should contact the director at the school. The students perform 1-3 concerts per year. Some outside-of-the-school day rehearsals are required to prepare the concerts.

Students are placed in this group via audition with consideration to balanced instrumentation. Students in this band continue to develop and refine individual and ensemble skills as well as learn more advanced concepts and skills. Performance requirements can include 2-5 concerts, Lamar CISD Pre-UIL Festival, UIL Concert and Sight Reading Contest, a spring festival, and other opportunities determined by the band director. Participation in the LCISD Solo and Ensemble Contest, LCISD All District Band auditions are encouraged. Full band rehearsals leading up to major performances may be required. Individual help is offered to students participating in individual events.

Students are placed in this group via audition with consideration to balanced instrumentation. Students in this band continue to develop and refine individual and ensemble skills as well as learn more advanced concepts and skills. Performance requirements can include 2-5 concerts, Lamar CISD Pre-UIL Festival, UIL Concert and Sight Reading Contest, a spring festival, and other opportunities determined by the band director. Participation in the LCISD Solo and Ensemble Contest, LCISD All District Band auditions may be expected. Weekly, 1-hour section rehearsals and additional full band rehearsals leading up to major performances may be required. Individual help is offered to students participating in individual events.

This is the most advanced performing ensemble in the band program. Students are placed in this group via audition with consideration to balanced instrumentation. Students in this band continue to develop and refine individual and ensemble skills as well as learn more advanced concepts and skills. Performance requirements can include 2-5 concerts: Lamar CISD Pre-UIL Festival, UIL Concert and Sight Reading Contest, a spring festival, and other opportunities determined by the band director. Participation in the LCISD Solo and Ensemble Contest, LCISD All District Band auditions may be expected. Weekly, 1-hour section rehearsals and additional full band rehearsals leading up to major performances may be required. Individual help is offered to students participating in individual events.

Lamar CISD’s junior high school choir program is a course of study which introduces and develops musical concepts and skills related to choral music. Students learn to sing and perform music. Participation in Beginning Choir is preferred, but no previous experience is required. Participation in a performing group offers the students the opportunity to experience a high level of teamwork, develop a high degree of personal responsibility, and acquire leadership skills.

Attendance at outside-of-the-school-day rehearsals and performances is a requirement of many of these classes. Specific calendars of rehearsals and performances are available from the choir director on each campus for each choir.
Calendars are distributed at the beginning of the school year and updated as needed. Three to four levels of choir are offered on each campus. Placement is by performance criteria established by the choir staff on each campus and may include an audition.

750 Boys Choir
751 Girls Choir
These performing groups give the student training and experience in being a member of a specialized group. Emphasis is placed on two- and three-part music and includes a variety of styles from the traditional contest literature to the lighter form of contemporary music unique to the male and female voice. A continuation of experiences in performing as a soloist and ensemble member is emphasized. In this course, students continue to develop basic ear training/listening skills, individual/ensemble singing skills, vocal production, music reading, and musicianship. Students will develop knowledge and skills in musicianship, choral techniques, vocal production, showmanship, and performance. They will participate in a variety of concerts throughout the year as well as solo and ensemble contest, All-Region choir auditions, community programs, and the UIL Concert and Sight Reading competition. Attendance at outside-school performances and rehearsals is a requirement of this course. Calendars will be distributed to students at the beginning of the year and rehearsal/performance schedules will be updated throughout the year. Prerequisite: Any student interested in choral music may enroll.

735 Mixed Choir
In this more advanced course, students extend their ear training/listening skills, individual/ensemble singing skills, vocal production, and music reading. The music taught spans the Renaissance Period to the popular music of today. A continuation of experiences in performing as a choir member, soloist, and ensemble member is emphasized. Students will further develop knowledge and skills in musicianship, choral techniques, vocal production, showmanship, and performance. They will study the historical and cultural significance of works performed and will do qualitative analysis of choral literature. Students in this course will participate in a variety of curricular and extracurricular concerts throughout the year as well as solo and ensemble contest, All-Region choir auditions, community programs, and UIL Concert and Sight Reading Competition. Attendance at outside-school performances and rehearsals is a requirement of this course. Calendars will be distributed to students at the beginning of the year and rehearsal/performance schedules will be updated throughout the year.

737 Beginning Orchestra
No previous experience is required for entry into this program. Students are taught the basic skills of playing an instrument and music reading. Students are placed on instruments by recommendation of the orchestra director. Students playing violin, viola, and cello their own instrument and accessories. Student may purchase or rent an instrument through a wide range of music instrument dealers. The students perform 1-3 concerts per year. Some outside-of-school day rehearsals are required to prepare for the concerts. This course fulfills the state requirement that all students must complete one year-long TEKS-based fine arts course in grades 6, 7, or 8.

738 Intermediate Orchestra
Students are placed in this group via audition with consideration to balanced instrumentation. Students in this orchestra continue to develop and refine individual and ensemble skills as well as learn more advanced concepts and skills. Performance requirements can include 2-5 concerts, the Lamar CISD Pre-UIL Festival, UIL Concert and Sight Reading Contest, a spring festival, and other opportunities determined by the orchestra director. Participation in the LCISD Solo and Ensemble Contest, TMEA All Region Orchestra auditions are encouraged. Additional rehearsals leading up to major performances may be required. Individual help is offered to students participating in individual events.

THEATRE
Lamar CISD's junior high school theatre programs offer a comprehensive theatrical education that provides creative outlets for students who wish to learn to act, direct, build sets, and develop confidence in creative and public speaking. Elements of theatre history, performance, reading and writing scripts, and evaluation will be included. Varying levels of instruction are offered. Theatre classes meet during regular school hours. Rehearsals and performances may be required before and after school, evenings, or weekends.

731 Introduction to Theatre
Grade: 7-8
Prerequisite: None
This beginning course covers the fundamentals of acting and theatrical production. Classroom activities include mime / pantomime, improvisation, characterization, technical theatre (including: scenery, lighting, sound, costuming, hair / makeup), and play production. Emphasis
will be placed on a variety of in-class performances and individual/group presentations

**741 Intermediate Theatre**  
Grade: 7-8  
Prerequisite: Introduction to Theatre or teacher approval  
This course is a continuation and progression of the Introduction to Theatre course. Students will be given higher-level activities involving acting, oral interpretation, technical theatre and the elements of theatre production. This theatre arts course is designed for students who are planning on participating in all aspects of play production. Students may have the opportunity to audition for productions. These events will require additional preparation and involvement after school.

**732 Theatre Production**  
Grade: 7-8  
Prerequisite: Intermediate Theatre or teacher approval  
This advanced course is for students who have a desire to be involved with play productions. This course is a continuation and progression of the theatre arts curriculum. The nature of this course will require participation in after-school rehearsals.

**JOURNALISM**  
013 7th journalism  
023 7th Yearbook  
033 8th Journalism  
043 8th Yearbook  
This course is designed for students who show an aptitude for writing. Students write articles for school publications and learn to do editing and layout work. A newspaper, yearbook and/or literary journal may be published.

**LANGUAGES OTHER THAN ENGLISH (LOTE)**

**513 French I**  
Grade: 7-8  
Credit: 1; applies toward high school credit  
Prerequisite: Recommended prior year Language Arts grade average of a 85 or higher  
This is the same course as French I offered in grades 9 - 12.  
The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the French-speaking world. This course focuses on the six AP themes. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice, and use of English only when necessary. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, viewing), and presentational (rehearsed and revised oral and written products). Language learners in French I are expected to reach a Novice-Mid to Novice-High proficiency level upon completion of this course according to the TEKS for LOTE. Grade points are earned toward high school GPA (Grade Point Average). This class is conducted in French a significant amount of time.

**523 French II**  
Grade: 8  
Credit: 1; applies toward high school credit  
Prerequisite: French I  
This course continues the development of listening, speaking, reading and writing in the French language. The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the French-speaking world. This course focuses on the six AP themes. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice, and use of English only when necessary. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, viewing), and presentational (rehearsed and revised oral and written products). Language learners in French II are expected to reach a Novice-High to Intermediate-Low proficiency level upon completion of this course according to the TEKS for LOTE. This class is conducted in French a significant amount of time.

**533 Spanish I**  
Grade: 7-8  
Credit: 1, applies toward high school credit  
Prerequisite: Recommended prior year Language Arts grade average of a 85 or higher  
This is the same course as Spanish I offered in grades 9 - 12.  
The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the Spanish-speaking world. This course focuses on the six AP themes. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice, and use of English only when necessary. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, viewing), and presentational (rehearsed and revised oral and written products). Language learners in Spanish I are expected to reach a Novice-Mid to Novice-High proficiency level upon completion of this course according to the TEKS for LOTE. Grade points are earned toward high school GPA (Grade Point Average). This class is conducted in Spanish a significant amount of time.
543 Spanish II  
Grade: 8  
Credit: 1, applies toward high school credit.  
Prerequisite:  
This course continues the development of listening, speaking, reading and writing in the Spanish language. The focus of the course is authentic, real-world communication, as students make connections and compare their own language and culture to the communities of the Spanish-speaking world. This course focuses on the six AP themes. Classes are conducted in the target language for 90% of the time, with great attention to comprehensible input which includes: slower speech, repetition, modeling, frequent checks for understanding, visuals, gestures, frequent opportunities for students to practice, and use of English only when necessary. Students will be assessed regularly in the three modes of communication: interpersonal (unscripted conversation in order to complete a task), interpretive (reading, listening, and viewing), and presentational (rehearsed and revised oral and written products). Language learners in Spanish II are expected to reach a Novice-High to Intermediate-Low proficiency level upon completion of this course according to the TEKS for LOTE. This class is conducted in Spanish a significant amount of time.

553 Spanish for Spanish Speakers I (Fall)  
563 Spanish for Spanish Speakers II (Spring)  
Grade: 7-8  
Credit: 1 – 2, applies towards high school credit  
Prerequisite: Oral and written proficiency screening in Spanish with a minimum score of 80.  
This course is designed for student who are heritage or native speakers of Spanish. Their basic skills will be strengthened with an emphasis on vocabulary, reading, writing and grammar skills at more advanced levels. The focus of this course is on increasing student’s ability to use Spanish flexibly in both formal and informal situations by focusing on topics related to the six AP themes. Students are expected to achieve a minimum of Intermediate-Low to Intermediate-Mid level of proficiency as defined by ACTFL standards, by the end of this course, depending upon their beginning level. Students may receive credit for Spanish I and II upon successful completion of these courses in one year. Grade points are earned toward high school GPA (Grade Point Average). This course is conducted predominantly in Spanish.

742 Technology Application  
Grade: 8 integrated  
This course is designed to assist students in making informed decisions by understanding and using current and emerging technologies, including appropriate digital tools and personal learning networks. Students will use creative and computational thinking to solve problems while developing career and college readiness skills.

743 Technology Application  
Grade: 7 integrated  
This course is designed to assist students in making informed decisions by understanding and using current and emerging technologies, including appropriate digital tools and personal learning networks. Students will use creative and computational thinking to solve problems while developing career and college readiness skills.

443 Teen Leadership (Year)  
Credit: 1, applies towards high school credit  
In this course, student will develop leadership, personal, and business skills. They learn to develop a healthy self-concept, healthy relationships, and learn to understand the concept of personal responsibility. They will develop an understanding of Emotional Intelligence and the skills it measures, which include self-awareness, self-control, self-motivation, and social skills. In addition, students will develop public speaking and communication skills and an understanding of personal image. Their understanding of the concept of principle-based decision-making, their understanding of the effects of peer pressure, and their skills to counteract those effects will also be advanced. They will develop and understanding of the principles of parenting, enabling them to become better family members and citizens. Lastly, they will develop an understanding of the need for vision in goal-setting both personally and professionally. Grade points are earned toward high school GPA (Grade Point Average).

CAREER & TECHNICAL EDUCATION (CTE)  

825 Gateway to Career and Technical Education (CTE) - 7th or 8th  
Prerequisite: None  
Wondering what CTE is all about? Wondering what career clusters and training is available at your school? Discover different career choices available in high skill, high demand job areas. Explore key concepts in each CTE Career Cluster along with learning leadership and computer skills, career/workplace etiquette, and career development. Career Clusters focus includes: Family Consumer Sciences, Agriculture, Construction & Transportation, STEM/Engineering and Business.

*This class is geared for 7th grade students as an introductory course to CTE and Endorsement Career Clusters available in LCISD. 8th graders may elect to take this course. Hands-on projects and cooperative learning will be utilized when available.
The following CTE classes apply to high school credit; these courses are the introduction to various Endorsements. Please refer to the High School Overview section of this catalog under “Planning Your Schedule.”

832 Principles of Business, Marketing & Finance – 8th
Credit: 1, applies toward high school credit
Prerequisite: None
Have you ever wondered what it takes to start your own business, or be successful in the business world? Jump ahead of your peers and get a head start on your career path with this high school credit business course that reinforces computer application skills in a hands-on, cooperative learning environment using real world activities and simulations. Learn how to develop your own company name, logo, and a variety of creative documents that you will need to successfully market and promote your business while tracking your profits all the way to the bank. Grade points are earned toward high school GPA (Grade Point Average).

835 Principles of Human Services – 8th
Credit: 1, applies toward high school credit.
Prerequisite: None
Are you compassionate, wonder how the mind works, or are willing to help others when they are struggling with personal crisis? Discover how nutrition and dietary practices can assist in personal development. Help create a family's budget, as well as plan recreational and outreach community programs for children, young adults, families and the elderly. Investigate additional careers under the Human Service umbrella: counseling and mental health, early childhood development, family and community, and personal care services. Grade points are earned toward high school GPA (Grade Point Average).

836 Principles of Agriculture, Food & Natural Resources – 8th
Credit: 1, applies toward high school credit
Prerequisite: None
Agriculture is not just “cows, sows and plows”. Discover how plant and animal science are a vital part of all of our lives. Research which laws, regulations, and policies are in place to bring food safely from the field to your table. Learn leadership, record-keeping skills and have the opportunity to raise an animal as a FFA member. Grade points are earned toward high school GPA (Grade Point Average).

***NOTE: 8th grade students intending to participate in FFA must take Principles of Agriculture, Food & Natural Resources

838 Principles of Applied Engineering – 8th
Credit: 1, applies toward high school credit
Prerequisite: None
Are you the kind of person that likes to build things? If you answered yes, this is the course for you. Learn how to program a robot, design your own home, or create special effects for a movie. Learn by using cutting-edge equipment/technology, cooperative hands-on activities and gain the skills necessary to be successful in the Engineering/Technology career path. Grade points are earned toward high school GPA (Grade Point Average).

839 Principles of Hospitality & Tourism – 8th
Credit: 1, applies toward high school credit
Prerequisite: None
Hospitality and Tourism is the world's largest industry and growing annually. This industry encompasses lodging, travel and tourism, recreation, amusements, attractions, resorts, restaurant and food/beverage services. The course also includes personal success, time management, leadership, communication skills, customer service and technology use. Grade points are earned toward high school GPA (Grade Point Average).
MIDDLE SCHOOL OVERVIEW

INTRODUCTION
This middle school guide is designed to help you select courses that you will take during your sixth grade year. All programs have been developed with the philosophy that excellence in education is equally important for students in all ranges of need and ability. The role of the middle school is one of transition from elementary school to junior high school. During this year, you will have the opportunity to refine skills learned in the elementary grades and develop some new skills to help you to be more successful in the future. Please use this guide as a source of information and as an aid in preparing your schedule. Your counselor will be happy to answer any questions that you may have about a particular area or to help gather information that is not currently available in this publication.

MIDDLE SCHOOL CURRICULUM
Students in sixth grade are instructed in curriculum that covers the Texas Essential Knowledge and Skills (TEKS) mandated by the Texas Education Agency and includes creative/critical thinking skills, processing skills, research skills and concept-based subject matter.

GRADING SYSTEM
Student performance is reported using numerical grades:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>90 - 100</td>
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<tr>
<td>B</td>
<td>80 - 89</td>
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<tr>
<td>C</td>
<td>70-79</td>
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<tr>
<td>F</td>
<td>69 and below</td>
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<tr>
<td>I</td>
<td>Incomplete</td>
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<tr>
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</table>

CREDIT BY EXAMINATION
Under specific criteria, a student may take a battery of examinations to obtain credit for sixth grade and go on to seventh grade. The student must receive a score of 80 percent or more on a competency test with no prior instruction, and a score of 70 percent in a course with prior instruction. School counselors have complete information about this program (Board Policies EHDB (Local), EHDC (Local)).

PROMOTION/RETENTION
In grades 6-8, promotion to the next grade level shall be based on an overall average of 70 on a scale of 100 based upon course-level, grade-level standards (Texas Essential Knowledge and Skills) for all subject areas and a grade of 70 or above in each of the following four courses: language arts (the average of English and reading), mathematics, science, and social studies. In addition, the student must meet minimum expectations on the reading and mathematics sections on the state-mandated assessment STAAR.

UNIVERSITY INTERSCHOLASTIC LEAGUE (UIL)
LCISD participates in UIL academic activities. Students wishing to take part will enroll with the campus UIL Coordinator. They will be assigned to the sponsoring teacher/coach in the preferred subject/activity area and will begin to prepare for the competition in the spring semester. The tournaments are governed by state rules and take place at regional levels. The regional tournaments usually require travel to another school district on a Saturday in the spring semester.

SIXTH GRADE REQUIRED AND ELECTIVE COURSES

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>English*</td>
<td>Art***</td>
</tr>
<tr>
<td>Reading*</td>
<td>Band***</td>
</tr>
<tr>
<td>Math*</td>
<td>Choir***</td>
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<tr>
<td>Science*</td>
<td>Theatre***</td>
</tr>
<tr>
<td>Social Studies*</td>
<td></td>
</tr>
<tr>
<td>Physical Education/Health*</td>
<td></td>
</tr>
<tr>
<td>Reading Improvement or Math Improvement or Elective**</td>
<td></td>
</tr>
</tbody>
</table>

*Technology Application TEKS, are integrated into the foundation courses throughout the year.
**Reading Improvement or Math Improvement may be required of students whose performance on the STAAR test is less than proficient.
***School districts must ensure that each student completes one Texas essential knowledge and skills-based fine arts course in Grade 6, Grade 7, or Grade 8. TAC 74.3(a)(2). Fine arts courses in offered in Lamar CISD middle schools are art, band, choir, and theatre.

Student choices in course selection may limit elective options. Staffing and class size may also limit elective choices.

MIDDLE SCHOOL INSTRUCTIONAL PROGRAMS

COURSE DESCRIPTION
Courses are taught according to the district curriculum, which is based on the Texas Essential Knowledge and Skills required by the Texas Education Agency for all students. Emphasis is placed on recognizing and using higher levels of cognitive skills, developing processing skills, recognizing and using critical and creative thinking skills, interacting with concept-based subject matter and developing and improving oral and written communication skills in a variety of formats.

GIFTED AND TALENTED
Students identified as Gifted and Talented (GT) must enroll in at least one or more PAP GT courses in one or more of the core subject areas for which they have been identified to receive GT services each year. If a student chooses not to enroll in the minimum number of courses to maintain his/her GT status, then that student may be formally furloughed (for up to one year) or exited from the GT program (See procedures in LCISD GT Handbook). Teachers in GT courses add depth, breadth, and complexity to the district curriculum that is based on the state curriculum objectives (TEKS). Students in these courses are periodically offered choices in topics for projects and/or products. All of the coursework in these courses uses modifications in content, teaching strategies, and products appropriate to the advanced abilities of the students. Students entering GT in LCISD (grades 6-12) are identified as gifted in specific subject-area(s), which...
is/are determined by the District GT Admissions-Review-Exit (A.R.E.) Committee. PAP GT courses are offered in each of the core curriculum areas: science, English/language arts, math, and social studies.

SPECIAL EDUCATION
Special education services are provided to those students who are found to be eligible for such services by the Admission, Review and Dismissal (ARD) Committee. Eligibility is based on identified physical, mental and/or emotional difficulties that cause significant educational problems. Specialized instruction and related services are provided through both regular and/or special education courses to meet individual students’ needs.

AT-RISK (ACCELERATED AND COMPENSATORY EDUCATION SERVICES)
At-Risk (Accelerated and Compensatory Education) services are provided to students under the age of 21 who meet indicators that might lead to being at-risk for dropping out of school.

SECTION 504 SERVICES
Students with physical and/or mental disabilities that impact their educational achievement as determined by a 504 Committee receive accommodations and support services as specified in an Individual Accommodation Plan (IAP). Students enroll in coursework with State Assessments and End of Course requirements. Course content for 504 students is not modified or changed. However, strategies that accommodate the student’s disability and are needed to facilitate academic success are provided. The student’s Individual Accommodation Plan is reviewed annually and changes are made based on educational progress.

DYSLEXIA
Dyslexia screening and identification are conducted in accordance with the State Board of Education Guidelines. The campus dyslexia instructional program falls under the Section 504 or Special Education.

PROGRAMS FOR STUDENTS WITH SIGNIFICANT COGNITIVE DISABILITIES
An individualized training program is provided for students through all special education courses. Each student’s course of study is designed by the ARD-IEP committee that specifies content objectives and mastery required. Special education programs and course objectives for students with significant cognitive disabilities are developed to meet the unique needs and capabilities of each student.

ENGLISH AS A SECOND LANGUAGE
English as a Second Language services are provided to students who are English Language Learners (ELL) as determined by the Language Proficiency Assessment Committee (LPAC). Eligibility is based on response to the home language survey (indicating a language other than English is spoken in the home), an oral language proficiency test, and a norm referenced achievement test. The program emphasizes the mastery of English/language skills, in mathematics, science, and social studies using sheltered strategies to make content comprehensible and acquire academic language skills. The program addresses the affective, linguistic, and cognitive needs of ELL students. The ESL program is an integral part of the regular educational program and is supported by the English Language Proficiency Standards (ELPS) with a focus on the development of critical language skills. ELL students enroll in ESL courses based on their level of proficiency in English as determined by the LPAC committee.

CENTRALIZED PROGRAMS
Centralized programs may only be offered at some middle school campuses in the district.

Lamar CISD makes a concerted effort to avail all programs to students, however, some courses may not be available due to staffing and class size. All prerequisites specified for a course are to be met prior to registering unless waived by the building principal.

MIDDLE SCHOOL COURSE OFFERINGS

REQUIRED COURSES
119 6 ELAR
118 6 ELAR PAP GT
This course offers the opportunity to read, write, listen, speak, and think using increasingly challenging works within a variety of genres, including fiction, poetry, drama, informational and argumentative text. Students will then apply these genre characteristics and craft when planning, developing, revising, editing, and publishing multiple drafts including personal narrative, fiction, poetry, informational and argumentative texts. In addition, students will engage in recurrent inquiry processes and will develop oral language through organized presentations and student-led discussions.

125 6 English ESL
165 6 Reading ESL
Prerequisite: LPAC recommendation
This course offers the opportunity to read, write, listen, speak, and think using increasingly challenging works within a variety of genres, including fiction, poetry, drama, informational and argumentative text. Students will then apply these genre characteristics and craft when planning, developing, revising, editing, and publishing multiple drafts including personal narrative, fiction, poetry, informational and argumentative texts. In addition, students will engage in recurrent inquiry processes and will develop oral language through organized presentations and student-led discussions. Students should engage in academic conversations, write, read, and be read to on a daily basis with opportunities for cross-curricular content and student choice. Instruction will be linguistically accommodated in accordance with the English Language Proficiency Standards (ELPS) and the student’s English language proficiency levels to ensure the mastery of knowledge and skills in the required curriculum is accessible.
Mathematics
227 Mathematics
230 Mathematics PAP GT
The major focus of the sixth grade mathematics is on using ratios to describe proportional relationships involving number, geometry, measurement, and probability. Basic operations are extended to adding and subtracting decimals and fractions. Topics include patterns, relationships, and algebraic thinking, geometry and spatial reasoning, measurement, and probability and statistics. Students begin using algebraic thinking to connect verbal, numeric graphic, and symbolic representations of relationships.

Science
327 Science
328 Science PAP GT
Grade 6 science is arranged in five strands; Scientific Investigation and Reasoning, Matter and Energy, Force, Motion and Energy, Earth and Space, and Organisms and Environments. Grade 6 Science is interdisciplinary in nature; however, much of the content focus is on physical science. Science in the sixth grade is designed to build on prior knowledge of scientific concepts; apply knowledge of scientific concepts; and stimulate students’ curiosity as they investigate science in the natural world. Lab investigations and the use of safe science practices are stressed.

Social Studies 6
427 Social Studies
429 Social Studies PAP GT
This course is a study of the people and places of the contemporary world. Societies selected for study are chosen from major cultural regions of the world. Concepts of historical and geographical influence, economic and governmental systems, and social institutions are developed through comparisons within, between, and among cultures.

Physical Education/Health 601, 602
Sixth grade students participate in a full suit-out and shower physical education program that includes fitness and conditioning, individual activities, and team sports. Students also have an opportunity to learn long-lasting, healthy living concepts. Health in sixth grade heightens awareness about the links between health and personal choice and helps the student learn how to develop a healthy lifestyle.

ELECTIVE COURSES
Student choices in course selection may limit elective options. Staffing and class size may also limit elective choices.

721 Introduction to Art
Introduction to Art is a comprehensive course that provides students with introductory experiences by expressing themselves inventively and imaginatively through a variety of art, media, techniques and vocabulary. Emphasis is placed on art production incorporating the study of artists, artistic styles, and the elements of art and principles of design. The art studio is a creative environment, rich with experiences to personally develop every student. This course fulfills the state requirement that all students must complete one year long TEKS-based fine arts course in grades 6, 7, or 8.

723 Beginning Band
No previous experience is required for entry into this band class. Students are taught the basic skills of playing an instrument and music reading. Students are placed on instruments by recommendation of the band director. If possible, effort is made to honor the student’s instrument request. However, each band director works to place students on instruments that provide the best opportunity for the individual success of the student and to balance the instrumentation of the band program. Students playing flute, clarinet, alto saxophone, trumpet/cornet, trombone, and percussion furnish their own instrument and accessories. Student may purchase or rent an instrument through a wide range of music instrument dealers. An instrument should not be obtained until the student has interviewed with the band director. A limited number of school-owned instruments including oboe, bassoon, French horn, euphonium, and tuba are available. Parents of students with financial needs should contact the orchestra director at the school. The students perform 1-3 concerts per year. Some outside-of-the-school day rehearsals are required to prepare for the concerts. This course fulfills the state requirement that all students must complete one year-long TEKS-based fine arts course in grades 6, 7, or 8.

722 Beginning Choir
Choral Music is open to students interested in singing and learning the basics of singing. Students must enroll for the entire year. Students will learn and develop proper vocal technique and music reading skills in order to perform many difference types of music from popular to traditional styles. Performance opportunities may include public concerts throughout the year, a spring festival competition, and a pop show. Prior to each performance/competition, students may have rehearsals outside-of-the-school day. Calendars will be distributed to students at the beginning of the year and rehearsal/performance schedules will be updated throughout the year. This course fulfills the state requirement that all students must complete one year long TEKS-based fine arts course in grades 6, 7, or 8.

737 Beginning Orchestra
No previous experience is required for entry into this program. Students are taught the basic skills of playing an instrument and music reading. Students are placed on instruments by recommendation of the orchestra director. If possible, effort is made to honor the student’s instrument request. However, each orchestra director works to place students on instruments that provide the best opportunity for the individual success of the student and to balance the instrumentation of the orchestra program. Students playing violin, viola, and cello their own instrument and accessories. Student may purchase or rent an instrument through a wide range of music instrument dealers. An instrument should not be obtained until the student has interviewed with the orchestra director. A limited number of school-owned instruments are available. Parents of students with financial needs should contact the orchestra director at the school. The students perform 1-3 concerts per year. Some outside-of-the-school day rehearsals are required to prepare for the concerts. This course fulfills the state requirement that all students must complete one year-long TEKS-based fine arts course in grades 6, 7, or 8.
724 Introduction to Theatre
This beginning course covers the fundamentals of acting and theatrical production. Classroom activities include mime / pantomime, improvisation, characterization, technical theatre (including: scenery, lighting, sound, costuming, hair / makeup), and play production. Emphasis will be placed on a variety of in-class performances and individual / group presentations. This course fulfills the state requirement that all students must complete one year long TEKS-based fine arts course in grades 6, 7, or 8.
THE U.S. DEPARTMENT OF EDUCATION
THE 16 CAREER CLUSTERS

Agricultural, Food & Natural Resources
The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Architecture & Construction
Careers in designing, planning, managing, building and maintaining the built environment.

Arts, Audio/Video Technology & Communications
Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Business, Management & Administration
Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.

Education & Training
Planning, managing and providing education and training services, and related learning support services.

Finance
Planning, services for financial and investment planning, banking, insurance, and business financial management.

Manufacturing
Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Marketing & Sales
Planning, managing, and performing marketing activities to reach organizational objectives.

Government & Public Administration
Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.

Health Science
Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Hospitality & Tourism
Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

Human Services
Preparing individuals for employment in career pathways that relate to families and human needs.

Information Technology

Law, Public Safety, Corrections & Security
Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical services.

Science, Technology, Engineering & Mathematics
Planning, managing, and providing scientific research and professional and technical services (e.g. physical science, social science, and engineering) including laboratory and testing services, and research and development services.

Transportation, Distribution & Logistics
Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.