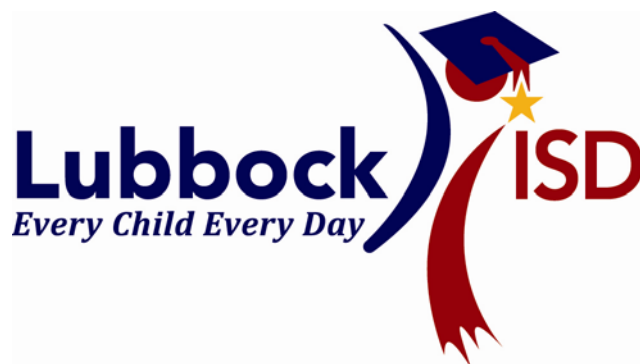


**COURSE OFFERINGS  
AND  
GRADUATION REQUIREMENTS**

**2010-2011 School Year  
For  
Grades 9 - 12**

**LUBBOCK INDEPENDENT SCHOOL  
DISTRICT  
Lubbock, Texas**



**LUBBOCK INDEPENDENT SCHOOL DISTRICT**  
**Secondary Course Offerings, Grades 9 – 12**  
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# 2010-2011 COURSE OFFERINGS AND GRADUATION REQUIREMENTS

## Lubbock Independent School District

### Grades 9-12

#### I. Use of This Bulletin

During regularly planned orientation and registration sessions, teachers, counselors, and principals will help students with course choices for the succeeding year. Students and parents should consult with school personnel regarding any questions not answered in the planned guidance sessions.

**LISD publishes additional publications which aid students in academic/career decisions.**

#### II. High School Graduation Requirements

Section III describes different programs under which a student may graduate. The items below are common to any of the programs in Lubbock ISD.

- Every student and parent at the beginning of the student's seventh grade year will be notified of the essential skills and knowledge to be measured on the (TAKS) Texas Assessment of Knowledge and Skills test. Every student new to the district after the seventh grade will be notified about the testing requirements for graduation including the essential skills and knowledge to be measured.
- Students will be required to pass the TAKS.
- Each student must earn the necessary number of credits as defined by the selected program.
- Whereas all students receive the same type of diploma, the transcripts will be marked with seals indicating the graduation program for each student. (Minimum, Recommended, Distinguished)
- All units for graduation shall be earned in grades 9-12, with the exception of Algebra I taken in grade eight, and World Languages, which may be taken in grades seven and eight.
- All numerical grades on the transcript will be counted in computing the grade point average.

#### III. Graduation Programs

Students may graduate under these plans:

- Minimum High School Program 22 credits
- Recommended High School Program 26 credits
- Distinguished Achievement Program 26 credits + 4 additional measures on page 6

LISD allows any student to graduate under the requirements listed in the course offerings bulletin that was issued to that student for his/her ninth grade year.

**HIGH SCHOOL GRADUATION REQUIREMENTS FOR 2011, 2012 & 2013  
GRADUATES**

<b>SUBJECT AREA</b>	<b>RECOMMENDED PROGRAM</b>	<b>DISTINGUISHED ACHIEVEMENT PROGRAM</b>	
<b>ENGLISH</b>	<b>4 credits</b> (English I, II, III, IV or approved ESOL courses)	<b>CREDIT REQUIREMENTS (Listed under Distinguished Achievement)</b>  <b>PLUS</b> <b>Any combination of four from the following advanced measures:</b>  A score of 3 or above on a College Board AP exam or a score of 4 on an IB exam  A grade of 3.0 or higher on courses that count for college credit  A score on the PSAT that qualifies a student as a National Merit Commended Scholar or higher in any category (only 1 for PSAT score)  An original research/project judged by a panel of professionals in the field or conducted under a mentor and reported to an appropriate audience. (May not be used for more than two measures)	
<b>MATH</b>	<b>4 credits</b> (Algebra 1, Geometry, Algebra 2 - 4 <sup>th</sup> credit that will come from the State Board of Education list of approved courses)		
<b>SCIENCE</b>	<b>4 credits</b> (Biology, Chemistry, Physics – 4 <sup>th</sup> credit that will come from the State Board of Education list of approved courses)		
<b>SOCIAL STUDIES</b>	<b>4 credits</b> (World Geography, World History, U.S. History, ½ U.S. Government, ½ Economics)		
<b>WORLD LANGUAGES</b>	<b>2 credits</b>		
	<b>3 credits</b>		
	(Must be of the same language)		
<b>FINE ARTS</b>	<b>1 credit</b> (May be selected from Art I-IV, Dance I-IV, Music I-IV, Theater I-IV, or Principles and Elements of Floral Design)		
<b>SPEECH</b>	<b>½ credit</b> (Must be <b>Communication Applications or Professional Communications</b> )		
<b>P.E. or ATHLETICS</b>	<b>1 credit</b> (see additional information below)		
<b>ELECTIVES</b>	<ul style="list-style-type: none"> <li>• ½ <b>credit</b> in Health</li> <li>• <b>1 credit</b> in an approved Technology Application course</li> <li>• ½ <b>additional credit</b> in an approved PE course</li> <li>• <b>3 ½ credits</b> in state approved elective courses</li> </ul>	<ul style="list-style-type: none"> <li>• ½ <b>credit</b> in Health</li> <li>• <b>1 credit</b> in an approved Technology Application course</li> <li>• ½ <b>additional credit</b> in an approved PE course</li> <li>• <b>2 ½ credits</b> in state approved elective courses</li> </ul>	
<b>TOTAL CREDITS</b>	<b>26 credits</b>	<b>26 credits</b> (plus Advanced Measures – see column to the right)	

The Lubbock Independent School District requires 1/2 credit in Health, an additional 1/2 credit in Physical Education (or approved substitute) and 1 credit in an approved Technology Application course as additional elective requirements for the Class of 2011, 2012, and 2013. These requirements create equity for students in those graduating classes and maintain the state expectations that were in place when these students entered the 9<sup>th</sup> grade.

PE credits may be selected from a combination of the following ½ credit courses:

- Foundations of Personal Fitness, including JROTC, Drill Team, Cheerleading, Marching Band, and private or commercially-sponsored physical activity programs conducted on or off campus;
- Adventure/Outdoor Education, including private or commercially-sponsored physical activity programs conducted on or off campus; and
- Aerobic Activities, including JROTC, Drill Team, Cheerleading, Marching Band, and private or commercially-sponsored physical activity programs conducted on or off campus
- Athletics I-IV

In accordance with local district policy, a school district may award credit for physical education for appropriate private or commercially-sponsored physical activity programs conducted on or off campus. The district must apply to the commissioner of education for approval, and approval may be granted under the following conditions.

- Olympic-level participation and/or competition includes a minimum of 15 hours per week of highly intensive, professional, supervised training.
- Private or commercially-sponsored physical activities include those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Student participation of at least 5 hours per week must be required.

See school personnel for additional information and requirements regarding this policy.

## HIGH SCHOOL GRADUATION REQUIREMENTS FOR 2014 & BEYOND GRADUATES

SUBJECT AREA	RECOMMENDED PROGRAM	DISTINGUISHED ACHIEVEMENT PROGRAM	<b>CREDIT REQUIREMENTS (Listed under Distinguished Achievement)</b>  <b>PLUS</b> <b>Any combination of four from the following advanced measures:</b>  A score of 3 or above on a College Board AP exam or a score of 4 on an IB exam  A grade of 3.0 or higher on courses that count for college credit  A score on the PSAT that qualifies a student as a National Merit Commended Scholar or higher in any category (only 1 for PSAT score)  An original research/project judged by a panel of professionals in the field or conducted under a mentor and reported to an appropriate audience. (May not be used for more than two measures)
<b>ENGLISH</b>	<b>4 credits</b> (English I, II, III, IV or approved ESOL courses)		
<b>MATH</b>	<b>4 credits</b> (Algebra 1, Geometry, Algebra 2 - 4 <sup>th</sup> credit that will come from the State Board of Education list of approved courses)		
<b>SCIENCE</b>	<b>4 credits</b> (Biology, Chemistry, Physics – 4 <sup>th</sup> credit that will come from the State Board of Education list of approved courses)		
<b>SOCIAL STUDIES</b>	<b>4 credits</b> (World Geography, World History, U.S. History, ½ U.S. Government, ½ Economics)		
<b>WORLD LANGUAGES</b>	<b>2 credits</b>	<b>3 credits</b>	
(Must be of the same language)			
<b>FINE ARTS</b>	<b>1 credit</b> (May be selected from Art I-IV, Dance I-IV, Music I-IV, Theater I-IV, or Principles and Elements of Floral Design)		
<b>SPEECH</b>	<b>½ credit</b> (Must be Communication Applications or Professional Communications)		
<b>P.E. or ATHLETICS</b>	<b>1 credit</b> (see additional information below)		
<b>ELECTIVES (Required locally)</b>	<b>5½ credits</b> in state approved elective courses	<b>4 ½ credits</b> in state approved elective courses	
<b>TOTAL CREDITS</b>	<b>26 credits</b>	<b>26 credits</b> (plus Advanced Measures – see column to the right)	
PE credits may be selected from a combination of the following ½ credit courses: <ul style="list-style-type: none"> <li>• Foundations of Personal Fitness, including JROTC, Drill Team, Cheerleading, Marching Band, and private or commercially-sponsored physical activity programs conducted on or off campus;</li> <li>• Adventure/Outdoor Education, including private or commercially-sponsored physical activity programs conducted on or off campus; and</li> <li>• Aerobic Activities, including JROTC, Drill Team, Cheerleading, Marching Band, and private or commercially-sponsored physical activity programs conducted on or off campus</li> <li>• Athletics I-IV</li> </ul> In accordance with local district policy, a school district may award credit for physical education for appropriate private or commercially-sponsored physical activity programs conducted on or off campus. The district must apply to the commissioner of education for approval, and approval may be granted under the following conditions. <ul style="list-style-type: none"> <li>• Olympic-level participation and/or competition includes a minimum of 15 hours per week of highly intensive, professional, supervised training.</li> <li>• Private or commercially-sponsored physical activities include those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Student participation of at least 5 hours per week must be required.</li> </ul> See school personnel for additional information and requirements regarding this policy.			

**The Recommended Program is the expected program within the Lubbock Independent School District.**

In order to opt into the Minimum Program a student must:

- 1) Be at least 16 years of age; or
- 2) Have completed two credits required for graduation in each subject of the foundation curriculum; or
- 3) Have failed to be promoted to the tenth grade one or more times as determined by the school district.

A student may enroll in the Minimum Program if the parent and administrator or counselor agrees and any one of these three circumstances is met. A student has the right to reenroll in the Recommended Program at any time.

**Minimum Program (22 state credits)**

<b>Discipline</b>	<b>Class of 2011, 2012 &amp; 2013</b>	<b>Class of 2014 &amp; beyond</b>
<b>English</b>	<b>4 credits</b> A student may select the fourth required credit from any state approved substitute	
<b>Mathematics</b>	<b>3 credits</b> to include Algebra I & Geometry	
<b>Science</b>	<b>2 credits</b> to include Biology and Integrated Physics & Chemistry. A student may substitute Chemistry or Physics for IPC, and then must use the second of those two courses as the Academic Elective (see below)	
<b>Social Studies &amp; Economics</b>	<b>3 credits.</b> They must consist of World History or World Geography, United States History, Government, and Economics	
<b>Academic Elective</b>	<b>1 credit.</b> Must be selected from World History, World Geography, or any SBOE approved science course. If a student replaces IPC with Chemistry or Physics, the Academic Elective must be the other of those two science courses.	
<b>Physical Education</b>	<b>1 credit</b> (see additional information below)	
<b>Fine Arts</b>	<b>none</b>	<b>1 credit</b> (May be selected from Art I-IV, Dance I-IV, Music I-IV, Theater I-IV, or Principles and Elements of Floral Design)
<b>Speech</b>	<b>½ credit</b> (Must be Communication Applications or Professional Communications)	
<b>Additional Components/ Electives</b>	<ul style="list-style-type: none"> <li>• <b>½ credit</b> in Health</li> <li>• <b>1 credit</b> in an approved Technology Application course</li> <li>• <b>½ additional credit</b> in an approved PE course</li> <li>• <b>5 ½ credits</b> in state approved elective courses</li> </ul>	<b>6 ½ credits</b> from state approved courses
<b>TOTAL CREDITS</b>	<b>22 Credits</b>	<b>22 credits</b>

PE credits may be selected from a combination of the following ½ credit courses:

- Foundations of Personal Fitness, including JROTC, Drill Team, Cheerleading, Marching Band, and private or commercially-sponsored physical activity programs conducted on or off campus;
- Adventure/Outdoor Education, including private or commercially-sponsored physical activity programs conducted on or off campus; and
- Aerobic Activities, including JROTC, Drill Team, Cheerleading, Marching Band, and private or commercially-sponsored physical activity programs conducted on or off campus
- Athletics I-IV

In accordance with local district policy, a school district may award credit for physical education for appropriate private or commercially-sponsored physical activity programs conducted on or off campus. The district must apply to the commissioner of education for approval, and approval may be granted under the following conditions.

- Olympic-level participation and/or competition includes a minimum of 15 hours per week of highly intensive, professional, supervised training.
- Private or commercially-sponsored physical activities include those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Student participation of at least 5 hours per week must be required.

See school personnel for additional information and requirements regarding this policy.

## **E. Advanced Measures of Distinguished Achievement Program**

The Distinguished Achievement Program recognizes students who demonstrate levels of performance equivalent to college students or work done by professionals in the arts, sciences, business, industry, or in community service. This performance is assessed through an external review process.

Students must complete the required 26 credits to receive the Distinguished Achievement Program transcript. The 26 credits may include any combination of four from the following advanced measures:

1. An original research/project or product conducted under the direction of a mentor and judged by a panel of professionals in the field that is the focus of the research/project or product. (May complete no more than two different research/projects or products to satisfy the requirement.) Work must be completed by March 31 of the senior year.
2. A grade of 3.0 or higher that count for college credit, including the Tech Prep program. (Four college courses totaling 12 or more college hours may satisfy both the core component requirement and the advanced measures requirement.)
3. A score of three or above on The College Board Advanced Placement examination. (Four examinations shall satisfy the requirement.)
4. A score of four or above on an International Baccalaureate examination. (Four examinations shall satisfy the requirement.) A student may only count a required score on an examination for either an AP or IB course, not for both.

In reference to items 2, 3, and 4, an AP exam score of 3 or better and the college credit earned for an A or B in the same course may count only as one advanced measure.

5. A score on the PSAT that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corporation, for recognition by the National Hispanic Scholar Recognition Program of the College Board, or for recognition by the National Achievement Scholarship Program for Outstanding Negro Students of the National Merit Scholarship Corporation. (May count only one as an advanced measure regardless of the number of honors received.)

The appropriate Assistant Principal should be contacted for additional information regarding advanced measures.

## **IV. Rank in Class**

Rank is determined by grades made during the first semester of the twelfth grade, all grades made in the eleventh, tenth, and ninth grades, as well as Algebra in grade eight, and World Languages in grades seven and eight. All subjects in which a numerical grade is given shall be used in evaluating rank. A course may be taken a second time only if the first grade is below a 90. If the same course is taken a second time, both grades shall show on the transcript and both grades shall be counted toward the grade point ratio and the rank in class. Grade point averages are carried to the hundredths but are not rounded up.

For the purpose of determining rank in class, as well as for determining honor graduates, the following grade point scale will be used: 90-100 = 4; 80-89 = 3; 75-79 = 2; 70-74 = 1; 50-69 = 0. For AP, Pre-AP, Pre-IB, and IB courses in grades 9-12, and Algebra I Pre-AP in grade 8, the following scale will be used: 90-100 = 5; 80-89 = 4; 75-79 = 3; 70-74 = 2; 50-69 = 0. Example: A student who has the following scores on a report card will have his/her average calculated as follows:

<b>Course</b>	<b>Grade</b>	<b>Points</b>	<b>GPA</b>
English III AP	91	5	
Algebra II Pre-AP	86	4	
Chemistry I	95	4	
World History	98	4	
Health I	80	3	
P.E.	76	2	
Choir	94	4	
Spanish II	83	3	
		29	29/8 = 3.62

**V. Valedictorian, Salutatorian, Honor Graduate**

- A. Students desiring to reach any of the levels named should take weighted courses in the earliest year possible. Course planning should begin as the student enters the eighth grade. Students and parents are encouraged to consult with school counselors and to attend any orientation meetings provided that address this topic.
- B. The student with the highest grade point average in each high school shall be named valedictorian. The student with the second highest grade point average shall be named salutatorian. The grade point average for these two shall not be limited to the hundredth place. If there is a tie, those tied receive the same honor. Other policies include:
  - 1. All semester courses, in which a numerical grade is given, including Algebra I Pre-AP in grade 8 and World Languages in grades 7 and 8, are used in averaging.
  - 2. A course may be taken a second time only if the first grade is below a 90. If the same course is taken a second time, both grades shall show on the transcript and both grades shall be counted toward the grade point ratio and the rank in class.
  - 3. Certain courses are specified by the district to receive additional grade points.
  - 4. To be valedictorian or salutatorian, the student shall have attended high school for eight consecutive semesters and shall have attended a district high school the two years prior to graduation. Early graduates cannot be valedictorian or salutatorian.
  - 5. The provisions governing the selection of the valedictorian and salutatorian shall be the same as those used in the ranking of senior students, except that grades earned through the second semester of the senior year will be included.
- C. An honor graduate shall have a grade point average of at least 3.50 and the average shall not be rounded up. A high honor graduate shall have a grade point average of at least 4.00 and the average shall not be rounded up.

**VI. Courses Taken as Pass/Fail**

Juniors and seniors may take course work as pass/fail by declaring their intent prior to the end of the first six weeks of class, provided the following criteria are met.

- 1. Graduation requirements must be fulfilled within the core area where pass/fail is requested.
- 2. Pre-AP and AP courses, as well as Pre-IB and IB courses, may not be taken as pass/fail. Those achieving a grade of 70 or higher shall be awarded credit, but a numerical grade will not be recorded on the transcript nor included in the student's grade point average.

By taking a non-weighted class pass/fail, this grade is not calculated in the grade point average. Thus, the student is not penalized for taking a course that does not receive extra grade points.

**VII. Early High School Graduation Scholarship**

The College for Texans website ([www.collegefortexans.com](http://www.collegefortexans.com)) is a recommended source for information about Texas colleges and universities and paying for college. The purpose of the Early High School Graduation Scholarship Program is to provide tuition and fee assistance to students completing grades 9–12 early or with a significant number of college hours; thus, enabling and encouraging the student to attend college in Texas.

Students are eligible for various scholarship awards through the State of Texas for completing grades 9-12 early.

Eligible applicants must:

- Have graduated from a Texas public high school on or after 6/15/2007
- Have completed either the Recommended high school curriculum or the Distinguished Achievement high school curriculum in no more than 36 consecutive months, no more than 41 months or no more than 46 months;
- Have attended the majority of high school in Texas;
- Have registered for the Selective Service or are exempt from this requirement; and
- Be U.S. citizens or otherwise lawfully authorized to be in the United States.

Eligibility to receive an award through this program begins with the first regular semester or term following high school graduation (excluding the summer session between graduation and the first fall term). Eligibility ends six years later, unless the student seeks and is granted a hardship extension.

The awards may be used at both public and private, non-profit colleges and universities in Texas. If the award is used at a Texas non-profit private college or university, the college or university must provide a matching scholarship (or combination of smaller scholarships) of matching value to use this credit. No funds may be used to pay for continuing education classes for which the college receives no state tax support.

#### Awards

- An otherwise eligible student who graduates in no more than 36 months receives \$2,000 for use toward tuition and required fees. If he/she also graduates with at least 15 semester credit hours of college credit, he/she may receive an additional \$1,000.
- An otherwise eligible student who graduates in more than 36 months but no more than 41 months receives \$500 for use toward tuition and required fees. If he/she also graduates with at least 30 semester credit hours of college credit, he/she may receive an additional \$1,000.
- An otherwise eligible student who graduates in more than 41 months but no more than 46 months can receive \$1,000 if he/she graduates with at least 30 semester credit hours of college credit.

#### **Top 10% Rule**

Texas Education Code Section 51.803, Amended August 26, 2009

If you are in the top 10% of your high school graduating class, you are eligible for automatic admission to any public university in Texas *except the University of Texas at Austin* (see below).

To meet the requirements for automatic admission, you must:

- Graduate in the top 10% of your class at a public or private high school in Texas within the two years prior to the academic year that you are applying, **or**
- Graduate in the top 10% of your class from a high school operated by the U.S. Department of Defense and be a Texas resident or eligible to pay resident tuition;
- Enroll in college no more than two years after graduating from high school; **and**
- Submit an application to a Texas public university for admission before the application deadline. (Check with the university for specific deadlines.)

If you are admitted to college through the Top 10% Rule, you may still be required to provide SAT or ACT scores, but these scores are not used for admissions purposes. You must also take the THEA test, unless you are exempt from the test requirement. Be sure to check with the school's admissions office regarding THEA, SAT, and ACT requirements.

After you are admitted, the university may review your high school records to determine if you are ready for college-level work. If you need additional preparation, you may be required to take a developmental, enrichment or orientation course prior to your first semester of college. Please keep in mind that admission to a university does not guarantee acceptance into a particular program of study or academic department.

## **Information for Admission to the University of Texas at Austin Entering Freshman Class of Summer/Fall 2011**

In accordance with Senate Bill 175

For the period from the 2011-2012 academic year through the 2015-2016 academic year, the University of Texas at Austin is not required to admit applicants in excess of the number needed to fill 75% of first-time resident undergraduate students.

Using data from recent years, the University of Texas at Austin has determined that automatically admitting students in the top 8% of their high school graduating class to the 2011 entering freshman class will fill 75% of available spaces. As a result, the University of Texas at Austin will automatically admit all eligible 2011 summer/fall freshman applicants who rank within the top 8% of their high school graduating classes, with remaining spaces to be filled through holistic review.

### **The TEXAS Grant Program**

The TEXAS Grant was established to insure that deserving high school graduates with financial need could go to college. The TEXAS Grant, in combination with other aid, pays tuition and fees at the state's public colleges and universities. To apply, students and parents are to submit the Free Application for Federal Student Aid (FAFSA). Funding is limited; therefore, the FAFSA application needs to be submitted as soon as possible after January 1 of the senior year.

To be eligible, a student must be a Texas resident, have not been convicted of a felony or crime involving a controlled substance, show financial need, complete the Recommended or Distinguished Achievement Program in high school, enroll in a non-profit public college or university in Texas within 16 months of graduation from a public or accredited private high school in Texas and have accumulated no more than 30 semester credit hours, excluding those earned for dual or concurrent courses or awarded for credit by examination (AP, IB, or CLEP). If awarded, a TEXAS Grant is renewable up to 150 semester credit hours until you receive a bachelor's degree, or for five years if enrolled in a 4-year degree plan or six years if enrolled in a 5-year degree plan.

The academic requirements for continuing in the program are:

- at the end of the first year, a student entering the program must be meeting the school's Satisfactory Academic Progress (SAP) requirements;
- at the end of the second year in the program or later years, all students must complete at least 75% of the hours attempted in the prior academic year, have an overall college grade point average (GPA) of at least 2.5 on a 4.0 scale and complete at least 24 semester credit hours per year.

For 2009-2010, the state amount is approximately \$6,080 per year for a full-time student (15 semester credit hours fall and spring semester) at a public university or state college; \$1780 per year for a full-time (15 credit hours) student attending a public community college; \$2680 per year for a full-time public technical college student; and \$3808 per year for private institution college students. The financial aid office at each college and university will determine if TEXAS Grant is part of the aid package that is offered to you.

### **The Teach for Texas Conditional Grant Program**

To become eligible for the Teach for Texas Conditional Grant, a student must obtain a recommendation from the dean/chair of the college/school or department of education. A recipient of this grant must teach full-time as a certified teacher for a period of five years in an approved Texas public school. The recipient must also teach in a field that has been declared a critical shortage field in Texas by the Texas Education Agency. At that time, the student must be enrolled in an educator certification program or must have begun teaching in that field and/or teach in a community that has been designated by the Texas Education Agency as having a critical shortage of teachers. To receive credit for the shortage field option, the student must be fully certified in the specific field (not just certified with a specialization in one of the fields.)

### **Texas Public Education Grant (TPEG)**

The TPEG is to provide grant assistance to students with financial need. Students who are Texas residents, non-residents, or foreign students, show financial need, and register for the Selective Service or are exempt from this requirement can apply. Public colleges or universities in Texas make TPEG awards from their own resources. Students must complete the Free Application for Federal Student Aid (FAFSA). The financial aid office at the college or university the student applied to will notify the student if he/she is eligible. For additional information visit: [www.collegefortexans.com](http://www.collegefortexans.com).

### **The Tuition Equalization Grant Program (TEG)**

This grant provides aid to financially needy students to enable them to attend private non-profit colleges or universities in Texas. It will grant up to \$3,653 per school year. Eligible applicants must:

- be a Texas resident
- be a National Merit Finalist
- have registered for Selective Service
- have not received athletic scholarships
- pay more tuition than required to attend a public institution

## **VIII. Suggestions to Ensure College Readiness**

**Typical Minimum Entrance Requirements:** As there is such a wide variation in the entrance requirements of various colleges, it is very difficult to list a typical or minimum entrance pattern. Although the counselors maintain a college bulletin file, it is recommended that students secure current bulletins from the colleges they may consider attending and select high school courses which will meet the entrance requirements for these colleges. Students should note that the entrance requirements vary within departments or divisions of a college. For example, engineering schools require that students present additional units in mathematics and science.

**World Languages:** Some colleges require two years of World Languages, some require three years, and others do not require any. The general education requirement at Texas Tech includes World Languages, unless students have completed two units of a single World Language at the high school level.

**Required Credits and Limitations on Electives:** The number of electives allowed for admission varies considerably among colleges, and sometimes only a limited number of certain types of electives are accepted. Students should check carefully to determine the limitations placed by the college of their choice on the number of electives allowed in a certain subject area or in a combination of certain subject areas.

**Specific College Degrees:** Students should consider whether the minimum entrance requirements will provide adequate background for the courses required by colleges for specific degrees.

**Rank in Class:** Some colleges accept only those students who rank at a certain level of the class (for example: upper 10 percent or upper 25 percent).

**These factors are covered in detail in the 9-12 high school handbooks, The Official High School Guide.**

## **IX. College Entrance and Advanced Placement Tests and International Baccalaureate Exams**

The American College Test Battery (ACT) or College Entrance Examination Board Scholastic Achievement Test (SAT) is required by most colleges. Usually it is recommended that students take the ACT and/or College Board SAT during the spring of their junior year or fall of their senior year. Students should consult college bulletins to determine required or recommended tests and test deadlines.

The College Board Preliminary Scholastic Achievement Test (PSAT) predicts how students will perform on the SAT test, a test used for college admissions purposes. LISD will administer the PSAT to district 8<sup>th</sup> and 10<sup>th</sup> graders at no expense to the student on the national test day in October. These test results will enable the district to provide better guidance in high school course choices for the student and their parents/guardians. The PSAT will be given on a voluntary basis, at student expense, to interested 9<sup>th</sup> and 11<sup>th</sup> grade students. Scores of the PSAT taken in the 11<sup>th</sup> grade year place the student in competition for scholarships offered by the National Merit Scholarship Corporation. Twelfth grade students do not take the PSAT.

Advanced Placement curriculum is available at all high schools. This curriculum will prepare students for Advanced Placement tests to be offered in the spring.

The College Board Advanced Placement tests are offered in the spring semester. The College Level Examination Program (CLEP) tests are given monthly at various testing centers. Both tests are voluntary. Participating colleges may award credit for Advanced Placement or CLEP test scores. Students should consult college bulletins and counselors for additional information. College credit may also be given for the SAT II or departmental examinations.

The International Baccalaureate Exams are given in the spring semester for juniors and seniors. The IB courses are offered at Lubbock High School, and students may sit for exams only if they are in the IB Diploma Program.

The Texas Higher Education Assessment (THEA) formerly known as The Texas Academic Skills Program (TASP) is designed to ensure that all students attending public colleges and universities in Texas have the reading, mathematics, and writing skills necessary to perform effectively in college-level course work. Students are encouraged to take the THEA Test while in high school. The test must be taken prior to enrolling in dual-credit courses. If the THEA Test score indicates that a student needs to improve his or her skills, a student can take a developmental course, work with a tutor, or participate in other activities during high school to improve those skills. Students may be exempted from the THEA based on their SAT, ACT, or TAKS scores. The counselor should be consulted for additional information or you may visit the THEA website at [www.thea.nesinc.com](http://www.thea.nesinc.com) for more information and to take a practice test.

## **X. Financial Aid**

Financial aid is available to help qualified students pay for education beyond high school. It is very important to begin planning early. Information can be obtained from counselors and from the college financial aid officer. The Texas Higher Education Coordinating Board has a very comprehensive website: [www.thecb.state.tx.us](http://www.thecb.state.tx.us). At this website, students and parents can read about tuition exemptions, grant programs, the top 10% admissions statute, the FAFSA (free application for federal student aid) and other information about financial aid. Financial aid may include scholarships, loans, grants, and work study programs.

## **XI. Classification of Students**

**Sophomores:** Students must have at least five (5) credits at the beginning of the school year to be classified as sophomores. Students who have fewer than five (5) credits at the end of their ninth grade year are deficient. They should attend summer school to remove this deficiency. At the beginning of the sophomore year, a student must have at least five (5) credits toward graduation or have passed five (5) credits the previous year in order to be eligible for extracurricular activities. Students are encouraged to complete English I and Algebra I prior to the sophomore year.

**Juniors:** To be classified as juniors, students must have at least ten (10) credits at the beginning of the school year. Students who have fewer than ten (10) credits at the end of their sophomore year are deficient. They should attend summer school to remove this deficiency. A student must have at least ten (10) credits toward graduation or have passed five (5) credits the previous year in order to be eligible for extracurricular activities.

**Seniors:** To be classified as seniors, students must have at least fifteen (15) credits at the beginning of the school year. Students who have fewer than fifteen (15) credits at the end of their junior year are deficient. They should attend summer school to remove this deficiency. A student must have at least fifteen (15) credits toward graduation or have passed five (5) credits the previous year in order to be eligible for extracurricular activities.

In grades 9, 10, 11, and 12, courses taken in summer school, by correspondence, or credit by examination for acceleration can count toward eligibility; however, credit by examination for prior instruction will not count toward eligibility. Students may earn high school credit beginning the summer after the successful completion of the 8th grade. (Refer to XVII in this bulletin.)

## **XII. Course Load and Dropping a Course**

### **Full Time Student Requirement:**

A full-time student may drop a course at any time without penalty provided he/she has a passing average in that course. Seniors who have not mastered all portions of the TAKS, all juniors, all sophomores and all freshmen must be enrolled in 8 periods. Seniors who have mastered the TAKS must continue to be enrolled in a minimum of six periods (no fewer than three per day.)

### **Eligibility Requirements:**

A student may drop a course he/she is failing without penalty or loss of eligibility **only before the end of the fourth week of the first six weeks of the school year**. This rule is applicable if the student is taking two semester classes. There is no **four-week** grace period for the second semester. If a student is failing a course and drops the course **after the fourth week of the first six weeks**, the student shall remain on the computer roll and the failing semester grade of 50 shall be reported {EED (Local)}.

If a student drops a course **after the fourth week of the first six weeks and is failing**, he/she will come under the following guidelines:

- If the student drops a class with a grade lower than 70 at the end of the grading period, he/she will lose eligibility for seven (7) days following the end of the three (3) week evaluation period.
- If the student drops a class with a grade lower than 70 during a three (3) week evaluation period, he/she will lose eligibility until the next evaluation period. The next evaluation period could be the next three (3) week, six (6) week, or nine (9) week grading period or at the end of the 3, 6, 9, or 12 week grading period.

## **XIII. Request for Assignment for Courses Not Scheduled at Home School**

Students desiring to enroll in a course not scheduled at their home schools should consult with their counselor or principal before filling out a transfer request.

- A. Students desiring a course or program not scheduled at their home schools should make application during February to become a full-time student at the school where the course or program is offered.

- B. Students desiring one of the following courses will stay at the home school for all other courses. They will sign up through the regular enrollment procedures for that school.

<b>Course</b>	<b>School Where Offered</b>
Automotive Technology	Advanced Technology Center
Advanced Automotive Technology	Advanced Technology Center
Collision Repair & Refinishing	Advanced Technology Center
Advanced Collision Repair & Refinishing	Advanced Technology Center
Architectural Design	Advanced Technology Center
Engineering Design & Presentation	Advanced Technology Center
Construction Technology	Advanced Technology Center
Advanced Construction Technology	Advanced Technology Center
Animation	Advanced Technology Center
Computer Technologies	Advanced Technology Center
Telecommunication & Networking	Advanced Technology Center
Digital Graphics and 3-D Design	Advanced Technology Center
Electrical Technology	Advanced Technology Center
Graphics Communication and Design	Advanced Technology Center
Audio/Video Production	LISD TV Advanced Technology Center
Advanced Audio/Video Production	LISD TV Advanced Technology Center
Principles of Manufacturing (MSSC)	Advanced Technology Center
Welding	Advanced Technology Center
Advanced Welding	Advanced Technology Center
Precision Metal Manufacturing	Advanced Technology Center
Advanced Precision Metal Manufacturing	Advanced Technology Center
Video Technology	Advanced Technology Center
Introduction to Geographical Information Systems	Advanced Technology Center
Geographical Information Systems	Advanced Technology Center
Spatial Technology and Remote Sensing	Advanced Technology Center
Instructional Practices in Education & Training	Advanced Technology Center
Practicum in Instructional Practices in Education & Training	Advanced Technology Center
Practicum in Construction Management I & II	Advanced Technology Center
Web Technologies	Advanced Technology Center

#### **XIV. Special Education**

A number of special education programs are offered at the senior high school level. A continuum of services is listed below:

- A. Classes for the Hearing Impaired
- B. Inclusion Support Within General Education Classes
- C. Modified Content Within General Education Classes
- D. Content Instruction Provided in Special Education Classes
- E. Vocational Preparation and Job Training Classes
- F. Basic Life Skills Classes

A four or six year graduation plan for each student should be discussed and developed in the annual Admission, Review, and/or Dismissal meeting that will take place prior to a student's sixteenth birthday.

**Students entering Grade 9 in 2008-09 and thereafter may:**

- 1) Satisfactorily complete minimum credit and curriculum requirements applicable to students in general education, as specified in 19 TAC Chapter 74 (meet recommended or distinguished credit requirements), **AND** pass the exit-level assessment (TAKS or TAKS Accommodated) to graduate under the recommended or distinguished high school programs;
- 2) Satisfactorily complete the minimum credit and curriculum requirements for students in general education **AND** participate in appropriate state assessment as determined by the ARD committee to graduate under the minimum graduation high school program (**ARD committee must determine whether satisfactory performance on the required assessment shall also be required for graduation**);
- 3) Complete minimum credit requirements, complete minimum curriculum requirements to the extent possible as determined by the ARD committee, participate in appropriate state assessment as determined by the ARD committee, complete the requirements of the Individualized Education Program (IEP) **including one of the following:** (a) full-time employment and sufficient self-help skills to maintain employment without direct and ongoing support from the school district; (b) demonstration of specific employability and self-help skills that do not require direct ongoing support from the school district; **OR** (c) access to services that are not within the legal responsibility of public education or to employment or educational options for which the student has been prepared by the academic program. 19 TAC §89.1070(c).
- 4) Complete requirements specified in the IEP, participate in appropriate state assessment as determined by the ARD committee, and no longer meet age eligibility requirements.

Students receiving special education services are no longer permitted to be exempted from the state assessment program and must take the assessment instrument that the ARD committee has determined is appropriate.

Any student dismissed from special education services prior to graduation must perform satisfactorily on the general assessment instrument or TAKS. Only students receiving special education services are eligible to participate in the TAKS-Accommodated, TAKS M, or the TAKS-Alt. assessment instruments.

A student currently receiving special education services who has completed four years of high school, but has not yet completed the requirements of their IEP related to graduation may choose to participate in the graduation ceremony and receive a **Certificate of Completion**.

Students who choose to participate and receive the Certificate of Completion may participate **in only one graduation ceremony**. Upon completion of their IEP, the student will receive a diploma, but will not participate in another graduation ceremony.

**XV. Entrance from Non-Accredited Schools**

Students entering the Lubbock Independent School District after having attended non-accredited schools will be enrolled on probation. Contact your principal for details.

**XVI. Home Schooled Students Returning to Public Schools**

When a student who has been in home schooling is enrolled in the District, the parent shall submit to the Superintendent or designee:

1. Records of student academic achievement and grades.
2. Standardized test scores.
3. A list of courses taught and grade level preparation.

The school administration shall use exams available for credit by examination to determine award of credit for secondary courses taught in the home school. Other examinations or placement tests may be administered as deemed necessary by the school administration for appropriate placement of home-schooled students enrolling in the District. {FD(Local)}

Students will be placed in the appropriate grade according to the student's age. The student will be given adequate time to gain credits for home-schooled classes through credit by exam. Credit-by-exam costs will be the responsibility of Lubbock ISD. Students (at their own cost) may gain credits through summer school or correspondence courses.

## **PARTIAL DAY STUDENTS – LEGALLY REQUIRED TO PARTICIPATE IN ALL STATE ASSESSMENTS**

Partial day students include both private and home-schooled students enrolled in Lubbock ISD for 120 minutes or more per day. The Texas Education Agency states that ALL students (including partial day students) MUST, by law, participate in ALL state assessments. NO waivers are accepted because there is NO choice in whether an enrolled student participates in state assessments.

### **XVII. Alternative Schools**

#### **A. Matthews Community Learning Center/New Directions**

Matthews offers a self-paced curriculum with a choice of morning or afternoon classes with an open entry/open exit policy. Students who complete credits through the program have the option of returning to their home school at semester or continuing at the alternative campus.

The Lubbock Independent School District provides an alternative educational program called New Directions for pregnant students and young mothers. A student may choose to enroll in New Directions at the beginning of any semester or she and the principal may mutually agree upon a desirable time to transfer to New Directions. Normally, a transfer into New Directions should occur at the beginning of a new semester. This statement does not preclude the student's remaining in the regular school program throughout her pregnancy.

A joint effort by Early Learning Centers of Lubbock and the Lubbock Independent School District provides a day care center for young mothers who need childcare for their children ages 0-4 years. Students have the option of attending New Directions or other LISD schools. The Early Learning Center located on the New Directions campus provides childcare on a sliding scale fee for all LISD students. New Directions is part of the program at Matthews Community Learning Center.

#### **B. Project Intercept**

Project Intercept is a joint effort by the Juvenile Probation Department and the Lubbock Independent School District to provide an alternative to student suspension. Entry into this program is based on the action of the Project Intercept Committee (PIC). Through this program an opportunity is provided for students to continue their education in a strict environment. This alternative is used after other methods of dealing with student behavior problems have been unsuccessful.

Students placed at the Lubbock County Youth Center (LCYC) by the Juvenile Probation Department receive educational instruction from the staff of Project Intercept. Project Intercept is located in the Struggs building.

#### **C. Juvenile Justice Alternative Education Placement (JJAEP)**

The Juvenile Justice Alternative Education Placement (JJAEP) program is a joint effort of eight Lubbock County school districts to provide an education to Lubbock County youth who have been expelled from school. It is the intent of Senate Bill 1 that youth are not removed from school permanently. Students are placed in the facility due to persistent misbehavior or due to infraction of mandatory expulsions as provided by law.

The JJAEP facility is housed on the Lubbock County Youth Center grounds. Students are able to proceed with their education in a highly structured environment. The purpose of the JJAEP is to keep students on track for advancement to the next grade.

## **XVIII. Correspondence, Credit by Examination for Prior Instruction, Credit by Examination for Acceleration**

In addition to the regular fall and spring semesters, students may earn credit in any of the following programs for which they qualify:

- \*A. Online courses through LISD**
- \*B. Correspondence Courses: A maximum of three (3) credits may be earned from state-approved universities.**
- \*C. Credit by Examination for Prior Instruction: For courses taken, but failed.**
- \*D. Credit by Examination for Acceleration: Available at no cost to students who wish to accelerate and earn credits without formal instruction. Student must score at least 90% to earn credit.**

\*None of these courses may receive extra grade points. Tech Prep credit will not be granted for any of these courses.

## **XIX. Distance Learning/Online Course Selection**

Blackboard e-education software will be used for these courses. Blackboard is an e-learning and communication tool accessible through the Internet. Students and parents can access information relevant to courses through a browser and Website address. In an effort to maintain security while dispensing information, students will be assigned a password protected login to Lubbock ISD's Blackboard Website. E-mail will need to be checked on a daily basis regarding the student's online course. All necessary information will be communicated in this manner.

### **Timeframe of Online Courses**

Online courses will start approximately 3 weeks after the regular classroom semester and end approximately 3 weeks before regular final exam week. This should help students in both their online courses as well as their regular classroom courses.

### **Registration**

Registration for online courses is required, and a student's counselor must be aware of the online course that will be taken prior to the student enrolling in the course. This will ensure that students take the appropriate online course for graduation purposes. Registration for online courses will be done each semester "online." The link for the registration page can be accessed on Lubbock ISD's website (<http://www.LubbockISD.org>.- Select "Departments" and then "LISD Online School" or "Parents" and then "Online Courses"). Information concerning TxVSN courses can also be found from the website <http://www.txvsn.org/>.

### **Cost of Courses**

- \$150 per semester course (LISD students)
- \$250 per semester course (non-LISD out-of-district students)
- No refund will be offered for online courses
- Online course fees may be paid online with a credit card at time of registration, or by mailing in a check to the Online School office after the registration has been completed.

### **Technical Requirements**

- Pentium II (or higher processor) computer
- 64 MB or RAM (minimum)
- Mouse
- Internet connection
- Web browser (Internet Explorer 4.5 or higher)
- Working email account
- Software: Word, PowerPoint, and Excel 2000 or higher are recommended for all courses. BIM requires Microsoft Office 2000 Professional software or higher (Word, Excel, PowerPoint, and Access). Microsoft Works will not work for the BIM course. Instructors use Microsoft Word, so Word Perfect of any version will not work as well.

### **Courses Offered**

- Health
- BIM 1A and 1B
- Government
- Economics
- Communication Applications
- Accounting 1A and 1B
- English IVA and IVB
- Web Technologies 1A and 1B
- World History 1A and 1B
- Physical Education (individual courses)
- Keyboarding
- World Geography 1A and 1B
- Psychology
- Teen Leadership
- Business Communications 1A and 1B
- World Languages (Latin and German)
- **Dual Credit Courses through TxVSN (approximate cost \$350 per semester course)**

## **XX. Advanced Placement Courses and Pre-AP Courses**

### **A. Advanced Placement Courses (AP)**

For over 50 years, the College Board's Advanced Placement Program (AP) has partnered with colleges, universities, and high schools to provide students with the opportunity to take college-level course work and exams while still in high school. Offering a variety of subjects, each culminating in a rigorous exam, AP provides motivated and academically-prepared students with the opportunity to earn college credit or placement and helps them stand out in the college admissions process.

The AP program provides students an opportunity for learning that goes beyond just facts and figures. The rich course material, classroom discussions and demanding assignments typical of AP courses will help the student develop the content mastery and critical thinking skills expected of college students, and feel confident in his/her abilities.

Taught by AP teachers who bring cutting-edge content knowledge and expert teaching skills to the classroom, AP courses help students develop the study skills, habits of mind, and critical thinking skills that they will need in college.

AP is accepted by more than 3,600 colleges and universities worldwide for college credit, advanced placement, or both on the basis of successful AP exam grades. This includes over 90 percent of four-year institutions in the United States. More information about the AP Program is available at AP Central®, the College Board's online home for AP teachers ([apcentral.collegeboard.com](http://apcentral.collegeboard.com)). Students can find more information at the AP student site ([www.collegeboard.com/apstudents](http://www.collegeboard.com/apstudents)).

The College Board and LISD are committed to the principle that all students deserve an opportunity to participate in rigorous and academically challenging course and programs. We believe:

- All students who are prepared and willing to accept the challenge of a rigorous academic curriculum should be considered for admission to AP courses.
- Barriers that restrict access to AP courses should be eliminated for students from ethnic, racial and socioeconomic groups that have been traditionally underrepresented in the AP program.
- Schools should make every effort to ensure that their AP classes reflect the diversity of their student population.

AP courses typically require more work outside of class time on the part of the students than do other courses. **AP courses earn one extra grade point per semester course.** AP courses prepare students to take AP examinations. As a result of scoring at a designated level on an AP exam, students may earn college credit or may test out of a course and advance to the next course, or both. All Lubbock high schools participate in the AP program. AP curricula are offered in the following courses at the following schools.

AP Course	Coronado	Estacado	Lubbock	Monterey
French Language	X	X	X	X
German Language	X		X	
Latin: Vergil	X		X	X
Spanish Language	X	X	X	X
Studio Art- Two Dimensional Design	X	X	X	X
Studio Art- Three Dimensional Design	X	X	X	X
Biology	X	X	X	X
Calculus AB/BC	X	X	X	X
Chemistry	X	X	X	X
Computer Science II	X	X	X	X
Macroeconomics	X	X	X	X
Language & Composition (English III)	X	X	X	X
Literature & Composition (English IV)	X	X	X	X
Environmental Science	X		X	X
European History			X	
Government and Politics: United States	X	X	X	X
Human Geography	X	X	X	X
Physics B	X	X	X	X
Physics C	X	X	X	X
Statistics	X	X	X	X
U.S. History	X	X	X	X
World History	X	X	X	X

## B. Pre-AP Courses

The courses below are preparatory for Advanced Placement courses, but no AP examinations are taken at the end of the courses. **All Pre-AP courses taken for high school credit receive one extra grade point per semester.**

### World Languages:

French 2, 3, 5 Pre-AP  
 Latin 2, 3, 5 Pre-AP  
 German 2, 3 Pre-AP  
 Spanish 2, 3, 5, 6 Pre-AP

### Language Arts:

English I Pre-AP  
 English II Pre-AP

### Mathematics:

Algebra I Pre-AP (8th gr.nly)  
 Algebra II Pre-AP  
 Geometry Pre-AP  
 Independent Study in Mathematics  
 Independent Study in Math. II  
 Precalculus Pre-AP

### Science:

Biology Pre-AP  
 Chemistry Pre-AP  
 Physics Pre-AP

### Social Studies:

History of the Americas/20th Century Topics  
 World Geography Pre-AP  
 World History Pre-AP  
 Psychology  
 Special Topics in Social Studies:  
 Practical Law

### Career & Technology Education (CTE):

Architectural and Engineering Design (Computer Aided Drafting)  
 Computer Technologies

### Telecommunications & Networking

Computer Programming  
 Computer Science  
 Advanced Automotive Technology  
 Advanced Collision Repair and Refinishing  
 Advanced Construction Management  
 Advanced Precision Metal Manufacturing

### Technology:

Digital Graphics

### **C. International Baccalaureate Courses (IB)**

IB courses, designed to emphasize ideals of international understanding and responsible citizenship, are developed by the International Baccalaureate Organization in Geneva, Switzerland. All teachers of IB courses have received extensive training through IB sponsored institutes throughout the world. IB courses require students to be highly motivated, project oriented and inquisitive. **IB courses earn one extra grade point per semester course.** Each IB course prepares students to take corresponding examinations that lead to the IB Diploma. The IB Diploma students often receive college credit, advanced standing and/or preferential admissions to universities around the world. For more information on IB University recognition, visit [www.ibo.org](http://www.ibo.org) (click on diploma program and then click on university recognition). Lubbock High School is the only school that offers the IB Diploma Program with the following courses:

- English III, IV
- Theory of Knowledge
- French IV, V
- German IV, V
- Latin IV, V
- Spanish IV, V
- European History/20th Century World Topics
- History of the Americas/20th Century World Topics
- Math Studies (Includes Pre-Cal)
- Math SL (Includes Pre-Cal and Statistics)
- Math Higher Level (Includes Calculus AB/BC, Discreet Mathematics, Linear Algebra, Probability)
- Biology II (Includes Anatomy and Physiology)
- Chemistry II
- Physics I, II
- Visual Arts III, IV
- Music HL, SL
- Theater Arts
- Computer Science II

### **D. Courses Pre-IB**

The courses below are preparatory for IB courses, but no IB examinations are given at the conclusion of the course. Pre-IB courses are offered at Lubbock High School through the LEAP magnet. **All Pre-IB courses receive one extra grade point per semester course.**

- Algebra II Pre-IB
- Biology Pre-IB
- Chemistry Pre-IB
- Computer Science I Pre-IB
- English II Pre-IB

### **XXI. Gifted and Talented Programs**

Students who are identified as Gifted and Talented (G/T) will be provided opportunities in designated English, social studies, math, and science courses to meet their educational, psychological, and social needs. Students will be provided opportunities to work together with other GT students and independently to produce advanced level products or performances. The curricula will be differentiated through content (depth and complexity), process, and product.

### **XXII. Extra Grade Point Credit for Transfers to LISD**

“Grades for a transfer student will be evaluated on the same basis as for students within our district. Advanced Placement and Pre-AP credit for transfers will be given for the Advanced Placement and Pre-AP courses available to students in our district, provided they are identified as Advanced Placement and Pre-AP on the transcript. Exceptions shall be approved by the superintendent’s designee.” {Policy EIC(Local)}

### XXIII. Academic Decathlon

United States Academic Decathlon provides students of all learning levels the opportunity to excel academically through team competition. The Academic Decathlon® is a team competition wherein students match their intellects with students from other schools.

Students are tested in ten categories: Art, Economics, Essay, Interview, Language and Literature, Mathematics, Music, Science, Social Studies, and Speech.

Winning teams advance through the local, regional, and state levels of competition. The state champions compete at the national finals. Acceptance to class is based on coach/directors approval. Credits may be awarded for: Independent Study in Math, Language Arts, and Social Studies, Art History or Communications Applications with the approval of a high school counselor.

### XXIV. Dual Credit

The Lubbock Independent School District and South Plains College have created a dual credit program for junior and senior students at Coronado, Estacado, Lubbock, and Monterey high schools. Sophomore students may register for Level III – Pre-AP World Languages courses and receive 6 hours of dual credit for a Level I course at South Plains College. Students can receive both high school and college credit for a course or courses which will transfer to accepting colleges and universities following the students' high school graduation. Students register for these courses on the South Plains College website, [www.southplainscollege.edu](http://www.southplainscollege.edu). Students must have a personal identification number to register and will pay tuition costs to South Plains College. Refer to Section VIII-THEA Requirements on page 10. The high school counselor's office will have additional information.

### XXV. South Plains Tech Prep Credit

Tech Prep is a program whereby college credit and high school credit may be jointly earned in selected courses. Tech Prep courses are offered at all four high schools through an articulation agreement with South Plains Tech Prep Consortium. The Tech Prep program is designed to assure that high school students acquire more technically-oriented knowledge and skills. Students must sign a commitment form in the fall while enrolled in the course and make an 80 or better. There is no fee for Tech Prep courses and students may earn up to 16 college hours depending on the courses/programs they select. The Tech Prep credit will be granted after the completion of six (6) hours at South Plains College. Credit will be awarded at South Plains College for successful completion of the guidelines in Tech Prep for the following courses:

Accounting I	Advanced Engineering Design & Presentation
Accounting II	Health Science
Automotive Technology I	Principles of Health Science
Advanced Automotive Technology	Principles of Information Technology
Architectural Design	Instructional Practices in Education & Training
Advanced Architectural Design	Law Enforcement I
Audio Video Production	Law Enforcement II
Business Information Management I	Marketing Dynamics
Business Information Management II	Medical Terminology
Child Development	Principles of Manufacturing (MSSC)
Child Guidance	Precision Metal Manufacturing
Collision Repair & Refinishing	Advanced Precision Metal Manufacturing
Advanced Collision Repair & Refinishing	Telecommunications & Networking
Computer Programming	Web Technologies (ATC)
Computer Technologies	Welding
Digital & Interactive Media	Advanced Welding
Practicum in Education & Training	Practicum in Marketing Dynamics
Electrical Technology	Practicum in Human Services
Engineering Design & Presentation	

## XXVI. Earning College Credit

<b>College Board AP Exams</b>	<b>Dual Credit</b>
This college credit is recognized nationwide at most universities. However, some colleges and private universities will not accept AP credit.	Involves concurrent high school and college enrollment for college credit. Some colleges and private schools will not accept dual credit.
AP exams are offered in the spring of high school years. Test dates are set nationally.	Courses are offered during the junior and senior years of high school.
Usually when a student scores a "3" or higher, college credit is awarded (depending on the college in which the student enrolls). Enrollment in AP classes is very helpful.	Enroll on-line through South Plains College. Students must pass the TAKS test with certain scores or students will be required to take the Accuplacer test.

## XXVII. Course Offerings

**In this section courses are listed by titles, grade levels, credits, levels of courses (regular, Pre-AP, Advanced Placement), descriptions, prerequisites (courses that must be passed before taking another course), state PEIMS numbers, and local course numbers. Advanced Placement and Pre-AP courses receive one extra grade-point. A course is assumed to be regular if no level is listed.**

### ART

The art program offers opportunities for in-depth study in the visual arts to the student seeking a career in art or art-related fields and to those seeking personal enrichment and an appreciation of the arts. The offerings are built on required beginning fundamentals followed by a variety of advanced courses. The maximum number of units of credit which a student may earn in art is one unit in Art I, two units in Art II, three units in Art III, and three units in Art IV.

#### **Art I - Fundamentals, Grades 9-12, 1/2-1 Credit**

This course is an introduction to the elements and principles of design as applied to drawing, painting, graphic arts, and crafts. (3500100) (ARTR11)

#### **Art I – Electronic Media, Grades 10-12, 1/2-1 Credit**

This course introduces students to the elements and principles of design as applied to drawing, graphic arts, and crafts. Students use the computer to create their artwork in a general survey of various categories of commercial art, including advertising, fashion design, illustration, cartooning, industrial design, and image manipulation. Students gain computer skills to aid them in creating their electronic art. (ATC) (3500100) (AEMR11) (AEAR11)

#### **Art II – Advanced Studies in Electronic Media, Grades 10-12, 1/2 - 1 Credit**

This course provides in-depth study and hands-on creation of computer art. Students use the skills they gained in Electronic Media to solve problems in the elements and principles of art. Prerequisite: Electronic Media (ATC) (3503300) (AEMR21)

#### **Art II - Ceramics, Grades 10-12, 1/2-1 Credit**

This course provides a study of basic through advanced techniques of designing, decorating, glazing, and firing clay objects; and is a survey of related art history. Three processes are studied: hand modeling, sculpting, and using a potter's wheel. (03500900) (ACER21)

#### **Art II - Drawing, Grades 10-12, 1/2-1 Credit**

This is a study of the elements and principles of design as they relate to completed compositions. Emphasis is on acquiring and furthering skills in drawing, painting, designing, sculpting, and art appreciation. (3500500) (formerly Art II Fundamentals) (ARTR21)

**Art II - Drawing (Medical Illustrations), Grades 10-12, 1/2-1 Credit**

This is a studio course in which students will concentrate on developing drawing skills, mainly in the area of the human form, from a study of the anatomy, the skeleton, muscles, and individual features. Study and critiques of the figures in paintings will be followed by live, posed models. This is a recommended elective for pre-medical students. Prerequisite: Recommend concurrent enrollment with Biology I. (Estacado) (3500500) (ALDR21)

**Art III – Architectural Delineation, Grades 10-12, 1 Credit**

Freehand drawing in a variety of media is a necessary skill for architects and engineers. Spontaneously developing sketches which express both the client's and architect's or engineer's concepts is an invaluable step in the development of ideas. An understanding of drawing through eye-mind-hand creation develops insight and skill which will later allow the student to use computer drawing in meaningful ways. (Estacado) (3501500) (APMR31)

**Art III - Art Photography, Grades 9-12, 1 Credit**

To introduce students to photography as an art form, students will develop basic skills and techniques in camera operation, film processing, darkroom procedures, composition, photo editing, mounting, presentation, graphic design, and critique. (03502200) (APHR31)

**Art III - Ceramics, Grades 11-12, 1/2-1 Credit**

This course provides a study of basic through advanced techniques of designing, decorating, glazing, and firing clay objects, as well as a survey of related art history. Three processes are studied: hand modeling, sculpting, and using a potter's wheel. Prerequisite: Art I or Art II. (3501800) (ACER31)

**Art III - Commercial Art (Fashion Illustration), Grades 10-12, 1/2-1 Credit**

This is a specialized class introducing uses of various media for fashion illustration, styles in illustrating, and reproduction techniques. This course includes a study of historic costume, textiles, designers, and career possibilities with visits to a museum, textile engineering and research center, advertising departments of local stores, and advertising agencies. Prerequisite: Art I or Art II. (Lubbock High) (3501300) (AFIR31)

**Art III - Drawing (Life Drawing), Grades 10-12, 1/2-1 Credit**

This is a studio course in which students will concentrate on developing drawing skills, mainly in the area of the human form, from a study of the anatomy, the skeleton, muscles, and individual features. Study and critiques of the figures in paintings will be followed by use of live, posed models. Prerequisite: Art I or Art II. (Lubbock High) (3501300) (ALDR31)

**Art III - Drawing (Medical Illustrations), Grades 11-12, 1/2-1 Credit**

In this advanced studio course students will concentrate on developing drawing skills, mainly in the area of the human form, from a study of the anatomy, the skeleton, muscles, and individual features. Study and critiques of the figure in paintings will be followed by live, posed models. This is a recommended elective for pre-medical students. Prerequisite: Art II and Biology I are recommended. (Estacado) (3501300) (ALDR31)

**Art III - Fibers and Jewelry, Grades 11-12, 1/2-1 Credit**

This course focuses on the application of color and design concepts with emphasis on three dimensional projects such as fiber weaving, basketry, wood sculpture, jewelry, copper enameling and leather work. Prerequisite: Art I or Art II. A student may enter at semester with teacher approval. (3501600) (AJFR31)

**Art III - Painting, Grades 11-12, 1/2-1 Credit**

This course is a study of drawing and painting through various media, with emphasis on transparent watercolor, acrylics, oil, and mixed media and includes study and appreciation of art trends through the centuries. Students learn to display their work for exhibit. Prerequisite: Art II or instructor approval. (3501400) (APAR31)

**Art III- Print Making, Grades 10-12, 1 Credit**

Freehand drawing in a variety of media is a necessary skill for engineers. Spontaneously developing sketches which express both client's and engineer's concepts is an invaluable step in the development of ideas. An understanding of drawing through eye-mind-hand creation develops insight and skill which will later allow the student to use computer drawing in meaningful ways. Prerequisite: Art I or Art II and instructor approval required. (3501500) (APMR31)

**Art III - Sculpture, Grades 10-11, 1/2-1 Credit**

This is a studio art course in which students work independently to develop their skills in sculpting in one or more of the following methods: round, relief, modeled, carved, cast, or assembled. The student pays for materials used in casting and carving. Prerequisite: Art I or Art II. (Lubbock High) (3501900) (ASCR31)

**Art III – History**

This is a weighted credit and fulfills State fine arts credit. (A3500100) (AFAH31) Academic Decathlon

**Visual Arts III, Grades 11-12, 1 Credit [International Baccalaureate SL]**

The IB Design II Course is organized into a two-year sequence and encompasses a curriculum of academic investigation in the visual arts, and 2-D and 3-D intermediate and advance studio art courses. In this program the student will be exposed to a variety of methods, materials, and themes for continuing their work in the visual arts. Art criticism, art history, and aesthetic theories in art are explored as a vehicle for understanding art and individual expression. The studio emphasis of the course is on creating personal imagery with an area of concentration in subject matter, technique, and media (depth and breadth). The academic emphasis of the IB Art Design course includes, but is not limited to, written assignments, art critiques, individual and group research, exploring and developing thematic direction, and projects relating to global, historical, and cultural developments and understanding. The academic component will result in a research workbook. Study artwork and the research workbook will be presented to IB for assessment. Outside and extracurricular assignments will be required. Students may take the standard level IB examination for Art Design, but it is strongly recommended that students take level IV before taking the standard level exam. Prerequisite: IB Student, Art II or Instructor approval (Lubbock High) (I3600200) (IART41)

**Digital Graphics and 3D Design, Grades 10-11, 1 Credit**

This artistic technology course integrates computer graphics technology and the creative process of developing both electronic and printed visual images. With an emphasis on today's and future applications of digital media, many types of computer images in both 2D and 3D will be created through modeling and rendering processes including elements and principles of design towards digital composition. Graphics software with technology equipment of scanners, electronic stylus/tablets, the Internet, and color/laser printers will be used. Professional portfolios will be developed on CDs. (ATC) (35805000 (EDGR21)

**Visual Arts IV, Grade 12, 1 Credit, [International Baccalaureate SL or HL]**

This course is the continuation and the culmination of the IB Visual Arts two-year sequence program and encompasses a rigorous curriculum of academic investigation in the visual arts and advanced level 2-D and 3-D studio art courses. The emphasis of the course is placed on developing a sensitive visual thinking process that will result in artwork that demonstrates technical ability, personal and thematic expression, and understanding of self and others. The culmination of the course consists of two major parts, both of which are compulsory: Part A, Studio Work and Part B, Research Workbook. Each candidate will prepare an exhibition of (and if necessary a demonstration of) approximately 20+ artworks undertaken during the course of their studies. The candidate's art exhibition and workbook will be viewed by and discussed with the assessing examiner appointed by the IB organization. After completion of this course, students may take the standard level or higher level examination in IB Visual Arts. Prerequisite: Visual Arts III IB (Lubbock High) (I3600300) (IART51)

**Two-Dimensional Design Portfolio, Grades 9-12, 1 Credit [Advanced Placement]**

This portfolio is intended to address a very broad interpretation of two-dimensional design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. The elements of design (line, shape, illusion of space, illusion of motion, pattern and texture, and value and color) are like a palette of possibilities that artists use to express themselves. The principles of design help guide artists in making decisions about how to organize the elements on a picture plane in order to communicate content. These principles include unity/variety, balance/emphasis/rhythm, and proportion/scale. Prerequisite: Art I or Art II and instructor approval (A3500400) (ARTH 61)

### **Three-Dimensional Design Portfolio, Grades 9-12, 1 Credit [Advanced Placement]**

This portfolio is intended to address a broad interpretation of sculptural issues in depth and space. These may include mass, volume, form, plane, light, and texture. Such elements and concepts can be articulated through additive, subtractive, and/or fabrication processes. A variety of approaches to representation, abstraction, and expression may be part of the student's portfolio. These might include: traditional sculpture, architectural models, apparel, ceramics, fiber arts, or metalwork. Prerequisite: Art I or Art II and instructor approval (A3500500) (ARTH71)

## **ATHLETICS**

### **Competitive Athletics, Grades 9-12, 1/2- 4 Credits**

Students may participate in football, basketball, tennis, track and field, cross country, golf, baseball, swimming, diving, volleyball, soccer, and girls' softball. Competitive athletics may be substituted for physical education. Competitive gymnastics is available at Lubbock High School only. (3820501) (3820502) (3820503) (3820504)

## **ADVANCEMENT VIA INDIVIDUAL DETERMINATION**

### **AVID I, Grades 9, 1 Credit**

This course develops skills needed to succeed in college-preparatory classes. It consists of individual and small group instruction, note-taking and questioning methods, writing as a tool for learning, formal and informal public speaking, reading comprehension, test-taking and vocabulary analysis and usage. In addition, motivational and goal-setting activities help to focus students in their preparation for college. Students can take this class and receive one credit each year for two years. Prior approval is required. (N1290001) (AVID11)

## **CAREER AND TECHNICAL EDUCATION**

The Lubbock Independent School District provides a wide variety of career and technology courses designed to help students explore career pathways, gain skills and experience that will be used in specific career fields, and gain knowledge and skills that will be useful in most career fields in the 21st century.

Pre-employment laboratory courses provide training for specific occupations by using laboratories in schools or at the Byron Martin Advanced Technology Center (ATC). Some of the courses also use the facilities of hospitals, hotels, childcare centers, and other businesses in the Lubbock area to provide training.

Each of the Career Clusters offers practicum courses specific to the area. In addition, a Career Preparation program is available. Both programs provide classroom instruction and/or on-the-job training. Students in these programs must meet the following criteria: work at least 15 hours per week at one of many cooperating businesses in Lubbock, be 16 years of age at the beginning of the school year, and earn 3 credits while completing graduation and college requirements in the 11<sup>th</sup> and 12<sup>th</sup> grades.

Students interested in these programs must apply with their counselor to see if they qualify based on attendance, availability, and career interest.

### Career and Technical Education Courses

All Lubbock high schools offer Career and Technical Education (CTE) courses. The following chart indicates where the courses are currently taught.

Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>AGRICULTURE, FOOD &amp; NATURAL RESOURCES</b>					
Principles of Agriculture, Food & Natural Resources	X				X
Livestock Production	X				X
Small Animal Management	X				X
Equine Science	X				X
Veterinary Medical Applications	X				X
Advanced Animal Science	X				X
Professional Standards in Agribusiness	X				X
Agribusiness Management & Marketing	X				X
Energy & Natural Resources	X				X
Food Technology & Safety	X				X
Food Processing	X				X
Wildlife, Fisheries & Ecology Management	X				X
Range Ecology & Management	X				X
Landscape Design & Turf Management	X				X
Horticulture Science	X		X		X
Advanced Plant & Soil Science	X				X
Agricultural Mechanics & Metal Technologies	X				X
Agricultural Facilities Design & Fabrication	X				X
Agricultural Power Systems	X				X
<b>Course Name</b>					
	<b>Coronado</b>	<b>Estacado</b>	<b>Lubbock</b>	<b>Matthews</b>	<b>Monterey</b>
<b>ARCHITECTURE &amp; CONSTRUCTION</b>					
Interior Design	X		X	X	
Advanced Interior Design			X	X	
Practicum in Interior Design	X	X	X		X
Practicum in Interior Design II	X	X	X		X
Architectural Design (ATC)	X	X	X		X
Advanced Architectural Design (ATC)	X	X	X		X
Construction Technology (ATC)	X	X	X		X
Advanced Construction Technology (ATC)	X	X	X		X
Electrical Technology (ATC)	X	X	X		X
Practicum in Architectural Design (ATC)	X	X	X		X
Practicum in Architectural Design (ATC)	X	X	X		X
Practicum in Construction Management (ATC)	X	X	X		X
Practicum in Construction Management II (ATC)	X	X	X		X
<b>Course Name</b>					
	<b>Coronado</b>	<b>Estacado</b>	<b>Lubbock</b>	<b>Matthews</b>	<b>Monterey</b>
<b>ART, A/V TECHNOLOGY &amp; COMMUNICATION</b>					
Animation (ATC) ( <i>Multimedia</i> )	X	X	X		X
Advanced Animation (ATC)					
Audio/Video Production (ATC/LISD-TV)	X	X	X		X
Advanced Audio/Video Production (ATC/LISD-TV)	X	X	X		X
Fashion Design	X	X	X		X
Advanced Fashion Design				X	X
Professional Communications				X	
Practicum in Fashion Design				X	
Practicum in Fashion Design II (ATC/LISD-TV)					
Practicum in Audio/Video Production II (ATC/LISD-TV)	X	X	X		X

Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>EDUCATION &amp; TRAINING</b>					
Instructional Practices in Education & Training (ATC)			X		
Practicum in Education & Training I (ATC)			X		
Practicum in Education & Training II (ATC)			X		
Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>BUSINESS MANAGEMENT &amp; ADMINISTRATION</b>					
Principles of Business, Marketing & Finance	X		X	X	
Touch Data Entry	X		X	X	
Business Information Management	X	X	X	X	X
Business Information Management II	X	X	X	X	X
Business Law		X			
Business English				X	
Practicum in Business Management	X		X		
Practicum in Business Management II	X		X		
Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>FINANCE</b>					
Principles of Business, Marketing & Finance	X		X	X	
Accounting I	X		X		X
Accounting II	X		X		X
Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>HEALTH SCIENCE</b>					
Principles of Health Science		X			
Medical Terminology		X			
Health Science		X			
Anatomy & Physiology		X			
Medical Microbiology		X			
Pathophysiology		X			
Practicum in Health Science		X			
Practicum in Health Science II		X			
Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>HOSPITALITY &amp; TOURISM</b>					
Hotel Management	X				
Restaurant Management	X				
Culinary Arts	X				
Food Science	X				
Practicum in Culinary Arts	X				
Practicum in Culinary Arts II	X				
Practicum in Hospitality	X				
Practicum in Hospitality II	X				

Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>HUMAN SERVICES</b>					
Principles of Human Services	X	X	X	X	X
Dollars & Sense	X		X		
Interpersonal Studies	X		X		X
Counseling & Mental Health			X		
Lifetime Nutrition & Wellness	X	X	X	X	X
Child Development	X	X	X	X	X
Child Guidance			X		
Family & Community Services			X	X	X
Cosmetology			X		X
Cosmetology II			X		X
Practicum in Human Services			X		X
Practicum in Human Services II			X		X
Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>INFORMATION TECHNOLOGY</b>					
Principles of Information Technology	X	X	X		X
Computer Technician (ATC)	X	X	X		X
Telecommunications & Networking (ATC)	X	X	X		X
Computer Programming	X		X		X
Advanced Computer Programming			X		X
Digital & Interactive Media	X	X	X		X
Web Technologies (ATC)	X	X	X		X
Research in Information Technology Solutions			X		X
Research in Information Technology Solutions II			X		X
Intro to Geographical Information Systems (ATC)	X	X	X		X
Geographical Information Systems (ATC)	X	X	X		X
Spatial Technology & Remote Sensing (ATC)	X	X	X		X
Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>LAW, PUBLIC SAFETY, CORRECTIONS &amp; SECURITY</b>					
Prin. Of Law, Public Safety, Corrections & Security		X			
Law Enforcement I		X			
Law Enforcement II		X			
Forensic Science		X			
Court Systems & Practices		X			
Practicum in Law		X			
Practicum in Law II		X			
Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>MANUFACTURING</b>					
Principles of Manufacturing (MSSC) (ATC)	X	X	X		X
Welding (ATC)	X	X	X		X
Advanced Welding (ATC)	X	X	X		X
Precision Metal Manufacturing (ATC)	X	X	X		X
Advanced Precision Metal Manufacturing (ATC)	X	X	X		X
Practicum in Manufacturing (ATC)	X	X	X		X
Practicum in Manufacturing II (ATC)	X	X	X		X

Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>MARKETING</b>					
Principles of Business, Marketing & Finance	X		X		
Advertising & Sales Promotion	X	X			X
Fashion Marketing			X		
Entrepreneurship			X		
Retailing & E-tailing			X		
Sports & Entertainment Marketing	X	X	X		X
Marketing Dynamics	X	X	X		X
Practicum in Marketing Dynamics	X	X	X		
Practicum in Marketing Dynamics II	X	X	X		
Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>SCIENCE, TECHNOLOGY, ENGINEERING &amp; MATH</b>					
Engineering Design & Presentation (ATC)	X	X	X		X
Advanced Engineering Design & Presentation (ATC)	X	X	X		X
Practicum in Science, Technology, Engineering & Math (ATC)	X	X	X		X
Practicum in Science, Technology, Engineering & Math II (ATC)	X	X	X		X
Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>TRANSPORTATION, DISTRIBUTION &amp; LOGISTICS</b>					
Automotive Technology (ATC)	X	X	X		X
Advanced Automotive Technology (ATC)	X	X	X		X
Collision Repair & Refinishing (ATC)	X	X	X		X
Advanced Collision Repair & Refinishing (ATC)	X	X	X		X
Practicum in Transportation, Distribution & Logistics	X	X	X		X
Practicum in Transportation, Distribution & Logistics II	X	X	X		X
Course Name	Coronado	Estacado	Lubbock	Matthews	Monterey
<b>CAREER DEVELOPMENT</b>					
Career Preparation I	X	X	X	X	X
Career Preparation II	X	X	X	X	X

## **AGRICULTURE, FOOD & NATURAL RESOURCES**

### **Principles of Agriculture, Food and Natural Resources, Grades 9-12, 1/2-1 Credit**

This course prepares students for careers in agriculture, food and natural resources. Students will attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply and transfer their knowledge and skills in a variety of settings. (13000200)

### **Livestock Production, Grades 9-12, 1/2-1 Credit**

This course prepares students for careers in the field of animal science. Students will attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry. (13000300)

**Small Animal Management, Grades 9-12, 1/2-1 Credit**

This course prepares students for careers in the field of animal science. Students will enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs and cats. (13000400)

**Equine Science, Grades 9-12, 1/2-1 Credit**

This course prepares students for careers in the field of animal science. Students will enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys, and mules. (13000500)

**Veterinary Medical Applications, Grades 10-12, 1 Credit**

This course prepares students for careers in the field of animal science. Students will attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species. (13000600)

**Advanced Animal Science, Grades 9-12, 1 Credit**

This course prepares students for careers in the field of animal science. Students will attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. (13000700)

**Professional Standards in Agribusiness, Grade 9-12, 1/2 -1 Credit**

This course prepares students for careers in agribusiness systems. Students will attain academic skills and knowledge, acquire technical knowledge and skills related to leadership development and the workplace, and develop knowledge and skills regarding agricultural career opportunities, entry requirements and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness. (13000800)

**Agribusiness Management and Marketing, Grades 10-12, 1/2-1 Credit**

This course prepares students for careers in agribusiness systems. Students will attain academic skills and knowledge, acquire technical knowledge and skills related to agribusiness marketing and management and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course is designed to provide a foundation to agribusiness management and the free enterprise system. Instruction includes the use of economic principles such as supply and demand, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness. (13000900)

**Energy and Natural Resources Technology, Grades 10-12, 1/2 -1 Credit**

This course prepares students for careers in the field of energy and natural resource systems. Students will attain academic skills and knowledge, acquire technical knowledge and skills related to energy and natural resources and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need to have opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. This course is designed to explore the interdependency of the public and natural resource systems related to energy production. In addition, renewable, sustainable, and environmentally friendly practices will be explored. (13001100)

**Food Technology and Safety, Grades 10-12, 1/2-1 Credit**

This course prepares students for careers in value-added and food processing systems. Students will attain academic skills and knowledge, acquire technical knowledge and skills related to value-added and food processing and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. This course examines the food technology industry as it relates to food production, handling, and safety. (13001300)

**Food Processing, Grades 10-12, 1/2-1 Credit**

This course prepares students for careers in food products and processing systems. Students will attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course focuses on the food processing industry with special emphasis on the handling, processing, and marketing of food products. (13001400)

**Wildlife, Fisheries and Ecology Management, Grades 9-12, 1/2-1 Credit**

This course prepares students for careers in natural resource systems. Students need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices. (13001500)

**Range Ecology and Management, Grades 10-12, 1/2-1 Credit**

This course prepares students for careers in environmental and natural resource systems. Students will attain academic skills and knowledge, acquire technical knowledge and skills related to environmental and natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course is designed to develop students' understanding of rangeland ecosystems and sustainable forage production. (13001600)

**Landscape Design and Turf Grass Management, Grades 10-12, 1/2-1 Credit**

This course prepares students for careers in horticultural systems. Students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply and transfer their knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of landscape and turf grass management techniques and practices. (13001900)

**Horticultural Science, Grades 10-12, 1/2-1 Credit**

This course prepares students for careers in horticultural systems. Students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply and transfer knowledge and skills in a variety of settings. This course is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. (13002000)

**Advanced Plant and Soil Science, Grade 12, 1 Credit**

This course provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. (13002100)

**Agricultural Mechanics and Metal Technologies, Grades 9-12, 1/2-1 Credit**

This course prepares students for careers in agricultural power, structural, and technical systems. Students will attain academic skills and knowledge, acquire technical knowledge and skills related to power, structural and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply and transfer their knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques. (13002200)

**Agricultural Facilities Design and Fabrication, Grades 11-12, 1-2 Credits**

This course prepares students for careers in mechanized agriculture and technical systems. Students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings. (13002300)

**Agricultural Power Systems, Grades 10-12, 1/2-1 Credit**

This course prepares students for careers in agricultural power, structural, and technical systems. Students will attain academic skills and knowledge, acquire technical knowledge and skills related to power, structural and technical agricultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students should have opportunities to learn, reinforce, apply and transfer their knowledge and technical skills in a variety of settings. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. (13002400)

**ARCHITECTURE & CONSTRUCTION****Interior Design, Grades 10-12, 1/2 - 1 Credit**

This course is a technical course that addresses psychological, physiological and sociological needs of individuals by enhancing the environments in which they live and work. Individuals use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, and compete in industry. (13004300)

**Advanced Interior Design, Grades 11-12, 1-2 Credits**

This course is a technical laboratory course that includes the knowledge of the employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior spatial design. (13004400)

**Practicum in Interior Design, Grades 11-12, 2-3 Credits**

This is an occupationally-specific course designed to provide classroom technical instruction. Job-specific skills training is provided through the use of laboratory training or training plans by local training sponsors in areas compatible with identified career goals in interior design. (13004500)

**Practicum in Interior Design II, Grade 12, 2-3 Credits**

This is the second year of the practicum course for Interior Design. (13004510)

**Architectural Design, Grades 10-12, 1-2 Credits (Tech Prep)**

In this course students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural design includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes. (13004600)

**Advanced Architectural Design, Grades 11-12, 2-3 Credits (Tech Prep)**

In this course students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Advanced Architectural Design includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes. (13004700)

**Practicum in Architectural Design, Grades 11-12, 2-3 Credits**

This course is a practicum in an occupationally specific setting designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study. (13004800)

**Practicum in Architectural Design II, Grade 12, 2-3 Credits**

This course is the second year of practicum in Architectural Design. (13004810)

**Construction Technology, Grades 10-12, 2-3 Credits**

In this course students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. (13005100)

**Advanced Construction Technology, Grades 11-12, 2-3 Credits [Pre-AP]**

In this course students gain advanced knowledge and skills specific to those needed to enter the work force as carpenters, building maintenance technicians, or supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology and are introduced to exterior and interior finish out skills. (13005200)

**Electrical Technology, Grades 10-12, 1-2 Credits (Tech Prep)**

In this course students gain knowledge and skills specific to those needed to enter the work force as an electrician or building maintenance supervisor or prepare for a postsecondary degree in construction. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications. (13005600)

**Practicum in Construction Management, Grades 11-12, 2-3 Credits**

This course is a practicum in an occupationally specific setting 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. (13006200)

**Practicum in Construction Management II, Grades 11-12, 2-3 Credits**

This course is the second year of the practicum in Construction Management. (13006210)

**ART, AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS****Animation, Grades 10-12, 1-2 Credits (Tech Prep)**

This course focuses on developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster. Students will be expected to develop an understanding of the history and techniques of the animation industry. Careers in animation span all aspects of motion graphics. (ATC) (13008300)

**Advanced Animation, Grades 11-12, 1-2 Credits**

In this course students develop advanced knowledge and skills needed for success in the Arts, Audio/Video Technology & Communications career cluster. Students will create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry. Careers in animation span all aspects of motion graphics. (ATC) (1308400)

**Audio/Video Production, Grades 10-12, 1-2 Credits (Tech Prep)**

In this course students will develop an understanding of the Audio/Video Industry with a focus on pre-production, production and post-production audio and video activities in an authentic setting at LISD-TV and taught by LISD-TV staff. Students will also learn knowledge and skills needed for success in the Arts, Audio/Video Technology & Communications career cluster. Careers in audio and video technology and film production span all aspects of the audio/video communications industry. (ATC/LISD-TV) (13008500)

**Advanced Audio/Video Production, Grades 11-12, 2-3 Credits**

In this course students will develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. Classes will be taught at LISD-TV by LISD-TV staff. This course may be implemented in an advanced audio format or an advanced format including both audio and video. (ATC/LISD-TV) (13008600)

**Practicum in Audio/Video Production, Grades 11-12, 2-3 Credits**

In this course students will increase understanding of the Audio/Video industry with a focus on applying pre-production, production and post-production audio and video activities in studio environment at LISD-TV and mentored by LISD-TV staff. Instruction may be delivered through lab-based or career preparation opportunities. (ATC/LISD-TV) (13008700)

**Practicum in Audio/Video Production II, Grades 11-12, 2-3 Credits**

This course is the second year of Practicum in Audio/Video Production. Students will expand their experience and understanding of the industry. (ATC/LISD-TV) (1308710)

**Fashion Design, Grades 10-12, 1-2 Credits**

This course focuses on careers in fashion aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of fashion and the textile and apparel industries. (13009300)

**Advanced Fashion Design, Grades 10-12, 2-3 Credits**

This course is the second year of Fashion Design. Students gain experience and advanced understanding of fashion, with emphasis on design and production. (13009400)

**Practicum in Fashion Design, Grades 11-12, 2-3 Credits**

In this course students will be expected to develop an advanced technical understanding of the business aspects of fashion, with emphasis on promotion and retailing. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. (13009500)

**Practicum in Fashion Design II, Grade 12, 2-3 Credits**

This is the second year of the practicum in Fashion Design. (13009510)

**Professional Communications, Grades 9-12, 1/2-1 Credit**

This course blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. (13009900)

## **BUSINESS MANAGEMENT & ADMINISTRATION**

### **Principles of Business, Marketing and Finance, Grades 9-12, 1/2-1 Credit**

In this course students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance. (13011200)

### **Touch System Data Entry, Grades 9-12, 1/2-1 Credit**

In this course students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents. (13011300)

### **Business Information Management I, Grades 9-12, 1-2 Credits (Tech Prep)**

In this course students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop spreadsheets, formulate databases, and make electronic presentations using appropriate software. (13011400)

### **Business Information Management II, Grades 11-12, 1-2 Credits (Tech Prep)**

In this advanced course, students continue the process of implementation of personal and interpersonal skills and apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software. (13011500)

### **Business English, Grade 12, 1 Credit**

In this course students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts for business reproduction. (13011600)

### **Business Law, Grades 11-12, 1/2-1 Credit**

In this course students analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency and employment, and real property. Students apply technical skills to address business applications of contemporary legal issues. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. (13011700)

### **Business Management, Grades 10-12, 1-2 Credits**

In this course students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading and controlling. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent managers, employees and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions. (13012100)

**Practicum in Business Management, Grades 11-12, 2-3 Credits**

This practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. (13012200)

**Practicum in Business Management II, Grade 12, 2-3 Credits**

This advanced course is designed to give students additional experience in a practicum setting. (13012210)

**EDUCATION & TRAINING****Instructional Practices in Education & Training, Grades 11-12, 1-2 Credits (Tech Prep)**

This course is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. (Lubbock High/ATC) (13014400)

**Human Growth & Development, Grades 10-12, 1 Credit**

This course is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development. (13014300)

**Practicum in Education & Training, Grades 11-12, 2-3 Credits (Tech Prep)**

This course is a field based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. (Lubbock High/ATC) (13014500)

**Practicum in Education & Training II, Grade 12, 2-3 Credits**

This course provides another year of field based internship in Education & Training. Students gain experience in the application of planning and directing individualized and group instruction and activities, preparation of instructional materials, record keeping and other responsibilities of classroom teachers, trainers, paraprofessionals and other educational personnel. (Lubbock High/ATC) (13014510)

**FINANCE****Principles of Business, Marketing, and Finance, Grades 9-12, 1/2-1 Credit**

In this course students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing and finance. (13011200)

**Accounting I, Grades 10-12, 1 Credit, (Tech Prep)**

In this course students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of planning, recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making. (13016600)

**Accounting II, Grades 11-12, 1 Credit (Tech Prep)**

In this course students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. (13016700)

**HEALTH SCIENCE (MEDICAL MAGNET)****Principles of Health Science, Grades 9-12, 1 Credit (Tech Prep)**

This course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry. (Estacado) (13020200)

**Medical Terminology, Grades 10-12, 1/2 Credit (Tech Prep)**

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. (Estacado) (13020300)

**Professional Communication, Grades 10-12, 1/2 Credit**

This course blends written, oral, and graphic communication in a career based environment. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. (Estacado) (13009900)

**Health Science, Grades 11-12, 1/2 Credit**

This course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skill development. The course may be taught by different methodologies such as clinical rotation and career preparation learning. Certified Nurses Aid licensing is available through this class. (Estacado) (13020400)

**Practicum in Health Science, Grades 11-12, 2-3 Credits**

This 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. Pharmacy Technician licensing is available through this class. (Estacado) (13020500)

**Practicum in Health Science II, Grade 12, 2-3 Credits**

This course is the second year of the Practicum in Health Science. (Estacado) (13020510)

**Anatomy and Physiology, Grades 10-12, 1 Credit (Science)**

In this course students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Prerequisite: Pre-Advanced Placement Biology. (Estacado) (13020600)

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

Students in this course will explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Prerequisite: Pre-Advanced Placement Biology. (Estacado) (13020700)

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

In this course students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Prerequisite: Pre-Advanced Placement Biology. (Estacado) (13020800)

**HOSPITALITY & TOURISM****Hotel Management, Grades 10-12, 1/2-1 Credit**

This course focuses on the knowledge and skills needed to pursue staff and management positions available in the hotel industry. This in-depth study of the lodging industry includes departments within a hotel such as front desk, food and beverage, housekeeping, maintenance, human resources, and accounting. This course will focus on, but not be limited to, professional communication, leadership, management, human resources, technology, and accounting. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. (Coronado) (13022300)

**Restaurant Management, Grades 10-12, 1/2-1 Credit**

This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. (Coronado) (13022400)

**Food Science, Grades 11-12, 1 Credit**

In this course students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. (13023000)

**Culinary Arts, Grades 10-12, 1/2-1 Credit**

This course begins with the fundamentals and principles of the art of cooking and science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification, a Texas culinary specialist certification, or any other appropriate industry certification. This course may be offered as a laboratory-based or internship course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. (Coronado) (13022600)

**Practicum in Culinary Arts, Grades 11-12, 2-3 Credits**

This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education, provides more interdisciplinary instruction, and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. (Coronado) (13022700)

**Practicum in Culinary Arts II, Grades 11-12, 2-3 Credits**

This course provides a second year of practicum in Culinary Arts. (Coronado) (13022710)

**Hospitality Services, Grades 11-12, 1-2 Credits**

This course provides students with the academic and technical preparation to pursue high-demand and high-skill careers in hospitality related industries. The knowledge and skills are acquired within a sequential, standards-based program that integrates hands-on and project-based instruction. Standards included in the Hospitality Services course are designed to prepare the students for nationally recognized industry certifications, postsecondary education, and entry-level careers. In addition, Hospitality Services is designed so that performance standards meet employer expectations, enhancing the employability of students. Instruction may be delivered through laboratory training or through internships, mentoring, or job shadowing. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. (Coronado) (13022800)

**Practicum in Hospitality Services, Grades 11-12, 2-3 Credits**

This course provides a practicum experience with opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Hospitality Services integrates academic and career and technical education, provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. (Coronado) (13022900)

**Practicum in Hospitality Services II, Grade 12, 2-3 Credits**

This is a second year of the practicum for Hospitality Services. (Coronado) (13022910)

**HUMAN SERVICES****Principles of Human Services, Grades 9-12, 1/2-1 Credit**

This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. (13024200)

**Dollars and Sense, Grades 10-12, 1/2-1 Credit**

This course focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations. (13024300)

**Interpersonal Studies, Grades 10-12, 1/2-1 Credit**

This course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services. (13024400)

**Lifetime Nutrition and Wellness, Grades 10-12, 1/2-1 Credit**

This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences. (13024500)

**Counseling and Mental Health, Grades 10-12, 1-2 Credits**

Students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities. (13024600)

**Child Development, Grades 10-12, 1/2-1 Credit (Tech Prep)**

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. (13024700)

**Child Guidance, Grades 10-12, 1-2 Credits (Tech Prep)**

This technical laboratory course addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. (13024800)

**Family and Community Services, Grades 11-12, 1/2-1 Credit**

This laboratory-based course is designed to involve students in realistic and meaningful community-based activities through direct service experiences. Students are provided opportunities to interact and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics. (13024900)

**Practicum in Human Services, Grades 11-12, 2-3 Credits (Tech Prep)**

Practicum in Human Services provides occupationally specific training and focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster as well as the essential knowledge and skills for communication, critical thinking, problem solving, information technology, ethical and legal responsibilities, leadership, teamwork, and entrepreneurship. (1302500)

**Practicum in Human Services II, Grades 11-12, 2-3 Credits**

This course is a second year of Practicum in Human Services. (13025010)

**Cosmetology I, Grades 11-12, 2-3 Credits**

In this course students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Analysis of career opportunities, requirements, expectations, and development of workplace skills are included. (Monterey and Lubbock High) (13025200)

**Cosmetology II, Grade 12, 2-3 Credits**

In this course students review academic knowledge and skills related to cosmetology. This course is designed to provide advanced training for employment in cosmetology careers. Instruction includes advanced training in sterilization and sanitation processes, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students apply, combine, and justify knowledge and skills to a variety of settings and problems. (Monterey and Lubbock High) (13025300)

**INFORMATION TECHNOLOGY****Principles of Information Technology, Grades 9-10, 1/2-1 Credit (Tech Prep)**

In this course students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment through the creation of word-processing documents, spreadsheets and electronic presentations. (13027200)

**Computer Technologies, Grades 10-12, 2-3 Credits [Pre-AP] (Tech Prep)**

In this course students gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society. The critical thinking, information technology experience and product development may be conducted either in a classroom setting with an instructor, with an industry mentor, or both. (ATC) (13027300)

**Telecommunications and Networking, Grades 10-12, 1-2 Credits [Pre-AP] (Tech Prep)**

In this course students develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. (ATC) (13027400)

**Computer Programming, Grades 10-12, 1/2-1 Credit [Pre-AP]**

In this course students acquire knowledge of creating appropriate documentation using JAVA. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of merging technologies. Recommended prerequisite: Principles of Information Technology. Required prerequisite: Successful completion of Algebra I and successful completion or concurrent enrollment in Geometry. (13027600)

**Advanced Computer Programming, Grades 10-12, 1-2 Credits, [AP] [IB Option]**

In this course students expand their knowledge and skills in varied programming techniques and concepts by addressing more complex problems and developing comprehensive programming solutions using JAVA. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of merging technologies. (13027700)

**Digital and Interactive Media, Grades 10-12, 1/2-1 Credit (Tech Prep)**

In this course students will analyze and assess current and emerging technologies while designing and creating multimedia projects that address customer needs and resolve a problem. Students will create projects and learn to use a variety of software. Digital cameras and video cameras will be incorporated into this course. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. (13027800)

**Web Technologies, Grades 10-12, 1/2-1 Credit (Tech Prep)**

In this course students learn to make informed decisions and apply the decisions to the field of information technology through the study of web technologies and design. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. (ATC) (13027900)

**Research in Information Technology Solutions, Grades 11-12, 2-3 Credits [Pre-AP] [IB Option]**

In this course students gain advanced knowledge and skills in the application design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, information technology, experience and product development will be conducted in a classroom with a certification option. Prerequisite: Successful completion of Advanced Computer Programming. (13028000)

**Research in Information Technology Solutions II, Grade 12, 2-3 Credits**

This is a second year of Research in Information Technology Solutions. (13028010)

**Introduction to Geographical Information Systems (GIS), Grades 10-12, 1/2-1 Credit**

This course uses programs (i.e. Google Earth and ArcGIS) to analyze different kinds of information visually. The purpose is to introduce students to basic cartography (map making) and careers using GIS and Remote Sensing technology through academic study and applied instruction. Students will participate in exercises based on real-world data. (ATC) (N1302805)

**Geographic Information Systems, Grades 10-12, 1/2-1 Credit [Pre-AP]**

This course builds on the skills learned in the Introduction to Geographical Information Systems and applies toward certification. Students will follow a course of hands-on instruction to learn skills in digital mapping, 3D mapping, and image analysis. (ATC) (N1302806)

**Spatial Technology and Remote Sensing, Grades 10-12, 1/2-1 Credit [Pre-AP]**

This is a project based class that requires students to produce a Geographic Information System/Remote Sensing project that integrates project planning, geographic problem solving, GIS software applications, data creation and manipulation, and project management. (ATC) (N1302807)

## **LAW AND JUSTICE (MAGNET)**

### **Principles of Law, Public Safety, Corrections, and Security, Grades 9-12, 1 Credit**

This course introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections. (Estacado) (13029200)

### **Law Enforcement I, Grades 10-12, 1 Credit (Tech Prep)**

This course 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. (Estacado) (13029300)

### **Law Enforcement II, Grades 11-12, 1 Credit (Tech Prep)**

This course 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. (Estacado) (13029400)

### **Forensic Science, Grades 11-12, 1 Credit (Science)**

This course uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood splatter analysis. Students will learn the history, legal aspects, and career options for forensic science. Recommended prerequisites: Principles of Law, Public Safety, Corrections, and Security and Law Enforcement I. Prerequisites: Biology and Chemistry. (Estacado) (13029500)

### **Court Systems and Practices, Grades 10-12, 1 Credit**

This course is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation. Recommended prerequisite: Law Enforcement I. (Estacado) (13029600)

### **Practicum in Law, Public Safety, Corrections, and Security, Grades 11-12, 2-3 Credits**

The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experience can occur in a variety of locations appropriate to the nature and level of experience. (Estacado) (13030100)

### **Practicum in Law, Public Safety, Corrections, and Security II, Grade 12, 2-3 Credits**

This course is a second year of the practicum in Law, Public Safety, Corrections, and Security. (13030110)

## **MANUFACTURING**

### **Principles of Manufacturing (MSSC Production Technician), Grades 10-12, 1 Credit (Tech Prep)**

This course leads to a manufacturing certification and is based on two modules (Safety & Quality). This class is web-based and gives students access to the program on their home computers as well as at school. After completion of the modules and a passing grade at the end of each module, a student will be qualified to enter the field of manufacturing with an MSSC certified knowledge skill certificate. (ATC) (13032200)

### **Principles of Manufacturing II (MSSCII Production Technician II) Grades 11-12, 1 Credit (Tech Prep)**

This course leads to a manufacturing certification and is based on two modules (Production & Inventory Control). This class is web-based and gives students access to the program on their home computers as well as at school. After completion of the modules and a passing grade at the end of each module, a student will be qualified to enter the field of manufacturing with an MSSC certified knowledge skill certificate. (ATC) (N1295037)

**Welding, Grades 10-12, 1-2 Credits (Tech Prep)**

This course is designed to provide basic training toward the AWS (American Welding Society) certification. The training will include safety, SMAW (Shielded Metal Arc Welding)-stick welding, GMAW (Gas Metal Arc Welding)-MIG, GTAW (Gas Tungsten Arc Welding)-TIG, OFC (Oxy-acetylene Cutting Torch/Plasma Cutting Torch), mathematics, blueprint reading, and the manufacturing of parts and equipment. Projects will be assigned to help students master the skills needed to obtain and meet the requirements of jobs in industry and manufacturing. (ATC) (13032300)

**Advanced Welding, Grades 11-12, 2-3 Credits [Pre-AP] (Tech Prep)**

This course is a continuation of Welding. The student will receive advanced training in the welding field. Projects and welding practices will be used to help the student advance their skills for the requirements to secure an entry level job, go on to college, or proceed to a technical school to further their studies in the world of welding. (ATC) (1302400)

**Precision Metal Manufacturing, Grades 10-12, 1-2 Credits (Tech Prep)**

This course is designed to provide for entry level training in two fields: Welding, as described above, and Precision Machining. In the Precision Machining portion of the program, the student will learn basic skills for entry level employment using the engine lathe, mill, drill press, saws and grinders for making assigned projects. The student skills will come from precision measuring, blue print reading, drilling, turning, knurling, boring, milling, reaming, grinding tool bits, understanding computer numerically controlled machining, safety procedures and career opportunities as required by industry standards.

(ATC) (13032500)

**Advanced Precision Metal Manufacturing, Grades 11-12, 2-3 Credits [Pre AP] (Tech Prep)**

This course is a second year of Precision Metal Manufacturing and will provide extended training in the field. Projects will be used to help the student advance skills for the requirements to secure an entry level job, go on to college, or proceed to a technical school to further studies in metal trades. (13032600)

**Practicum in Manufacturing, Grades 11-12, 2-3 Credits**

The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. (13033000)

**Practicum in Manufacturing II, Grade 12, 2-3 Credits**

This course is a second year of a Practicum in Manufacturing. (13033010)

**MARKETING****Principles of Business, Marketing and Finance, Grades 10-12, 1 Credit**

This course introduces the basic management concepts and leadership styles while exploring managerial functions, economic and social components of productivity, international business, human relations, changing business environment and nature, and concepts of business integrity. It provides the prospective entrepreneur with a theoretical base as well as practical and proven techniques for planning, organizing, and operating a business. Studies include planning and strategy concepts, financial and organizational considerations, market analysis and customer development, operations management, accounting and financial controls, and other components of business. (13011200)

**Advertising and Sales Promotion, Grades 10-12, 1/2-1 Credit**

This course is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast and digital media. (13034200)

**Fashion Marketing, Grades 10-12, 1/2-1 Credit**

This course is designed to provide students with knowledge of the various business functions in the fashion industry. Students will gain a working knowledge of promotion, textiles, merchandising, selling, visual merchandising and career opportunities. (13034300)

**Entrepreneurship, Grades 10-12, 1/2-1 Credit**

This course is designed to give students the knowledge and skills needed to become an entrepreneur and learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, prepare a business plan, determine the feasibility of an idea using research, and develop a plan to organize and promote the business and its products and services. (13034400)

**Retailing and E-tailing, Grades 10-12, 1/2-1 Credit**

In this course students will have the opportunity to develop skills that involve electronic media techniques necessary for a business to compete in a global economy. Students will coordinate online and off-line marketing and demonstrate critical-thinking skills using decision-making models, case studies, various technologies, and business scenarios. (13034500)

**Sports and Entertainment Marketing, Grades 10-12, 1/2-1 Credit**

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment plans. (13034600)

**Marketing Dynamics, (Marketing I), Grades 11-12, 2-3 Credits (Tech Prep)**

In this course students are required to work a minimum of 10-15 hours weekly in a marketing related job. Focusing on the customer, students gain knowledge and skills that help them to be proficient in one or more of the marketing functions. Students integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. Recommended Prerequisite: Principles of Business, Marketing, Finance. (13034700)

**Practicum in Marketing Dynamics (Marketing II), Grades 11-12, 2-3 Credits (Tech Prep)**

In this course students are required to work a minimum of 10-15 hours weekly in a marketing related job. Students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer-service skills. Prerequisite: Marketing Dynamics (13034800)

**SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS****Engineering Design and Presentation, Grades 10-12, 1-2 Credits [Pre-AP] (Tech Prep)**

In this course students will learn knowledge and skills of the process of design as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas. (ATC) (13036500)

**Advanced Engineering Design and Presentation, Grades 11-12, 2-3 Credits [Pre-AP] (Tech Prep)**

This course will provide students the opportunity to master computer software applications in a variety of engineering and technical fields. This course further develops the process of engineering thought and application of the design process. (ATC) (13036600)

**Practicum in Science, Technology, Engineering and Mathematics, Grade 11-12, 2-3 Credits**

This practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experience can occur in a variety of locations appropriate to the nature and level of experience. (13037400)

**Practicum in Science, Technology, Engineering and Mathematics II, Grade 12, 2-3 Credits**

This course is a second year practicum in Science, Technology, Engineering and Mathematics. (13037410)

## **TRANSPORTATION, DISTRIBUTION AND LOGISTICS**

### **Automotive Technology, Grades 10-12, 1-2 Credits (Tech Prep)**

This course focuses on knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. In Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in an Automotive Service Excellence (ASE) certified facility. (ATC) (13039600)

### **Advanced Automotive Technology, Grades 11-12, 2-3 Credits [Pre-AP] (Tech Prep)**

This course focuses on knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. In Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in an Automotive Service Excellence (ASE) certified facility. Prerequisite: Successful completion of Automotive Technology and/or instructor approval. (ATC) (13039700)

### **Collision Repair and Refinishing, Grades 10-12, 1-2 Credits (Tech Prep)**

This course focuses on knowledge of the processes, technologies, and materials used in the reconstruction and alteration of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing. (ATC) (13039800)

### **Advanced Collision Repair and Refinishing, Grades 11-12, 2-3 Credits [Pre-AP] (Tech Prep)**

This course focuses on advanced knowledge of the processes, technologies, and materials used in the reconstruction and alteration of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing. Prerequisite: Successful completion of Collision Repair and Refinishing and/or instructor approval. (ATC) (13039900)

### **Practicum in Transportation, Distribution and Logistics, Grades 11-12, 2-3 Credits**

The practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. (ATC) (13040400)

### **Practicum in Transportation, Distribution and Logistics II, Grades 11-12, 2-3 Credits**

This course is a second year of Practicum in Transportation, Distribution and Logistics. (ATC) (13040410)

## **CAREER DEVELOPMENT**

### **Career Preparation I, Grades 11-12, 2-3 Credits**

This course provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. (12701300)

### **Career Preparation II, Grade 12, 2-3 Credits**

This course develops essential knowledge and skills through classroom technical instruction and on-the-job training in an approved business and industry training area. Students will develop skills for lifelong learning, employability, leadership, management, work ethics, safety, and job-specific knowledge and skills. (12701400)

### **Problems and Solutions, Grades 11-12, 1/2-1 Credit**

This is a project-based research course for students who have the ability to research a real-world problem. Students will develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, be matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course is designed to provide students an opportunity to earn one advanced measure for the Distinguished Achievement Program. (12701500)

### **Problems and Solutions II, Grade 12, 1/2-1 Credit**

This course is a second course of Problems and Solutions. (12701510)

#### **Public Notification of Non-Discrimination in Career and Technology Education Programs**

The Lubbock Independent School District offers career and technology education programs in agriculture science, business education, family and consumer science, health science technology, justice & law, marketing, technology education and trade and industrial.

It is the policy of the Lubbock Independent School District not to discriminate on the basis of sex, disability, race, color, and national origin in its educational and career and technology education programs, activities, or employment as required by Title IX, Section 504 and Title VI.

The Lubbock Independent School District will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and career and technology education programs.

For information about your rights or grievance procedures, contact the Title IX Coordinator at 1628 19th Street, 766-1138, or the Section 504 Coordinator at 1628 19th Street, 766-1214.

## **WORLD LANGUAGES**

Lubbock ISD offers World Language courses in French, German, Latin and Spanish. These courses must be taken in sequence, and each course must be passed before the student is promoted to the next level. Two credits of the same language meet the World Language requirement for the Recommended High School Program. Three years of the same language are required under the Distinguished Achievement Program and are strongly encouraged for college entrance.

### **French Level I, 1 Credit**

French I is an introductory course to the French world, its language and its people. Students will be taught basic vocabulary, phrases and grammar using the skills of listening, speaking, reading, and writing to meet the TEKS goals of Communication, Cultures, Connections, Comparisons, and Communities at the **novice-low to novice-mid** level of proficiency. (3410100) (FFRR11)

### **French Level II, 1 Credit**

French II continues to develop the basic conversational, reading and writing skills taught in Level I, increasing vocabulary and grammar skills to meet the TEKS goals of Communication, Cultures, Connections, Comparisons, and Communities at the **novice-mid to novice-high** level of proficiency. Prerequisite: French 1 (03410200) (FFRR21)

### **French Level II Pre-AP, 1 Credit (Available to the class of 2012 and beyond only.)**

French II Pre-AP includes the basic content of the French II course. However, student expectations and assessment will be more rigorous, thus encouraging students to begin communicating at an **intermediate-low** proficiency level while beginning basic preparation for the French Language Advanced Placement Exam (or other university placement tests). Prerequisite: French I (03410200) (FFAH21)

### **French Level III, 1 Credit**

French III is an intermediate level course. Students will continue to develop their communications skills by producing original spoken and written language rather than memorized phrases to meet the TEKS goals of Communications, Cultures, Connections, Comparisons, and Communities at the *intermediate* level of proficiency. Students will also be introduced to excerpts from French literature. Prerequisite: French II or French II Pre-AP (03410300) (FFRR31)

### **French Level III Pre-AP, 1 Credit**

French III Pre-AP is an intermediate level course. Students will continue to develop their communication skills by producing original spoken and written language rather than memorized phrases to meet the TEKS goals of Communication, Cultures, Connections, Comparisons, and Communities at the *intermediate* level of proficiency. They will also begin reading excerpts from French literature and continue preparing for the French Language Advanced Placement Exam (or other university placement test). Prerequisite: French II or French II Pre-AP (3410300) (FFAH31)

### **French Level IV AP, 1 Credit**

French IV AP is a comprehensive advanced level course in the French language. Students will continue refining the skills taught and practiced in the intermediate course, focusing on conversation, advanced vocabulary, advanced writing, and advanced reading skills needed for the French Language Advanced Placement Exam (or other university placement tests). Both students and teacher are expected to use the French language the majority of class time, while meeting the TEKS goals of Communication, Cultures, Connections, Comparisons, and Communities at the *intermediate-high* proficiency level. Prerequisite: French III or French III Pre-AP (A3410100) (FFAH41)

### **French Level IV, IB 1 Credit [International Baccalaureate SL]**

At this level, students will perfect their writing skills, become more orally proficient and continue to be exposed to aspects of French culture. Students will be expected to converse in French, and the class will be conducted in French. Students will ameliorate previously acquired skills and will gain confidence in their abilities by the end of the course. Students may take the IB standard level exam after completing this course, but it is strongly recommended that a student take French V IB before taking the exam. Prerequisites: French III Pre-AP and IB student (Lubbock High) (I3410400) (IFRE41)

### **French Level V Pre-AP, 1 Credit**

French V Pre-AP is a continuation of French IV AP providing continuing preparation and practice for the French Language Advanced Placement Exam (or other university placement tests). Prerequisite: French IV AP (3410500) (FFAH51)

### **French Level V, IB, 1 Credit, [International Baccalaureate SL/HL]**

Students will work to demonstrate their ability to compose well-constructed and idiomatic essays and to comment on texts or topics in relation to content and style. Emphasis will continue to be placed on oral fluency and comprehension. This course leads to the IB standard level or higher level examination in French Language B. Prerequisites: French IV IB and IB student (Lubbock High) (I3410500) (IFRE51)

### **German Level I, 1 Credit**

German I is an introductory course to the German world, its language and its people. Students are taught basic vocabulary, common phrases, and grammar utilizing the skills of listening, speaking, reading, and writing to meet the TEKS goals of Communication, Cultures, Connections, Comparisons, and Communities at the *novice-low to novice-mid* level of proficiency. (3420100) (FGRR11)

### **German Level II, 1 Credit**

German II continues to develop the basic conversational, reading, and writing skills taught in Level I, thus increasing vocabulary and grammatical skills to meet the TEKS goals of Communication, Cultures, Connections, Comparison, and Communities at the novice-mid to novice-high level of proficiency. Prerequisite: German I (3420200) (FGRR21)

### **German II Pre-AP, 1 Credit (Available to the class of 2012 and beyond only.)**

German II Pre-AP includes the basic content of the German II course. However, student expectations and assessment will be more rigorous, thus encouraging students to begin communicating at an *intermediate-low* proficiency level while beginning basic preparation for the German Language Advanced Placement Exam (or other university placement tests). Prerequisite: German I (03420200) (FGAH21)

### **German III, 1 Credit**

German III is an intermediate level course. Students will continue to develop their communications skills by producing original spoken and written language rather than memorized phrases to meet the TEKS goals of Communication, Cultures, Connections, Comparisons, and Communities at the *intermediate* level of proficiency. Students will also be introduced to excerpts from German literature. Prerequisite: German II or German II Pre-AP (03420300) (FGRR31)

### **German III Pre-AP, Grades 11-12, 1 Credit**

German III Pre-AP is an intermediate level course. Students will continue to develop their communication skills by producing original spoken and written language rather than memorizing phrases to meet the TEKS goals of Communication, Cultures, Connections, Comparisons, and Communities at the *intermediate* level of proficiency. They will also begin reading excerpts from German literature and continue preparing for the German Language Advanced Placement Exam (or other university placement tests). Prerequisite: German II or German II Pre-AP (03420300) (FGAH31)

### **German Level IV AP, 1 Credit**

German IV AP is a comprehensive advanced level course in the German language. Students will continue refining the skills taught and practiced in the intermediate course, focusing on conversation, advanced vocabulary, advanced writing and advanced reading skills needed for the German Language Advanced Placement Exam (or other university placement tests). Both students and teacher are expected to use the German language the majority of class time, while meeting the TEKS goals of Communication, Cultures, Connections, Comparisons and Communities at the *intermediate-high* proficiency level. Prerequisite: German III Pre-AP (A3420100) (FGAH41) (03420500) (FGAH51) (03420600) (FGAH61)

### **German Level IV IB, 1 Credit, [International Baccalaureate SL]**

The purpose of the course is to advance students' linguistic and cultural competence from an intermediate to an advanced level. Students will acquire the ability to interact meaningfully in German with educated native speakers on a variety of culturally relevant topics. Learning experiences will include, but are not limited to advancing oral fluency, comprehending challenging texts, commenting orally and in writing about these texts, and developing a high-level of listening comprehension. Students may take the IB German Language B SL exam after completing this course, but it is strongly recommended that a student take the next level before taking the exam. Prerequisites: German III Pre-AP and IB student. (Lubbock High) (I3420400) (IGER41)

### **German Level V IB, 1 Credit, [International Baccalaureate SL/HL]**

Students will work to demonstrate their ability to compose well-constructed and idiomatic essays. Emphasis will continue to be placed on oral fluency, essays, and comprehension. This course leads to the IB Standard Level or Higher Level examination in German Language B. Prerequisites: German IV IB and IB student (Lubbock High) (I3420500) (IGER51)

### **Latin Level I, 1 Credit**

Latin I is designed to introduce students to the world of the ancient Romans through reading and writing. Students will be taught basic Latin grammar and vocabulary, which is reinforced by the study of English derivatives (many of which are tested on the PSAT, SAT, and ACT). This course also covers the fundamentals of the mythology, history, and culture of ancient Rome and Greece. (3430100) (FLTR11)

### **Latin Level II, 1 Credit**

Latin II continues the study of the world of the ancient Romans through reading and writing. After a comprehensive review of Latin I, students broaden their knowledge of Latin grammar and vocabulary, which is continually reinforced by the study of English derivatives (many of which are tested on the PSAT, SAT, and ACT). Students also continue their study of more Roman and Greek mythology, history, and culture. Prerequisite: Latin I (3430200) (FLTR21)

### **Latin Level II Pre-AP, 1 Credit (Available to the class of 2012 and beyond only.)**

Latin II Pre-AP continues the study of the world of the ancient Romans through reading and writing but on a much more rigorous and intense schedule than regular Latin II. After a comprehensive review of Latin I, students broaden their knowledge of Latin grammar and vocabulary, which is continually reinforced by the study of English derivatives (many of which are tested on the PSAT, SAT, and ACT). Students are also challenged by the depth and intensity at which Roman and Greek mythology, history, and culture are studied. Prerequisite: Latin I (03430200) (FLAH21)

### **Latin Level III, 1 Credit**

Latin III is an intermediate level course. After a comprehensive review of Latin I and II, students are expected to comprehend the literature being read as well as the grammatical structure and literary significance of each piece. Students also research and produce essays and projects over individual topics in advanced Roman and Greek mythology, history, and culture. Prerequisite: Latin II or Latin II Pre-AP (03430300) (FLTR31)

### **Latin Level III Pre-AP, 1 Credit**

Latin III Pre-AP is an intermediate course intended to begin preparing students for applicable university placement exams. After a comprehensive review of Latin I and II, students are expected to comprehend the literature being read as well as the grammatical structure and literary significance of each piece. Students also research and produce essays and projects over individual topics in advanced Roman and Greek mythology, history, and culture. Prerequisite: Latin II or Latin II Pre-AP (03430300) (FLAH31)

### **Latin Level IV Pre-AP, 1 Credit**

Latin IV Pre-AP is an advanced course intended to prepare students for the applicable university placement exams. Emphasis is placed on the works of Ovid and Catullus. The backgrounds of both authors are explored, along with their particular writing styles and vocabulary usage. Students are expected to comprehend the literature being read as well as grammatical structure and literary significance of each piece. Students also research and produce essays and projects over individual topics in advanced Roman and Greek mythology, history, and culture. Prerequisite: Latin III or Latin III Pre-AP (03430400) (FLAH41)

### **Latin Level IV IB, 1 Credit, [International Baccalaureate SL]**

The aim of this course is to give students the basic linguistic skills they need to read with understanding standard classical authors in the original language. Students are encouraged to read a wider range of translated literature as a complement to the study of texts in the original Latin. Through the reading in the original language and in translation, the students develop some understanding of classical civilization and some awareness of its essential differences from, and similarities to, their own. Students may take the IB standard level exam after completing this course, but it is strongly recommended that a student take the next level before taking the exam. Prerequisites: Latin III Pre-AP and IB student (Lubbock High) (I3430400) (ILAT41)

### **Latin Level V Pre-AP, 1 Credit**

Latin V Pre-AP is a continuation of the Latin IV Pre-AP course. This course includes an emphasis on the prose and poetry of Horace and Catullus, with continued preparation and practice for applicable university placement exams. Prerequisite: Latin IV Pre-AP (03430500) (FLAH51)

### **Latin Level V IB, 1 Credit, [International Baccalaureate SL/HL]**

The aim of this course is to continue developing the basic linguistic skills needed for understanding, translating and appreciating a text in the original language. Through reading in both the Latin and translation, the students will develop an understanding and an appreciation of the historical and cultural background to those texts. This course leads to the IB standard level or higher level examination in Latin Language B. Prerequisites: Latin IV IB and IB student (Lubbock High) (I3430500) (ILAT51)

### **Spanish Level I, 1 Credit**

Spanish I is an introductory course to the Hispanic world, its language and its people. Students will be taught basic vocabulary, phrases and grammar using the skills of listening, speaking, reading and writing to meet the TEKS goals of Communication, Cultures, Connections, Comparisons, and Communities at the *novice-low to novice-mid* level of proficiency. (3440100) (FSPR11)

### **Spanish Level II, 1 Credit**

Spanish II continues to develop the basic conversational, reading, and writing skills taught in Level I, increasing vocabulary and grammar skills to meet the TEKS goals of Communication, Cultures, Connections, Comparisons, and Communities at the *novice-mid to novice-high* level of proficiency. Prerequisite: Spanish I (3440200) (FSPR21)

**Spanish Level II, Pre-AP, 1 Credit (Available to the class of 2012 and beyond only.)**

Spanish II Pre-AP includes the basic content of the Spanish II course. However, student expectations and assessment will be more rigorous, thus encouraging students to begin communicating at an *intermediate-low* proficiency level while preparing for future Advanced Placement testing. Prerequisite: Spanish I (03440200) (FSAH21)

**Spanish Level III, 1 Credit**

Spanish III is an intermediate level course. Students will continue to develop their communications skills by producing original spoken and written language rather than memorized phrases to meet the TEKS goals of Communication, Cultures, Connections, Comparisons, and Communities at the *intermediate* level of proficiency. Students will also be introduced to excerpts from Spanish literature. Prerequisite: Spanish II or Spanish II Pre-AP (03440300) (FSPR31)

**Spanish Level III, Pre-AP, 1 Credit**

Spanish III Pre-AP is an intermediate level course. Students will continue to develop their communication skills by producing original spoken and written language rather than memorized phrases to meet the TEKS goals of Communication, Cultures, Connections, Comparisons, and Communities at the *intermediate* level of proficiency. They will also begin reading excerpts from Spanish literature and continue preparing for the Spanish Language Advanced Placement Exam (or other university placement tests). Prerequisite: Spanish II or Spanish II Pre-AP (03440300) (FSAH31)

**Spanish Level IV AP, 1 Credit**

Spanish IV AP is a comprehensive advanced level course in the Spanish language. Students will continue refining the skills taught and practiced in the intermediate course, focusing on conversation, advanced vocabulary, advanced writing, and advanced reading skills needed for the Spanish Language Advanced Placement Exam (or other university placement tests). Both students and teacher are expected to use the Spanish language the majority of class time, while meeting the TEKS goals of Communication, Cultures, Connections, Comparisons, and Communities at the *intermediate-high* proficiency level. Prerequisite: Spanish III or Spanish III Pre-AP (A3440100) (FSAH41)

**Spanish IV IB, 1 Credit, [International Baccalaureate SL]**

This fast pace course will be taught almost entirely in Spanish and will assume student proficiency of Spanish III course work. The course will also include advanced grammar, writing, and more difficult reading selections. At this level, concentration is placed on enhancing and perfecting listening, speaking, reading, literary analysis and writing skills as well as broadening the students' understanding of Hispanic culture. Students will be expected to converse in Spanish. Students may take the IB standard level exam after completing this course, but it is strongly recommended that a student take the Spanish V IB course before taking the exam. Prerequisites: Spanish III Pre-AP and IB student. (Lubbock High) (I3440400) (ISPA41)

**Spanish V Pre-AP, 1 Credit**

Spanish V Pre-AP is a continuation of Spanish IV AP, providing continuing preparation and practice for the Spanish Language Advanced Placement Exam (or other university placement tests). Prerequisite: Spanish IV Pre-AP (03440500) (FSAH51)

**Spanish V IB, 1 Credit, [International Baccalaureate SL/HL]**

In this course, students will engage in activities on topics prescribed by the IB Institute. Students will work to demonstrate their ability to compose well-constructed and idiomatic essays. Emphasis will be placed on oral fluency, essays, and comprehension. This course will be taught entirely in Spanish. This course leads to the IB standard level or higher level examination in Spanish Language B. Prerequisites: Spanish IV IB and IB student (Lubbock High) (I3440500) (ISPA51)

**Spanish VI Pre-AP, 1 Credit**

This course will be an intense and advanced study of language skills of conversation, listening, reading, and writing as well as a comprehensive overview and focus of the authors and literature of people in Hispanic countries and heritages. Focus is on the preparation for the Spanish Literature Advanced Placement Exam. Prerequisite: Spanish V Pre-AP (03440600) (FSAH61)

## HEALTH EDUCATION

### **Health Education, Grades 9-12, 1/2 Credit**

This course is required by LISD for graduation for the Class of 2011, 2012, and 2013 unless the student attends the Medical Professions Magnet and earns credit for Anatomy and Physiology, and Health Science Technology. The course is designed to acquaint students with consumer health problems, environment, the body systems, nutrition, reproduction, infectious and noninfectious diseases, AIDS, mental health, family life, tobacco, alcohol and drugs, first aid, and skills in emergency care of persons choking or not breathing. (3810100) (HEAR10)

### **Advanced Health Education, Grades 9-12, 1/2 Credit**

This is an elective course designed to acquaint students with making life style choices that affect personal wellness, current health issues and safety, health and safety occupations, treatment for cardiovascular disease and cancer, personal well-being, public health agencies, first aid and CPR. Prerequisite: Health Education (3810200) (HEAR30)

## LANGUAGE ARTS

### **AP Studies, Grades 11-12, 1/2-1 Credit**

This course, intended for any junior or senior students enrolled in one or more AP classes, provides support and instruction in preparation for taking AP tests in a variety of subject areas. Emphasis in particular includes AP essay writing, grammar review, time management skills, and test-taking strategies, as well as personal tutoring. In addition, other areas of focus include college admissions and scholarship applications, college representative visits, SAT I, SAT II, and ACT information. (3221100) (LEPW30) (LEPW31)

### **English for Speakers of Other Languages (ESOL) I & II, Grades 9-12, 1 Credit**

This course is limited to immigrant students who have only lived in the United States three years or less and whose proficiency in English is limited as determined by the school's Language Proficiency Assessment Committee (LPAC). Skills in listening, speaking, reading, writing, viewing, and representing will be developed according to each student's needs and abilities. The ESOL class is not a tutorial for other subjects. ESOL I and II are offered only at Monterey High School for Grades 9-12. These courses may count only for English I and II credits required for graduation from a Texas high school. It is highly recommended that students who score a one, two, or three in English on the Woodcock-Muñoz Language Survey Revised (WMLS-R) be placed in ESOL I or II as recommended by the LPAC. (Monterey) (03200600) (LSLE11), (03200700) (LSLE21)

### **ESL III, Grades 9-12, 1 Credit**

This course is an ESL support class for students who are not immigrants, but who are still LEP and qualify for ESL services. Emphasis is on English reading and writing skills. This course is not for English credit, but to be taken along with an English course. Only local credit is given. (Monterey) (MTSR40) (TAKS REV DIS)

### **English I, Grade 9, 1 Credit [Regular] [Pre-AP] [Lubbock ACAD]**

This course provides an integrated study of literature and composition where students learn basic communication skills. Emphasis is placed on learning various methods of composition, reading a variety of culturally diverse pieces of literature, and improving speaking, listening and study skills. (3220100) (LENR11) (LAPH11) (3220100) (LENZ11) (3220100)

### **English II, Grade 10, 1 Credit, [Regular] [Pre-AP] [Lubbock ACAD] [Lubbock Pre-IB]**

This course provides an integrated study of literature and composition. Emphasis is placed on increasing the length and complexity of compositions, revising and proofreading written work, understanding and analyzing more complex literature, and improving speaking, listening and study skills. (3220200) (LENR21) (3220200) (LAPH21) (3220200) (LENZ21) (3220200) (LENI21)

**English III, Grade 11, 1 Credit, [Regular] [Lubbock ACAD]**

This course continues the integration of reading and writing skills as students study language with an emphasis on American literature. Students write increasingly complex compositions refining their writing skills, editing papers for correct use of conventions, and incorporating outside documentation from various sources. (3220300) (LENR31) (3220300) (LENZ51)

**AP Language and Composition, Grade 11, 1 Credit [Advanced Placement] (English III)**

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and 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 generic conventions and the resources of language contribute to effectiveness in writing. (A3220100) (LENH61) and for Lubbock High classes: (A3220100) (LENH71)

**English IV, Grade 12, 1 Credit, [Regular] [Lubbock ACAD]**

This course focuses on the integration of language and composition skills with an emphasis on British literature. Students are expected to demonstrate a more sophisticated use of writing, research, reading, comprehension, and study skills. (3220400) (LENR41) (3220400) (LENZ61)

**AP Literature and Composition, Grade 12, 1 Credit [Advanced Placement] (English IV)**

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 the use of figurative language, imagery, symbolism, and tone. Writing is an integral part of the AP English Literature and Composition course and exam. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. (A3220200) (LENH51) and for Lubbock High classes: (A3220200) (LENH81)

**English III, IV, Grades 11-12, 2 Credits, [International Baccalaureate HL]**

(1) English III is an intensive study of British literature with an introduction to world literature through Greek classical theater. A detailed study of poetry begins in the second semester and concludes in the senior year. Emphasis is placed on oral commentary, which is formally evaluated. A regular vocabulary study contributes to higher SAT scores in addition to enhanced communication in literary essays and discussion. Written assessment includes both formal papers, in-class essays, and the beginning work on the extended essay. The distinguishing focus of an IB class is independent thought and study in the language arts. Prerequisite: English II Pre AP. (2) English IV tightens the focus on world literature from the Greek through contemporary writers. Written assessment includes the final copy of the extended essay, begun in literature and a 700 or 900 word essay under the grouping The Art of the Novel, the unit preceding the four hour exam given in the spring. Vocabulary study continues, as well as the oral commentary introduced in the junior year. This course encourages independent thought and broadens awareness of cultural and philosophical diversity. These two courses lead to the IB higher level examination in Language A1. Prerequisite: English III IB (Lubbock High) (I3220300) (IENG31) (I3220400) (IENG41)

**Creative Writing, Grades 10-12, 1/2-1 Credit**

Students participate in an introduction and examination of the different types of creative writing including poetry, prose, technical, and informative writing. Recommendation of English teacher suggested. (3221200) (LEWR30) (LEWR31)

**Humanities, Grades 11-12, 1 Credit**

Instruction includes a survey of themes and concepts in the graphic and classic arts, music, architecture, and literature. Necessary historical and philosophical background is covered. (3221600) (LEMH41)

**Independent Study in English, Grades 10-12, 1/2-3 Credits [Pre-AP]**

This course provides extensive study into language and literature. Credit is available only for students in Academic Decathlon or Octathlon. The course is an elective course and does not meet the graduation English requirements. (03221800) (LIND21), (03221810) (LIND31), (03221820) (LIND41)

**PSAT/SAT Prep, Grades 9-12, 1/2-1 Credit**

This course includes a study of Latin and Greek roots and prefixes as well as the vocabulary used on college entrance exams and in higher education contexts. In addition to improving a student's personal vocabulary, the student can expect to increase test results on the PSAT, SAT, and other standardized tests. (3221800) (3221810) (LEBH21) (LEBR21) (LEBH31) (LEBH41-03221820)

**Reading I, II, III, Grades 9-12, 1/2-3 Credits**

This course is designed for students with deficiencies in reading rate and reading comprehension, as evidenced on the TAKS. Prerequisite: Recommendation of English teacher. (3270700) (LRDB11), (3270800) (LRDB21), (3270900) (LRDB31)

**Research and Technical Writing, Grades 10-12, 1/2-1 Credit [Pre-AP]**

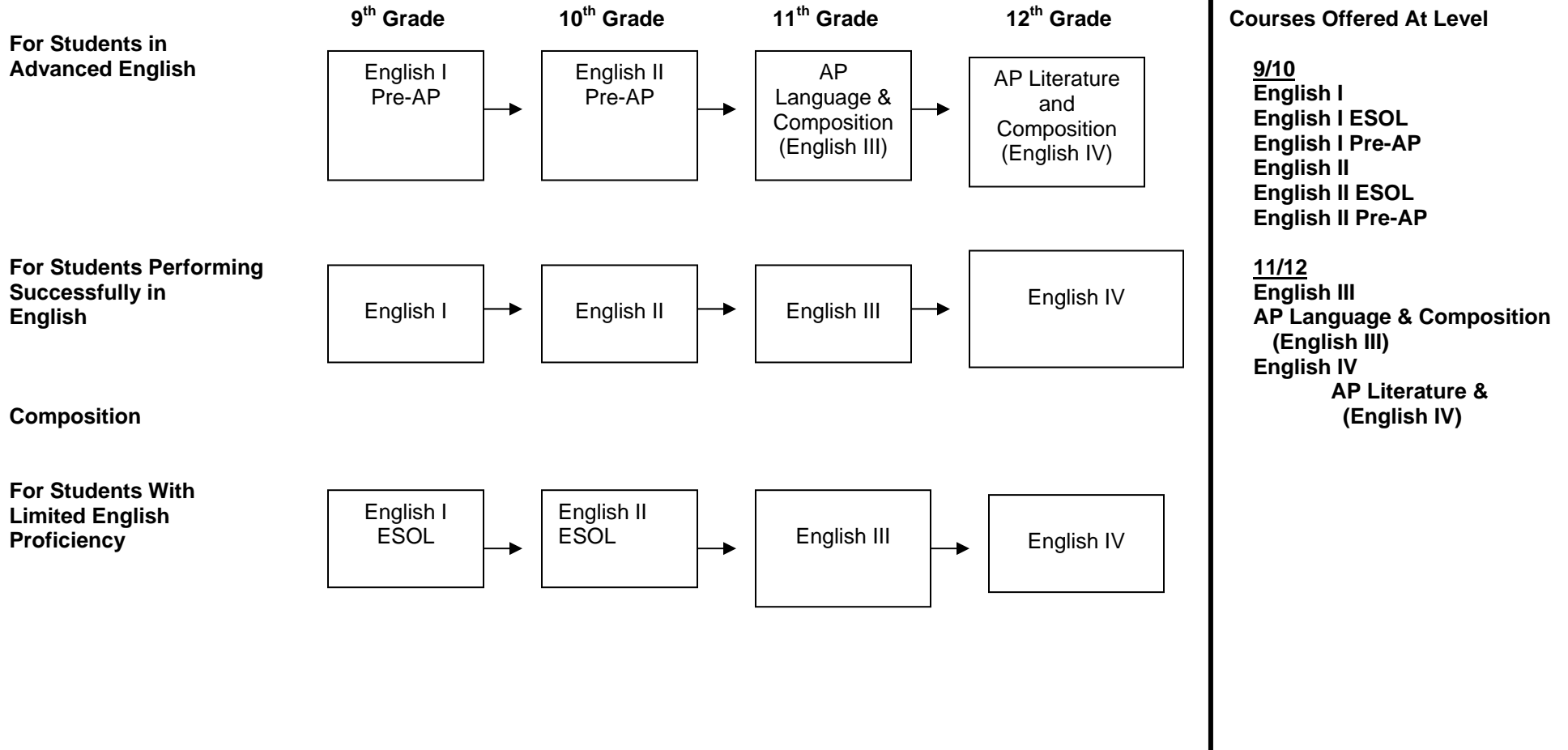
This course is designed to improve skills in gathering information and putting information into written form. Emphasis is given to organizing material, interpreting data, using outlines, writing research papers and technical reports. (3221100) (LETR30) (LETR31) (LETH30) (LETH31)

**Theory of Knowledge, Grade 12, 1 Credit, [International Baccalaureate]**

The objective of this course is to encourage the student's interdisciplinary approach to learning by analysis of information taken from various content fields. The course analyzes the role of language and thought in the attainment of knowledge and seeks to inspire critical questioning of "how we learn." The course encourages students to apply knowledge from advanced course work and expects students to utilize an evaluative process for decision-making. An emphasis on thought in personal creativity and a review of literary responses to essential works will form the foundation for student inquiry and discussion. A guided research project which integrates the readings from various disciplines and reflects a clarity of understanding of underlying philosophical concepts will be the expected product of students. The course fulfills the Theory of Knowledge requirement for the IB Diploma and is limited to Full Diploma Candidates who have met all other diploma requirements. Students may be removed from the class at any time these requirements are no longer met. Prerequisite: Declared and approved IB Diploma Candidate (Lubbock High) (I3000100) (ITOK31)

Possible Selections for 9-12 English

# ENGLISH



# MATHEMATICS

## **Accelerated Mathematics Program**

(For students desiring to take the maximum number of math courses.) Requirements: Approval from eighth or ninth grade algebra teacher, 8th grade math TAKS scores, and Algebra I end-of-year exam scores will establish the criteria for students entering the accelerated program. Any ninth grade student who intends to take AP Calculus as a senior must schedule the accelerated program. Students in the accelerated program will be able to: (1) take Algebra I Pre-AP in the 8th grade, Geometry in the 9th grade, Algebra II in the 10th grade, Precalculus or AP Statistics in the 11th grade, and AP Calculus or AP Statistics in the 12th grade; or (2) take Algebra I in the 9th grade, Geometry and Algebra II in the 10th grade, Precalculus or AP Statistics in the 11th grade, and AP Calculus or AP Statistics in the 12th grade. Students who are enrolled in Pre-AP mathematics courses and take Algebra I in 8th grade are strongly encouraged to take five years of mathematics.

### **Algebra I, Grade 8, 1 Credit [Pre-AP]**

### **Algebra I, Grade 9, 1 Credit [Regular]**

This course provides a foundation for higher level mathematics courses. Students will study functional relationships, the connections among ways of representing these relationships, and the use of representations of functions to solve problems. Connections are made to geometry, data analysis, probability, and discrete mathematics. (3100500) (MAPH08) (MALR11) (MALS11)

### **Algebra II, Grades 9-12, 1 Credit [Regular] [Pre-AP] [Lubbock ACAD] [Lubbock Pre-IB]**

This course is recommended as a preparatory course for students planning to attend any university, college, or technical institute. Students will use functions as models for a number of applied settings. Geometric and algebraic concepts are extended and connected to topics in probability and statistics, trigonometry, and discrete mathematics. Prerequisite: Algebra I (3100600) (MALR31) (MALH31) (MALZ31) (MALI31)

### **Calculus AB, Grade 12, 1/2-1 Credit [Advanced Placement]**

This course is for college-bound students who have completed appropriate prerequisites and who plan to enter a college program requiring a strong mathematics background. Calculus AB includes topics in differential and integral calculus and is comparable to courses in colleges and universities. It is expected that students who take an Advanced Placement course in calculus will seek college credit and/or placement from institutions of higher learning. (A3100101) (MCLH51)

### **Calculus BC, Grade 12, 1 Credit [Advanced Placement]**

This course is for college-bound students who have completed appropriate prerequisites and who plan to enter a college program requiring a strong mathematics background. Calculus BC is a full year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB. (A3100102) (MCLH71)

### **Geometry, Grade 9, 1 Credit [Pre-AP]**

### **Geometry, Grades 10-12, 1 Credit [Regular] [Pre-AP] [Lubbock ACAD]**

This course continues to develop the foundation for high school mathematics. Geometry consists of the study of geometric figures of zero, one, two, and three dimensions and the relationships among them. Students perceive the connection between geometry and the real and mathematical worlds and use geometric ideas, relationships, and properties to solve problems. Prerequisite: Algebra I (3100700) (MGER21) (MGAH11) (MGEZ21)

### **Independent Study in Mathematics I and II, Grades 10-12, 1/2-2 Credits [Pre-AP]**

This course provides extensive study of number concepts necessary for success in UIL Math, UIL Science, and/or Academic Decathlon or Octathlon. Credit is available only for students in one of these three competitive areas. It is an elective course and does not meet the graduation math requirements. (03102500) (MISR21) (03102501) (MISR31)

**College Algebra, Grade 11-12, 1 Local Credit**

These two half semester courses are for juniors or seniors who have not taken or are not taking Precalculus or Calculus. It is designed to prepare students to take college-entry freshman mathematics and/or prepare students for the Accuplacer, THEA, SAT, and ACT. College Algebra may also have a *dual credit* option. It will not receive weighted credit. This course will satisfy the 4 X 4 math requirements for a fourth year of math taken after Algebra II. Prerequisite: Algebra II (084100001) (MAIR40) (MAIR41)

**Mathematical Models with Applications, Grades 9-12, 1 Credit**

In this course, students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines such as personal finance, music, art, and architecture, and probability and statistics. Prerequisite: Algebra I and must be taken prior to Algebra II to satisfy the mathematics graduation requirements. (3102400) (MMMR21)

**Precalculus, Grades 11-12, 1/2-1 Credit**

In this course, students will use symbolic reasoning and analytical methods to represent mathematical situations, to express generalizations, and to study mathematical concepts and the relationships among them. This course will count as a math credit for the 4x4 state requirements. It will not receive weighted credit. Prerequisite: Geometry and Algebra II (3101100) (MCKR31)

**Precalculus, Grades 11-12, 1/2-1 Credit [Pre-AP] [Lubbock ACAD]**

This course includes all the knowledge and skills taught in a regular Precalculus class but at a greater depth with a broader scope and a faster pace along with higher expectations for student performance. It is the preparatory course for Advanced Placement Calculus. This course will receive weighted credit and counts as a math credit for the 4x4 state requirements. This course may also have a *dual credit* option. Prerequisite: Geometry and Algebra II (3101100) (MCKH31) (MCKZ31)

**Statistics, Grade 12, 1/2 - 1 Credit [Advanced Placement]**

This course is for college-bound students who plan to enter a college program involving the sciences and data analysis. This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes of exploring data, planning a study, anticipating patterns, and statistical inference. It is expected that students who take an Advanced Placement course in statistics will seek college credit and/or placement from institutions of higher learning. Prerequisite: Algebra II (A3100200) (MCLH61)

**Math Studies, Grades 11-12, 1 Credit [International Baccalaureate SL]**

In this course, students will cover algebraic topics, set theory, logic, trigonometry, statistics, probability, functions, financial mathematics, and introductory differential calculus. A project will be submitted during the spring semester. This course is for students who do not plan on majoring in mathematics and/or a field that requires extensive study in mathematics. This course leads to the IB standard level examination in Math Studies. Prerequisite: Algebra II, or Algebra II Academic, or Algebra II LEAP (Lubbock High) (I3100200) (IMAS31)

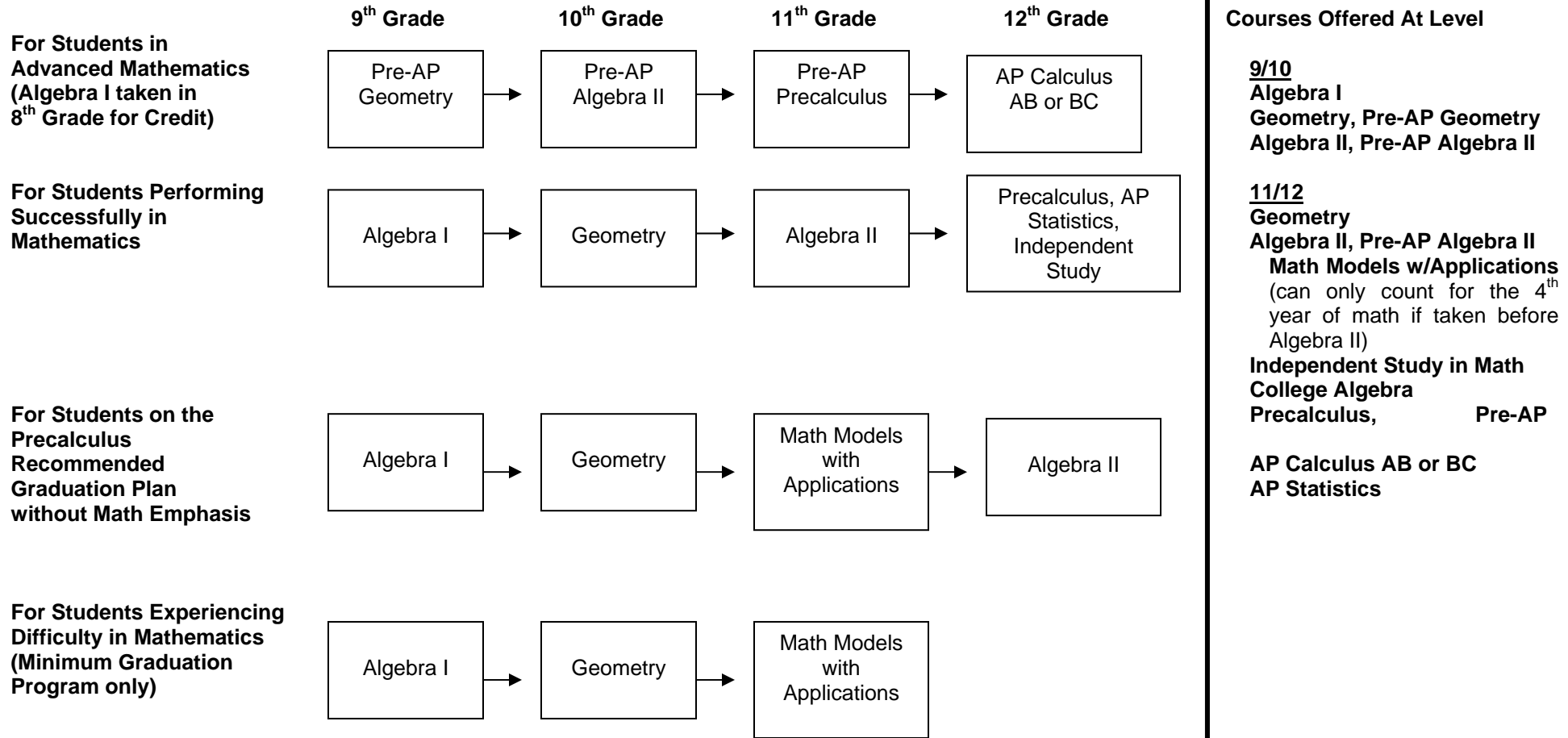
**Math SL, Grades 11-12, 1 Credit [International Baccalaureate SL]**

This is a course of study that includes circular functions and trigonometry, vector geometry, statistics, probability, and calculus. If a student chooses not to take Math Higher Level as a senior, then the student will submit a portfolio for external grading in this course. Upon completion of the Math Methods course and Calculus, the student will be prepared for the Advanced Placement AB Calculus exam and the IB standard level examination in Math Methods. Prerequisite: Algebra II Academic, or Algebra II LEAP (Lubbock High) (I3100100) (IMAM31)

**Math Higher Level, Grade 12, 1 Credit [International Baccalaureate HL]**

This course is a continuation of Math Methods, but at a higher level of synthesis and evaluation. The course includes the study of circular functions, trigonometry, vector geometry, matrices, transformations, statistics, probability and calculus. Upon completion of this course, the student will be prepared for the Advanced Placement AB Calculus, or BC Calculus exam and/or the IB higher level math examination. Prerequisite: Math SL IB (Lubbock High) (I3100300) (IMAH41)

# MATHEMATICS



## **MEDIA, COMMUNICATION, AND THEATRE ARTS**

### **Analysis of Visual Media (Film Analysis), Grades 9-12, 1/2 Credit**

Students enrolled in Visual Media will interpret various media forms for a variety of purposes. In addition, students will access, analyze, evaluate and produce communication in a variety of forms. They will also critique and analyze the significance of visual representations and learn to produce media messages that communicate with others. (3221700) (LVMR20)

### **Communication Applications, Grades 9-12, 1/2 Credit**

In this speech course, students will be expected to identify, analyze, develop, and evaluate oral communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. Credit also can be awarded for Academic Decathlon or spring semester of Octathlon (3241400) (LCAR20)

### **Debate I, Grades 9-12, 1/2-1 Credit (3240600) (LCDR21)**

### **Debate II, Grades 10-12, 1/2-1 Credit (3240700) (LCDR31)**

### **Debate III, Grades 10-12, 1/2-1 Credit (3240800) (LCDR41)**

Sequential courses are concentrated studies in debate for students wishing to compete in Interscholastic League competitions. This course is designed to educate students in the art of argumentation. Content includes analysis of propositions, academic research, preparation of research files and briefs, writing of arguments supporting and opposing propositions of policy and value, skills of refutation, presentation and delivery.

### **Oral Interpretation I, Grades 10-12, 1/2-1 Credit (3240200) (LCOR21)**

### **Oral Interpretation II, Grades 10-12, 1/2-1 Credit (3240300) (LCOR31)**

### **Oral Interpretation III, Grades 10-12, 1/2-1 Credit (3240400) (LCOR41)**

Sequential courses are concentrated studies in the interpretation of literature for students wishing to compete in Interscholastic League competitions. In Oral Interpretation, students study the oral reading or performance of a literary text as a communication art. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated.

### **Public Speaking I, Grades 9-12, 1/2-1 Credit (3240900) (LCSR21)**

### **Public Speaking II, Grades 10-12, 1/2-1 Credit (3241000) (LCSR31)**

### **Public Speaking III, Grades 10-12, 1/2-1 Credit (3241100) (LCSR41)**

Sequential courses are concentrated studies in Public Speaking for students wishing to compete in Interscholastic League competitions. This course is a study of preparation of public speeches and includes concepts of rhetoric, topic selection, library and electronic research skills, organization of ideas, preparation and presentation, and delivery skills.

### **Speech Communication, Grades 9-12, 1 Credit**

This introductory speech course is for students wanting one full year of public speaking but who do not plan to prepare for Interscholastic League competition. (3241300) (LCAR21)

### **Special Topics in Forensics**

Independent study course for students on the Competitive Speech and Debate Team. Topics include: Advanced Policy Debate, Advanced Value Debate, Advanced Public Speaking, Research Methods, and Advanced Oral Interpretation. (03241200) (LCFR11)

### **Technical Theatre I and II, Grades 9-12, 1/2-1 Credit Each**

Technical Theatre is a combination of the following components to be organized according to student need and local interests: overview, design, scenery, properties, lighting, costumes, make-up, sound, and public relations and/or publicity. Prerequisite: First semester (or teacher approval) required in order to take second semester. (3250500) (LCTR21) (3250600) (LCTR31)

**Theatre Arts I, Grades 9-12, 1/2-1 Credit (3250100) (LCPR11)**  
**Theatre Arts II, Grades 10-12, 1/2-1 Credit (3250200) (LCPR21)**  
**Theatre Arts III, Grades 10-12, 1/2-1 Credit (3250300) (LCPR31)**  
**Theatre Arts IV, Grades 10-12, 1/2-1 Credit (3250400) (LCPR41)**

Theatre Arts is the study of theatre history and dramatic literature, casting of plays, stage movement, and acting techniques, lighting, costuming, sound effects, make-up, and appreciation for theatrical events.

**Theatre Production I, Grade 9, 1/2-1 Credit (3250700) (LCRR21)**  
**Theatre Production I, Grades 10-12, 1/2-1 Credit (3250700) (LCRR21)**  
**Theatre Production II, Grades 10-12, 1/2-1 Credit (3250800) (LCRR31)**  
**Theatre Production III, Grades 10-12, 1/2-1 Credit (3250900) (LCRR41)**

Theatre Production provides experiences in acting and stagecraft through the preparation and public performance of plays. This course is available to students not in a theatre arts class provided they meet the Texas Essential Knowledge and Skills and spend time equivalent to a regular class. In limited cases, students in a theatre arts class might receive credit both in Theatre Arts and in Theatre Production.

**Theatre Arts, Grades 11-12, 1 Credit [International Baccalaureate SL]**

This class synthesizes the goals of the upper level theater arts classes into a more comprehensive study of dramaturgy, combined with acting technique and performance opportunities. Students explore acting styles in theater history and scene performance, investigate noted theoreticians, refine audition technique with particular emphasis on auditioning or college, prepare personal vitas, apply psychological and physical performance situations, emphasizing specialized theatrical styles. Aesthetic growth through live theatre attendance and development of critical analysis and play analysis skills are also emphasized. A variety of guest artists will identify career opportunities and provide instruction in special techniques. This course leads to the IB standard level examination in Theatre Arts. Prerequisite: Student must be in the IB Diploma Program to enroll in this class. (Lubbock High) (I3750200) (ITHA31)

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**Advanced Journalism: Newspaper Production I, Grades 9-12, 1/2-1 Credit (3230140)**  
**Advanced Journalism: Newspaper Production II, Grades 10-12, 1/2-1 Credit (3230150)**  
**Advanced Journalism: Newspaper Production III, Grades 10-12, 1/2-1 Credit (3230160)**

This course focuses on newspaper production with topics including editing, graphics, design, layout, and advertising. Prerequisite: Each course is the prerequisite to succeeding course. Journalism I is a prerequisite to all three courses. (LJNR21) (LJNR31) (LJNR41) Technology Application credit may be earned if 1) Graphics Communication and Design is listed as the course on the transcript, and 2) TEKS for Graphics Communication and Design are met in Advanced Newspaper or Yearbook. Prerequisite: Successful completion of Journalism I or signed instructor approval.

**Advanced Journalism: Yearbook Production I, Grades 9-12, 1/2-1 Credit (3230110)**  
**Advanced Journalism: Yearbook Production II, Grades 10-12, 1/2-1 Credit (3230120)**  
**Advanced Journalism: Yearbook Production III, Grades 10-12, 1/2-1 Credit (3230130)**

This course focuses on yearbook publication: graphics, design, layout, photography, magazine journalism techniques, advertising, budgets, and production. (LJYR21) (LJYR31) (LJYR41) Technology Application credit may be earned if 1) Graphics Communication and Design is listed as the course on the transcript, and 2) TEKS for Graphics Communication and Design are met in Advanced Newspaper or Yearbook. Prerequisite: Successful completion of Journalism I or signed instructor approval.

**Audio/Video Production, Grades 11-12, 1-2 Credits**

In this course students will develop an understanding of the Audio/Video industry with a focus on pre-production, production and post-production audio and video activities in an authentic setting at LISD TV and taught by LISD-TV staff. Students will also learn knowledge and skills needed for success in the Arts, Audio/Video Technology & Communications career cluster. Careers in audio and video technology and film production span all aspects of the audio/video communications industry. (ATC/LISD-TV) (13008500)

**Advanced Audio/Video Production, Grades 10-12, 2-3 Credits**

In this course students will develop and advanced understanding of the industry with a focus on pre-production, production, and post-production activities. Classes will be taught at LISD-TV by LISD-TV staff. This course may be implemented in an advanced audio format or an advanced format including both audio and video. (ATC/LISD-TV) (13008600)

**Practicum in Audio/Video Production, Grades 11-12, 2-3 Credits**

In this course students will increase understanding of the Audio/Video industry with a focus on applying pre-production, production and post-production audio and video activities in studio environment at LISD-TV and mentored by LISD-TV staff. Instruction may be delivered through lab-based or career preparation opportunities. (ATC/LISD-TV) (13008700)

**Practicum in Audio/Video Production II, Grades 11-12, 2-3 Credits**

This course is a second year of a Practicum in Audio/Video Production. Students will expand their experience and understanding of the industry. (ATC/LISD-TV) (1308710)

**Journalism I, Grades 9-12, 1/2-1 Credit**

This course presents journalistic techniques in the classroom concerning reporting, special writing, and photojournalism. Prerequisite: Above-average grades and recommendation of English or journalism teacher. Substitutes for English IV under High School Program if taken in grade 12. (3230100) (LJOR21)

**Photojournalism, Grades 9-12, 1/2-1 Credit**

This course focuses on photography for journalistic purposes including camera operation, film processing, picture composition, and photo editing. (3230800) (LPJR21)

## MUSIC

**Band I-IV, Grades 9-12, 1/2-1 Credit**

Concurrent participation in marching band is required when participating in high school concert band. Prerequisite: Director approval (3150100) (3150200) (3150300) (3150400)

**Choral Music I (Mixed), Grade 9, 1/2-1 Credit**

The mixed choir shall be the beginning chorus for the four-year program. The vocal group is open to anyone with an interest in singing all types and venues of music. In addition to stressing choral, vocal, and performance techniques, reading music will be taught for lifetime and contest uses. Prerequisite: Director approval (3150900)

**Choral Music II-IV (Mixed), Grades 10-12, 1/2-1 Credit**

The mixed choir shall consist of members who are approved by the choral director. This organization will prepare and perform vocal music at the highest level possible. The repertoire will consist of all important styles, periods, and venues. Reading and listening skills will be emphasized. (3151000) (3151100) (3151200)

**Choral Music I-IV (Tenor-Bass), Grades 9-12, 1/2-1 Credit**

The men's chorus consists of a choir that engages in music of various historical styles. Particular emphasis will be placed on barbershop, folk music, and American music. Good performance and reading techniques will be stressed with the idea of creating a unique group for the school and community. Open to all male students.

(3150900) (3151000) (3151100) (3151200)

**Choral Music I-IV (Treble), Grades 9-12, 1/2-1 Credit**

The women's chorus consists of a choir that engages in the preparation and performance of music of various musical styles. Repertoire will consist of traditional choral music, barbershop, American folk music, and stage music. Open to all female students. (3150900) (3151000) (3151100) (3151200)

**Instrumental Ensemble I-IV, Grades 9-12, 1/2-1 Credit**

Prerequisite: Director approval (3151700) (NPLR11), (3151800) (NPLR21), (3151900) (NPLR31), (3152000) (NPLR41)

**Mariachi, Grade 9-12, 1/2-1 Credit**

Mariachi is a beginning class for students with no experience in guitar, vihuela, or guitarron. Trumpet and violin players need at least one year of experience playing their instruments before joining. Mariachi is the classic folk music of Mexico and the new, adventurous, and exciting music of the Southwest today. (Lubbock High) (003150500) (NOMR11) (003150500) (NOMR21) (003150500) (NOMR31) (003150500) (NOMR41)

**Mariachi (Advanced), Grade 9-12, 1/2-1 Credit**

Advanced Mariachi is an extension of the beginning Mariachi class. Students with sufficient experience may try out with the instructor for a place in the class. The advanced class will be a performing group with numerous opportunities to play in the community and in various contests. Prerequisite: Beginning Mariachi (1 year) or instructor approval. (Lubbock High) (003150500) (NOMA11) (003150500) (NOMA21) (003150500) (NOMA31) (003150500) (NOMA41)

**Music IB SL, Grades 11-12, 1 Credit [International Baccalaureate SL]**

This course is for the serious IB music student. This course gives students the opportunity to explore the diversity of music from different parts of the world, different genres, and different styles. Students will be expected to demonstrate the use of appropriate musical language and terminology to describe and reflect their critical understanding of music; the development of perceptual skills in response to music; knowledge and understanding of music in relation to time and place. In addition standard level candidates will be expected to demonstrate one of the following: development of their performance skills through solo or ensemble music making, or development of their compositional skills through exploration and investigation of musical elements. Prerequisites: Previous musical experience in band, choir, or orchestra and an IB diploma candidate. (Lubbock High) (I3250200) (IMUS31)

**Music IB HL, Grade 12, 1 Credit [International Baccalaureate HL]**

This advanced music course is the second year of a two year program. Students will continue their investigation of a range of musical examples chosen to develop their aural perception. Students will learn about musical structure, function and expressive character; musical elements: melody, harmony, rhythm, texture, tone color; musical terminology and notations; and historical and cultural contexts. Students will be expected to demonstrate: development of their performance skills through solo music making; development of their compositional skills through exploration and investigation of musical elements; use of appropriate musical language and terminology to describe and reflect their critical understanding of music; development of perceptual skills in response to music; and knowledge and understanding of music in relation to time and place. Prerequisite: IB Music SL and an IB diploma candidate (Lubbock High) (I3250300) (IMUS41)

**Music History and Literature, Grades 10-12, 1 Credit**

This course is for students with a general interest in the development of music. Considerable time is spent in planned listening to recorded music. (3152900) (NHLR21)

**Music Theory AP, Grades 11-12, 1 Credit**

The ultimate goal of an AP Music theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. This introduces the student to musicianship, theory, musical materials, and procedures. Musicianship skills such as dictation, listening skills, sight-singing, and keyboard harmonization are considered an important part of the theory course. Prerequisite: instructor approval (A3150200) (NTHR21)

**Orchestra I-IV, Grades 9-12, 1/2-1 Credit**

Prerequisite: Director approval (3150500) (NORR11), (3150600) (NORR21), (3150700) (NORR31), (3150800) (NORR41)

**Stage Band I-IV, Grades 9-12, 1/2-1 Credit**

In this course student assignment is determined by the director. Instruction includes study and performance of music in modern jazz style. Prerequisite: Concurrent enrollment in marching band. (3151300) (NSBR11) (3151400) (NSBR21) (3151500) (NSBR31) (3151600) (NSBR41)

**Vocal Ensemble I-IV, Grades 9-12, 1/2-1 Credit**

Membership as approved by director. The ensemble will perform in a variety of settings. (3152100) (NCVR11) (3152200) (NCVR21) (3152300) (NCVR31) (3152400) (NCVR41)

## PEER MEDIATION

### **Peer Mediation, Grades 9-12, 1/2-1 Local Credit**

Students are trained as peer mediators in providing non-violent problem solving approaches to resolving conflicts for their campus. Students will focus on areas of understanding conflict, styles of conflict, negotiation, collaboration, and developing communication and listening skills. Students may also be involved as mentors in elementary and middle schools. (Estacado) (08500001) (LPMR21)

## PEER TUTORING

### **Peer Tutoring, Grades 10-12, 1/2-1 Local Credit**

This course offers an opportunity for a student to receive local credit for tutoring one or more students in a designated class. The peer tutor must have an 85 average or higher in academic subjects, be recommended by a teacher, and be accepted through an application/interview process. Training for the tutor will be provided at the beginning of the semester or year. (08500002) (LPPR21)

## PHYSICAL EDUCATION

A student may graduate without taking formal physical education classes by completing courses or activities authorized to substitute for physical education. Students may earn no more than four units of credit in physical education toward state graduation requirements, even though the requirement is only 1.

Students in Physical Education will acquire movement knowledge and skills that provide the foundation for enjoyment, continued social development through physical education, and practice for living a physically active and healthy lifestyle. Students will exhibit a physically active lifestyle and understand the relationship of physical activity and health. Students may not repeat a course for graduation.

The following courses or activities may substitute for state credited physical education:

- Athletics
- Reserve Officer Training Corps (ROTC)
- \* Pep Squad (fall semester only)
- \* Cheerleading (fall semester only)
- Marching Band (fall semester only)
- Gymnastics

\*Students in these classes in grades 10-12 for the spring semester receive local credit. PEIMS numbers are:

Fall Cheerleading:

9th grade: 3820501  
10th grade: 3820502  
11th grade: 3820503  
12th grade: 3820504

Fall Pep Squad:

10th grade: 3820502  
11th grade: 3820503  
12th grade: 3820504

Spring Cheerleading:

9th grade: 084200002  
10th grade: 084200002  
11th grade: 084200003  
12th grade: 084200004

Spring Pep Squad:

10th grade: 084200005  
11th grade: 084200006  
12th grade: 084200007

### **Physical Education IA (Foundations of Personal Fitness), Grades 9-11, 1/2 Credit**

This course is designed to acquaint students with the understanding and meaning of a wellness lifestyle (fitness skills, stress management, nutrition, and recreational leisure). Part of the course will be in the classroom and part will involve physical activity. A fitness test will be administered and used by students to create their own personal workout plan. (3820101) (PEDR10)

**Individual Sports, Grades 9-12, 1/2 Credit**

Students will exhibit a level of skills and strategy competency in two or more individual/dual sports (archery, badminton, bowling, golf, gymnastics, handball, track and field, weight training). This course will continue to place an emphasis on the fitness/wellness concepts and the use of personal workout routines. A fitness test will be administered. (3850104) (PEDR20)

**Team Sports I & II, Grades 9-12, 1/2-1 Credit**

Students will exhibit a level of skills and strategy competency in two or more team sports (basketball, flag football, volleyball, soccer, hockey, team handball, speed-away, softball). This course will also continue to place an emphasis on fitness/wellness concepts and the use of personal workout routines. A fitness test will be administered. (3860105) (PEDR30) (PEDR40)

**Physical Education III, Grades 10-12, 1/2 Credit (Local Credit)**

Students will participate in a variety of activities. Fitness and wellness concepts, individual workout schedules, and fitness testing will remain important components. (084200009) (PEDR50)

**Physical Education IV, Grades 11-12, 1/2 Credit (Local Credit)**

Students will participate in a variety of activities. Fitness and wellness concepts, individual workout schedules, and fitness testing will remain important components. (084200009) (PEDR60)

**Gymnastics I, Grades 9-12, 1/2-1 Credit**

Activities emphasize the progressive development of basic skills and sound safety practices on each gymnastic apparatus. Girls work on side horse vault, uneven bars, balance beam, and floor exercise. Boys utilize floor exercise, pommel horse, still rings, long horse vault, parallel bars, and horizontal bar. (Lubbock High) (3820501) (CGNR21)

**Gymnastics II, Grades 10-12, 1/2-1 Credit**

This is a continuation of the beginning course and requires more advanced skills and a higher degree of competence. Emphasis is on the skills and routines used in the high school compulsory exercises. UIL competition is not required but available to those who can qualify. Prerequisite: Beginning Gymnastics or equivalent preparation. (Lubbock High) (3820502) (CGNR31)

**Gymnastics III, Grades 10-12, 1/2-1 Credit**

The skills taught in this course are more complicated and require a higher degree of competence than the previous course. The primary emphasis at this level will be the development of individual routines on various pieces of equipment. The competitive aspects of tumbling and gymnastics will be covered with emphasis on the Olympic activities. Students will have the opportunity to participate in exhibitions and some competitive meets. This course will concentrate on the following activities:

Boys: Horizontal bar, floor exercise, side horse vaulting, long horse vaulting, parallel bars, and rings.

Girls: Floor exercises, uneven parallel bars, balance beam, and side horse vaulting.

This course may be repeated for credit. Prerequisite: The beginning/intermediate course or similar skill preparation. (Lubbock High) (3820503) (CGNR41)

## DANCE

**Ballet I, Grades 9-12, 1/2-1 Credit**

This is a fundamental course in body balance and controlled movement necessary for the training of potential dancers, actors, singers, and athletes, and is helpful in achieving poise for any student. Laboratory classes include preliminary warm-ups at the barre, practice of the basic adagio and allegro movements away from the barre, as well as other activities for the development of rhythmic skills. Lecture sessions include a survey of terminology for formalized dance. Simple choreography is introduced. Attendance at dance concerts is required. Prerequisite: None (Lubbock High) (3830100) (PBAR21)

**Ballet II, Grades 10-12, 1/2-1 Credit**

Ballet II features development of more difficult dance performance skills necessary for more complex choreography. Preparation for and participation in public appearance is required. This course may be repeated for credit. Prerequisite: Ballet I (Lubbock High) (3830200) (PBAR31)

**Ballet III-IV, Grades 10-12, 1/2-1 Credit**

This course involves intermediate and advanced study. Prerequisite: Ballet I, II (Lubbock High) (III: 3830300) (PBAR41-42) (IV: 3830400) (PBAR51)

**Jazz Dance I, II, III, Grades 9-12, 1/2-1 Credit**

In this course the study and development of dance techniques in classical and contemporary jazz styles will be stressed. Experience will be provided in individual and group choreography. A culminating public performance will be prepared. This course may be repeated for credit. Prerequisite: None for Jazz I. Jazz II and III are sequential after Jazz I. (Lubbock High) (3830100) (PJDR21) (3830200) (PJDR31) (3830300) (PJDR41)

**Modern Dance I, II, Grades 9-12, 1/2-1 Credit**

In this course students will gain experience in the interpretative movement techniques of modern dance as taught by such leading dance artists as Graham, Cunningham, Limon, and Hole. The importance of eurhythmics is stressed and the art of dance-drama is introduced. A survey of the history of modern dance will be included. Participation in public performance is required. This course may be repeated for credit. (Lubbock High) (3830100) (PMDR11) (3830200) (PMDR21)

**Advanced Dance, Grades 9-12, 1/2-1 Credit**

Students are admitted to the class by audition only. This performance class is designed for students who have gained expertise in ballet, modern, and jazz. The focus is on performance and choreographic skills, with emphasis on preparation for dancers who hope to pursue a career in college or at the professional level. (Lubbock High) (3830400) (PMDR41)

**Dance Folklorico I, Grades 9-12, 1/2-1 Credit**

In this course, students will gain experience in the dance techniques of Mexican Folklore focusing mostly on the state of Jalisco, Mexico. Lecture sessions include a survey of terminology and history of the dance. Participation in public performance is required and purchase of own folklorico shoes. This course may be repeated for credit. (Lubbock High) (M1170017) (PFLR11)

**Dance Folklorico II, Grades 9-12, 1/2-1 Credit**

Students are admitted to the class by audition or completion of Beginning Folklorico. This performance class is designed for students who have gained expertise in basic techniques of Folklorico. Students will learn various dances from several states of Mexico. Participation in public performance is required. This course may be repeated for credit. (Lubbock High) (M1170018) (PFLR21)

<b>ROTC (JUNIOR)</b>
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	Military Science		Drill Team	
<b>AJROTC I, Grades 9-12, 1 Credit, (Estacado)</b>	<b>3160100</b>	<b>RMSR11</b>	<b>3820501</b>	<b>RADR11</b>
<b>AJROTC II, Grades 10-12, 1 Credit, (Estacado)</b>	<b>3160200</b>	<b>RMSR21</b>	<b>3820502</b>	<b>RADR21</b>
<b>AJROTC III, Grades 11-12, 1 Credit, (Estacado)</b>	<b>3160300</b>	<b>RMSR31</b>	<b>3820503</b>	<b>RADR31</b>
<b>AJROTC IV, Grade 12, 1 Credit, (Estacado)</b>	<b>3160400</b>	<b>RMSR41</b>	<b>3820504</b>	<b>RADR41</b>
<b>NJROTC I, Grades 9-12, 1 Credit, (Lubbock)</b>	<b>3160100</b>	<b>RMSR11</b>	<b>3820501</b>	<b>RADR11</b>
<b>NJROTC II, Grades 10-12, 1 Credit, (Lubbock)</b>	<b>3160200</b>	<b>RMSR21</b>	<b>3820502</b>	<b>RADR21</b>
<b>NJROTC III, Grade 11-12, 1 Credit, (Lubbock)</b>	<b>3160300</b>	<b>RMSR31</b>	<b>3820503</b>	<b>RADR31</b>
<b>NJROTC IV, Grade 12, 1 Credit, (Lubbock)</b>	<b>3160400</b>	<b>RMSR41</b>	<b>3820504</b>	<b>RADR41</b>

The JROTC program prepares high school cadets for responsible leadership roles while making them aware of their rights, responsibilities and privileges as American citizens. The program is a stimulus for promoting graduation from high school and it provides instruction and rewarding opportunities which will benefit the cadet, community and nation. While no military obligation is incurred, satisfactory completion of the program can lead to Advanced Placement credit in the Senior ROTC Program or to advanced rank in the armed forces. Satisfactory completion can also lead to a full ROTC college scholarship and will significantly enhance a cadet's application for one of the service academies, such as West Point

## SCIENCE

### **Anatomy and Physiology - Medical, Grades 10-12, 1 Credit**

In this course, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Prerequisite: Pre-Advanced Placement Biology. (Estacado) (13020600) (SPA31)

### **Anatomy and Physiology of Human Systems, Grades 11-12, 1 Credit**

In this course, students conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. Students will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. Prerequisite: Completion of Biology and Chemistry. (13020600) (SAP31)

### **Biology IB/Anatomy and Physiology, IB Grades 11-12, 2 Credits [International Baccalaureate HL]**

Biology II is the first course of a two-year sequence for IB Biology Higher Level. The first course is an internationally recognized curriculum which includes an in-depth exploration of topics such as cytology, biochemistry, cellular energetics, genetics, molecular biology, evolution, ecology and a survey of organisms and populations. Students will be required to do a major project with other IB Science students and keep an extensive portfolio of laboratory work. Prerequisite: Biology I Pre-AP, Chemistry (may be taken concurrently). Anatomy and Physiology is a second year course designated to prepare students for the Biology higher level examination and will focus on Human Anatomy and Physiology. Anatomical structure of the human body will be explored in depth as well as the homeostatic regulating mechanisms that keep the body functioning properly. Students will be required to do a major project with other IB Science students and keep an extensive portfolio of laboratory work. With the completion of this course, students will take the IB Biology Higher Level examination. Prerequisite: Biology IB (Lubbock High) (IANP31) (I3010200) Anatomy & Physiology IB (IANP41) (I3010201)

### **Aquatic Science, Grades 10-12, 1 Credit [Academic]**

In this course, students will conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Topics include components of an aquatic ecosystem, relationships among aquatic habitats and ecosystems, roles of cycles within an aquatic environment, adaptations of aquatic organisms, changes within aquatic environments, geological phenomena and fluid dynamics effects, and origin and use of water in a watershed. Prerequisite: One unit of high school science. (Lubbock High) (3030000) (SM31)

### **Astronomy, Grades 11-12, 1 Credit [Academic]**

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, and reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills. Prerequisite: One unit of high school science. (Lubbock High) (03060100) (SAS31)

### **Astronomy, Grades 11-12, 1 Credit**

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, and reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills. Prerequisite: One unit of high school science. (Estacado) (03060100)

**Biology, Grades 9-12, 1 Credit, [Regular] [Pre-AP] [Lubbock ACAD] [Lubbock Pre-IB]**

In this course students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. (03010200) (SBIR21) (SBPH21) (SBIZ21) (SBPI21)

**Biology AP, Grades 10-12, 1 Credit [Advanced Placement]**

This is a college-level introductory biology course recommended for all students who are preparing for careers in medicine or the biological sciences. The course will cover three general areas of study: molecules and cells (chemistry, cells, cellular energetics), heredity and evolution (heredity, molecular genetics, evolutionary biology), and organisms and populations (diversity of organisms, structure and function of plants and animals, ecology). It is expected that students who take an Advanced Placement course in biology will seek college credit and/or placement from institutions of higher learning. Prerequisite: Biology and Chemistry. Chemistry may be taken concurrently. (A3010200) (SBIH31)

**Chemistry, Grades 10-12, 1 Credit [Regular] [Pre-AP] [Lubbock ACAD] [Lubbock Pre-IB]**

In this course students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. Prerequisite: One unit of high school science, Algebra I, and completion of or concurrent enrollment in a second year of mathematics. (03040000) (SCMR31) (SCMH31) (SCMZ31) (SCMI31)

**Chemistry AP, Grades 11-12, 1 Credit [Advanced Placement]**

This is a college-level course that will cover the fundamental principles of chemistry with an emphasis on the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and thermodynamics in depth. It is expected that students who take an Advanced Placement course in chemistry will seek college credit and/or placement from institutions of higher learning. Prerequisite: Chemistry and Algebra II. (A3040000) (SCMH51)

**Chemistry II, Grades 11-12, 1 Credit [International Baccalaureate SL]**

This is a one-year course that will review and expand on all topics from Chemistry I Pre-AP. Equilibrium, Electrochemistry, Nuclear Chemistry Environmental Chemistry, and Organic Chemistry will also be covered. An extensive lab program will be carried out and documented. Students will also prepare an extended project. Students can expect to spend at least three hours per week in homework and lab preparation. This course leads to the IB standard level examination in Chemistry. Prerequisite: Chemistry I Pre-AP (Lubbock High) (I3040002) (ICHM31)

**Environmental Science AP, Grades 11-12, 1 Credit [Advanced Placement]**

This is a college-level introductory environmental science course recommended for all students who are preparing for careers in ecology and the environment. It is expected that students who take an Advanced Placement course in environmental science will seek college credit and/or placement from institutions of higher learning. Prerequisite: Algebra I and two years of high school laboratory science including one year of a life science and one year of a physical science. (A3020000) (SESH31)

**Environmental Systems, Grades 11-12, 1 Credit**

In this course students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments. Prerequisite: Completion of Biology and Chemistry (03020000) (SESR31)

**Integrated Physics and Chemistry, Grades 9-12, 1 Credit [Regular]**

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry. This course will be offered concurrently with Biology for students who score a 2000 or below on the 8<sup>th</sup> grade science TAKS test. This course can only be taken in the 9<sup>th</sup> and 10<sup>th</sup> grades. (3060201) (SPSR11) (SPSH11)

**Medical Microbiology, Grades 11-12, 1/2-1 Credit**

Students in this course will explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Prerequisite: Pre-Advanced Placement Biology (Estacado) (13020700) (SMMH31)

**Pathophysiology, Grades 11-12, 1/2-1 Credit**

In this course, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Prerequisite: Pre-Advanced Placement Biology (Estacado) (13020800) (SPBH20)

**Physics, Grades 11-12, 1 Credit [Pre-AP] [Regular]**

In Physics, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: law of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics: characteristics and behavior of waves; and atomic, nuclear and quantum physics. Students will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills. Prerequisite for Regular Physics: One year of science, Algebra I and concurrent enrollment in a second year of math. Prerequisite for Pre-AP Physics: Algebra II, Pre-Calculus or concurrent enrollment in Pre-Calculus. (03050000) (SPYH41) (SPYR41)

**Physics B AP, Grades 11-12, 1 Credit [Advanced Placement]**

This is a standard college level trigonometry based physics course covering the areas of mechanics, thermodynamics, electro-magnetism, and modern physics. It is aimed at the student seeking an advanced scientific understanding of physics, but planning a career in one of the less technical fields, i.e., medicine, physical/occupational therapy, biology, or architecture. Prerequisite: One unit of high school science and completion or concurrent enrollment in Pre-Calculus. (A3050001) (SPYH61)

**Physics C AP, Grades 11-12, 1 Credit [Advanced Placement]**

This is a college-level course designed to prepare a student for study in engineering or other physical science disciplines. The class is divided by semester into mechanics and electro-magnetism. Many of the concepts covered will require differential or integral calculus. It is expected that students who take an Advanced Placement course in physics will seek college credit and/or placement from institutions of higher learning. Prerequisite: Physics, or Physics B AP and completion or concurrent enrollment in Calculus. (A3050002) (SPYH71)

**Physics I/Physics II, Grades 11-12, 2 Credits [International Baccalaureate HL]**

(1) IB Physics I is a course that is designed to meet the specifications of the IB Physics program. It offers a combination of lecture/laboratory environment to teach the basic concepts of physics, the topics of mechanics, thermal physics, waves, electricity and magnetism. Prerequisite: Algebra I, one unit of high school science, and completion of, or concurrent enrollment in, a second year of mathematics. (2) IB Physics II offers the opportunity for the student to get a more in-depth look at the topics discussed in IB Physics I. In addition, we will be offering the astrophysics, special and general relativity, and historical physics options. An extended group project will allow the students to experience scientific research first hand. After the completion of these two courses, students will be prepared to take the IB Physics higher level examination. Prerequisite: IB Physics (Lubbock High) (I3050001) (IPHY31), (I3050002) (IPHY41)

**Sports Medicine I, Grades 9-12, 1 Credit**

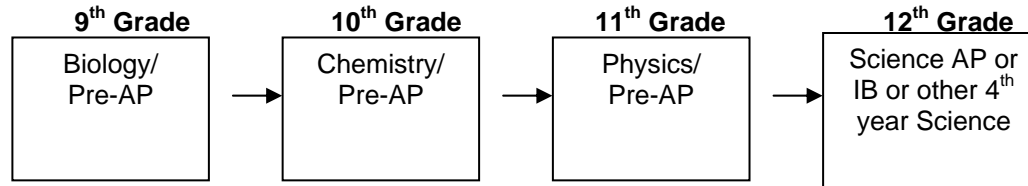
This course is recommended for all students who are preparing for careers in sports medicine, nursing, or physical therapy. The following topics will be included in this course: human anatomy and physiology, Red Cross Basic First Aid certification, application of strapping and bandaging athletes in all sports-related fields, apprenticeship in the administration of therapeutic modalities and rehabilitation of athletes. Manipulative laboratory skills and special research excursions will be included at selected medical sites. Students participate in a balanced exploration of the fundamentals of treatment and prevention of athletic injuries. Prerequisite: teacher approval (Estacado) (N1150040) (SPMR31)

**Sports Medicine II, Grades 10-12, 1 Credit**

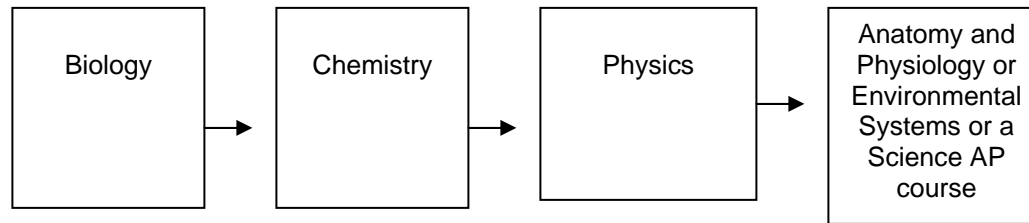
This course is recommended for students who are serious about intense preparation for careers in sports medicine, nursing, or physical therapy. Studies include the following topics: human anatomy and physiology, basic CPR certification, and intrinsic application of strapping and bandaging of athletes in all sports-related fields. Also included is a shadowing or participation in area and local schools as apprenticeship in the administration of sports medicine activities/games and mastering concepts of the theory and administration of therapeutic modalities. Research excursions are included at specific physical therapy clinics and medical sites during the second semester. Students will participate in a balanced exploration of the advanced fundamentals of treating and preventing athletic injuries. Prerequisite: Sports Medicine I and teacher approval. (Estacado) (N1150041) (SPMR41)

## Possible Selections for 9-12 Science (9<sup>th</sup> graders beginning in 2010-2011)

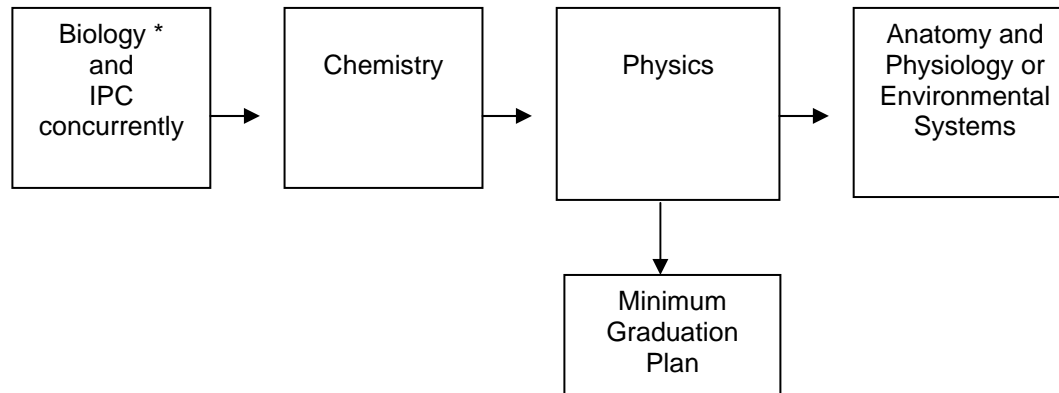
**For Students in  
Advanced Science**



**For Students on the  
Recommended High School  
Graduation Plan**



\*Students who score a 2000  
Or below on the 8<sup>th</sup> Grade Science  
TAKS test will be enrolled in  
Biology and IPC concurrently.



### Courses Offered At Level

#### 9/10

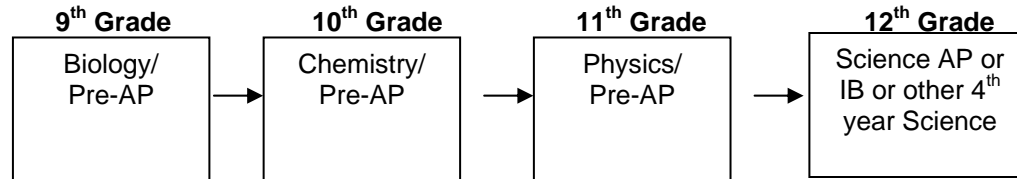
Biology  
Biology Pre-AP  
Chemistry  
Chemistry Pre-AP  
Integrated Physics and  
Chemistry \*\*  
\*\*only for Minimum  
Graduation Plan

#### 11/12

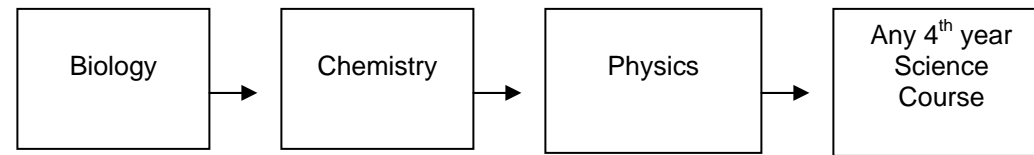
Physics  
Physics IB/ AP  
Biology AP or IB  
Chemistry AP or IB  
Environmental Systems  
AP  
Astronomy\*\*  
Anatomy and Physiology  
Environmental Systems  
Aquatic Science\*\*  
Engineering \*  
\* only at EHS  
\*\*only at LHS

**Possible Selections for 9-12 Science**  
 (Students who are enrolled in 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> Grade in 2010-2011)

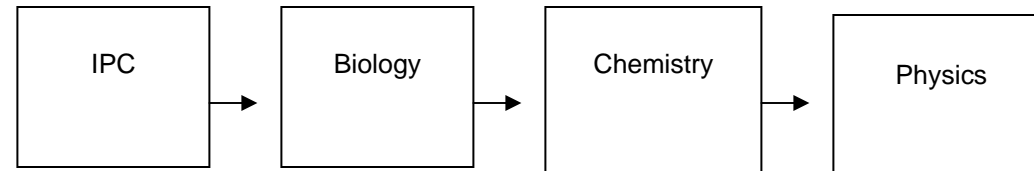
**For Students in  
Advanced Science**



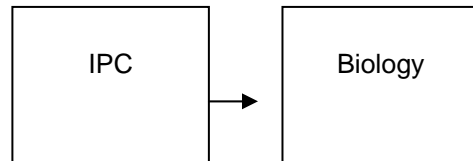
**For Students on the  
Recommended High School  
Graduation Plan**



**OR**



**Minimum Graduation  
Program only**



**Courses Offered At Level**

**9/10**

Biology  
 Biology Pre-AP  
 Chemistry  
 Chemistry Pre-AP  
 Integrated Physics and  
 Chemistry \*\*  
 \*\*only for Minimum  
 Graduation Plan

**11/12**

Physics  
 Physics IB/ AP  
 Biology AP or IB  
 Chemistry AP or IB  
 Environmental Systems  
 AP  
 Astronomy \*\*  
 Anatomy and Physiology  
 Environmental Systems  
 Aquatic Science\*\*  
 Engineering \*  
 \* only at EHS  
 \*\*only at LHS

## SOCIAL STUDIES

### **Economics with Emphasis on Free Enterprise System and its Benefits, Grades 11-12, 1/2 Credit**

This is a survey course of general economic principles. Students will study the production, distribution, and consumption of wealth and learn how different societies deal with the problem of scarcity. Content will also focus on the structure of a free enterprise system and the role of government within the economy of the United States. (03310300) (TECR40)

### **Macroeconomics AP, Grades 11-12, 1/2 Credit [Advanced Placement]**

This course provides students with thorough understanding of the principles of economics that apply to an economic system as a whole. A particular emphasis is placed on the study of national income and price-level determination, and students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics is also developed. Students will build their knowledge base in preparation for the Advanced Placement test given at the end of the course. (A3310200) (TMEH40)

### **European History AP, Grade 12, 1/2 or 1 Credit [Advanced Placement]**

This course is designed to complement English IV AP (world literature). The content will cover European history in its global context from c. 1450 through modern times. Students will study the historical, political, economic, social, intellectual, and cultural developments of Europe through a humanities approach. In addition, students will review the classical civilizations of ancient Greece and Rome to prepare for the AP examination. (Lubbock High) (A3340200) (TAHH31)

### **European History/20th Century World Topics, Grades 11-12, 2 Credits [International Baccalaureate HL]**

(1) IB European History is the first year of a two-year program in history. The course covers European History from the Renaissance through the fall of communism and European unification. The course is discussion oriented and has a heavy writing component. The essential content of AP European history is covered as are primary source analysis associated with both IB and AP exams. Two formal research papers are required, one in the fall and one in the spring. Prerequisite: Admission to the IB Diploma Program (2) The 20th Century World Topics course is the second year complement to the European history class completing a two-year IB curriculum in advanced historical studies. The course will focus on the 20th Century and give special emphasis to topics such as the causes, practices and effects of war, nationalist and independence movements, the rise and rule of single party states and the Cold War. These two courses lead to the IB higher level examination in European History. Prerequisite: IB European History (Lubbock High) (I3301500) (IEUH31) (IWOR41)

### **History of the Americas/20th Century World Topics, Grades 11-12, 2 Credits [International Baccalaureate HL]**

(1) IB History of the Americas is the first year of a two year program in history. The History of the Americas examines not only the major events that have shaped the region's history, but also the peoples of the Americas and their struggles to achieve goals including freedom, equality, and economic opportunity. Some of the topics include the wars of independence and revolution, the search for equality, the fight for political participation of all individuals, foreign diplomacy, demographic shifts, world wars, popular culture changes, and changes in technology that have impacted society. The history of the United States will be a major emphasis, but the histories of Canada and Latin America will also be considered. The course will utilize college-level textbooks, and will also give the students an opportunity to analyze primary source documents. The course will also give the students an opportunity to work on their writing skills, as historical writing is a focus of this course. Prerequisite: Admission to the IB diploma program (2) The 20th Century World Topics course is the second year compliment to the History of the Americas class completing a two year IB curriculum in advanced historical studies. The course will focus on the 20th century and give special emphasis to topics such as the causes, practices, and effects of war, nationalist and independence movements, the rise and rule of single party states and the Cold War. These two courses lead to the higher level examination in History of the Americas. Prerequisite: IB History of the Americas (Lubbock High) (I3301300) (IHAM31) (IWOR41)

**Psychology, Grades 10-12, 1/2 Credit [Regular] [Pre-AP]**

The course content is designed to give students some insights into human behavior, such as factors involved in learning, analysis of behavior patterns which influence human behavior and adjustment to the social environment or cultural group to which they belong. (3350100) (TPSR30) (TPSH30)

**Sociology, Grades 10-12, 1/2 Credit**

The course provides an opportunity for systematic study of individuals, groups, and social institutions. Content includes such concepts as social stratification and mobility; cultural conflict, change, and contact; the structure and function of social institutions; and the role of mores, traditions, and folk ways in a society. (3370100) (TSOR30)

**Special Topics in Social Studies: American Cultures Studies, Grades 10-12, 1/2 Credit**

This course provides an opportunity for the study of selected cultural, racial, or ethnic groups and individuals who have maintained their cultural identities while participating in the larger national society. Content of the course includes a study of backgrounds, traditions, and contributions of selected groups and individuals to the American way of life. (3380002) (TACR40)

**Special Topics in Social Studies: Practical Law, Grade 10-12, 1/2 Credit [Regular] [Pre-AP]**

The course focuses on criminal and civil law, complexities of legal and political issues, the value of the democratic process, and the gap between the ideals and realities of the political and legal system. The course is designed to help students develop individual responsibility in perpetuating the democratic process in our legal system. Students who enroll in the course should be proficient in locating and organizing data independently, in applying critical thinking skills to issues, in participating in group activities and discussion, in using a variety of data-gathering techniques, and in practicing leadership skills. (3380002) (TSSR40) (TSSH40) (Mock Trial) (TSSH50 0338022) (TSSH60 03380032) (TSSH70 03380042)

**Special Topics in Social Studies: Academic Decathlon, Grades 10-12, 1/2 Credit [Pre-AP]**

This course is an elective course corresponding to the changing topic(s) of the Academic Decathlon contest each year. The focus of the course is determined by the USAD materials and guidelines determined yearly. Students have the opportunity to gain in-depth information regarding a particular emphasis in U.S. or a global historical theme. The course is lecture and discussion based with a writing component. Students participating in this course will have been selected to participate on the Academic Decathlon team. (03380002) (TSSA10)

**Special Topics in Social Studies: The Bible's Hebrew Scriptures (Old Testament) and its Impact on the History and Literature of Western Civilization, 1/2 Credit, Grades 9-12 (03380052) (TSSB10)****Special Topics in Social Studies: The Bible's New Testament and its Impact on the History and Literature of Western Civilization, 1/2 Credit, Grades 9-12 (03380052) (TSSB10)**

These courses are elective courses on the Hebrew Scriptures (Old Testament) and the New Testament and their impact on society. The purpose of these courses is to teach students knowledge of biblical content, characters, poetry, and narratives that are prerequisites to understanding contemporary society and culture, including literature, art, music, mores, oratory, and public policy. These courses will familiarize students with the contents, literary style, structure, and influence of the Hebrew Scriptures and New Testament on law, history, government, literature, art, music, customs, and culture.

These courses shall follow applicable law and all federal and state guidelines in maintaining religious neutrality and accommodating the diverse religious views, traditions, and perspectives of students in the school district. A course under this section shall not endorse, favor, or promote, or disfavor or show hostility toward, any particular religion or nonreligious faith or religious perspective.

**Special Topics in Social Studies: World Civilizations, Grades 11-12, 1 Credit [Pre-AP]**

This course is a historical survey of ancient, medieval, and modern civilizations of the world with an emphasis on Latin American, African, Asian, and European cultures. Students will have the opportunity to examine in greater depth the geographic, cultural, and religious influences on humankind from the dawn of man to the present. The course is lecture and discussion based, with a heavy writing component. There is no AP test directly associated, but this course will assist students in preparing for the AP World History exam. (03380002) (TWSR41)

**Comparative Government, Grades 11-12, 1/2 Credit [Advanced Placement]**

This course provides an opportunity to study the United States political system and compare and contrast it with the governments of several European, Asian, African, and South American countries. Studies will include analysis of political institutions, political values and processes as well as the structure and function of the government on both local and national levels. Attention will be paid to cultural influences on political systems, and emphasis will be given to how these foreign political systems compare and contrast with the United States political system. This course can substitute for U.S. Government for LISD graduation requirement. Prerequisite: World Geography. (A3330200) (TACG40)

**United States Government, Grades 11-12, 1/2 Credit [Regular] [Advanced Placement]**

This course provides an opportunity to study in depth the foundation of the United States political system; to analyze the political institutions, processes, and values of the system; to trace the development of the United States governmental system; and to analyze the structure and functions of government on local, state, and federal levels. The content focuses on an analysis of historic documents associated with the political development of the United States and on students' participation and decision-making in civic affairs. (3330100) (A3330100) (TAGR40) (TAGH40) (TAGZ40)

**United States History Since Reconstruction, Grades 10-12, 1 Credit**

The second year of study of United States history includes significant individuals, issues, and events from Reconstruction to the present. The course continues the focus from grade 8 on the history, geography, and political and economic growth of the nation. Students study the emergence of the United States as a world power, how geography influences historical developments, economic development and growth, social and cultural developments, and political development of the United States from Reconstruction to the present. (03340100) (TAMR31) (TAMZ41)

**United States History AP, Grades 11-12, 1 Credit [Advanced Placement]**

In this course students are taught to think critically about the issues that have confronted and influenced the United States through a process that integrates the examination of factual knowledge, the development and application of analytic skills, and the assessment of primary and secondary sources. Students will examine the evolution of the American republic from the initial European incursions into North America to the present. The course is divided into periods of time and focuses on the themes in the *AP Course Description*. Students will prepare for the Advanced Placement test given at the end of the course. This course will fulfill the United States history graduation requirement. (A3340100) (TAMH31)

**Human Geography AP, Grades 9-12, 1 Credit [Advanced Placement]**

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice in preparation for the Advanced Placement test given at the end of the course. (A3360100) (TWAG21)

**World Geography Studies, Grade 9-12, 1 Credit [Regular] [Pre-AP]**

Students study the interaction of people and their physical environments in the major areas of the world. Content introduces the student to the world of geographers, their unique vocabulary, tools, and methodologies, the physical setting of the earth, different landforms and regions of the world, people and geography impact each other, and techniques of urban analysis. (3320100) (TWGR11) (TWGH11)

**World History Studies, Grade 9-12, 1 Credit [Regular] [Pre-AP]**

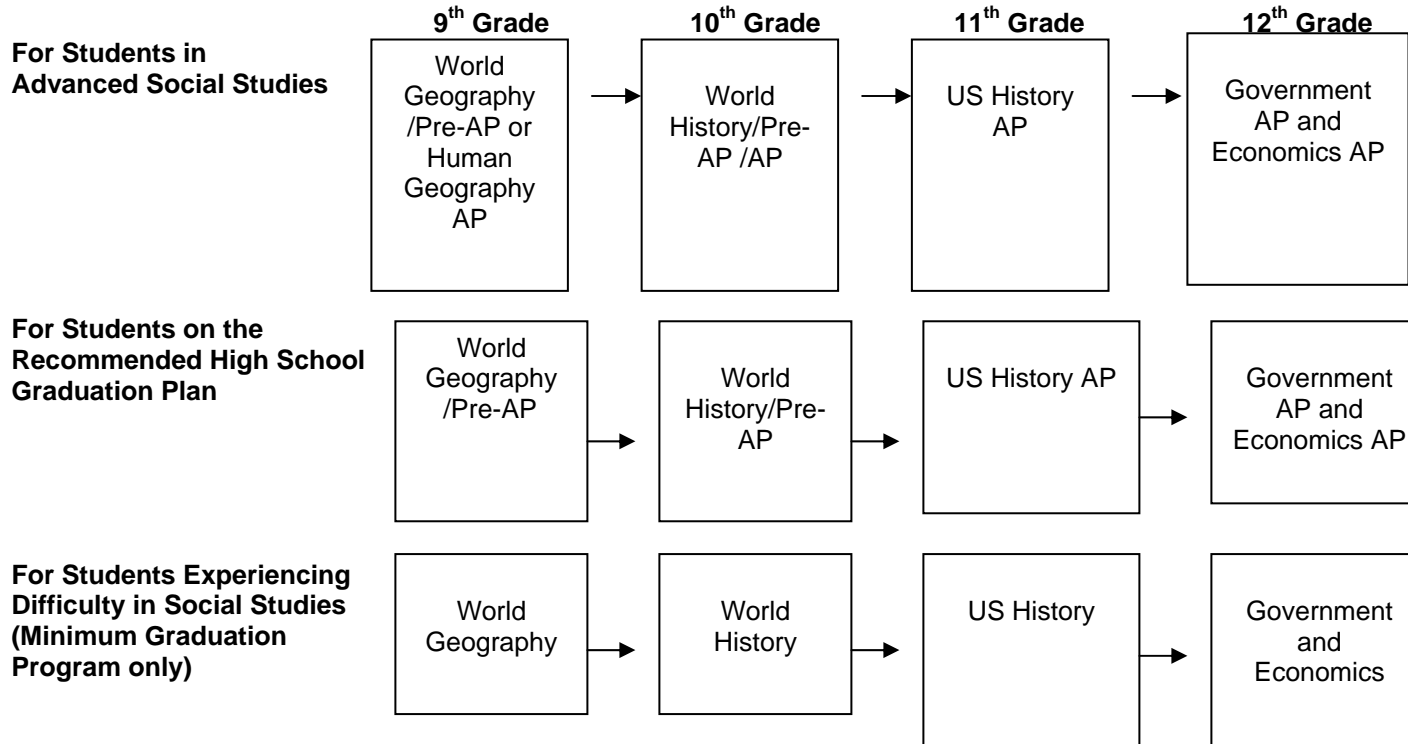
This course content includes the development of early civilizations, western civilization, and other world regions from their early days to the present. The course provides students the opportunity to compare and analyze various ways of life and cultural patterns that reflect the diversity and commonality of human experiences and the understanding of how these patterns occur. Geographic influences on world history are a part of the study. (3340400) (TWHR11) (TWHH11)

**World History AP, Grades 10-12, 1 Credit [Advanced Placement]**

The students will develop greater understanding of the evolution of global process and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies, and emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. Students will gain preparation for the Advanced Placement test given at the end of the course. (A3370100) (TWAH21)

Possible Selections for 9-12 Social Studies

**SOCIAL STUDIES**



**Courses Offered At Level**

**9/10**  
 World Geography  
 World Geography Pre-AP  
 Human Geography AP  
 World History  
 World History Pre-AP  
 World History AP  
 European History AP

**11/12**  
 US History  
 US History AP  
 US Government  
 US Government AP  
 Economics  
 Economics – Macro AP  
 Psychology (Pre-AP)  
 Sociology

**Graduation Requirements**  
 1 credit World Geography  
 1 credit World History  
 1 credit US History  
 .5 credit Government  
 .5 credit Economics

## TECHNOLOGY APPLICATIONS

### **Architectural Design, Grades 10-12, 1-2 Credits** *(Tech Prep)*

In this course students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural design includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes. (13004600)

### **Advanced Architectural Design, Grades 11-12, 2-3 Credits** *(Tech Prep)*

In this course students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Advanced Architectural design includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes. (13004700)

### **Animation, Grades 10-12, 1-2 Credits** *(Tech Prep)*

This course focuses on developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster. Students will be expected to develop an understanding of the history and techniques of the animation industry. Careers in animation span all aspects of motion graphics. (ATC) (13008300)

### **Advanced Animation, Grades 11-12, 1-2 Credits**

In this course, students develop advanced knowledge and skills for success in the Arts, Audio/Video Technology & Communications career cluster. Students will create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry. Careers in animation span all aspects of motion graphics. (ATC) (13008400)

### **Audio/Video Production, Grades 10-12, 1-2 Credits** *(Tech Prep)*

In this course students will develop an understanding of the Audio/Video industry with a focus on pre-production, production and post-production audio and video activities in an authentic setting at LISD-TV and taught by LISD-TV staff. Students will also learn knowledge and skills needed for success in the Arts, Audio/Video Technology & Communications career cluster. Careers in audio and video technology and film production span all aspects of the audio/video communications industry. (ATC/LISD-TV) (13008500)

### **Advanced Audio/Video Production, Grades 11-12, 2-3 Credits**

In this course students will develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. Classes will be taught at LISD-TV by LISD-TV staff. (ATC/LISD-TV) (13008600)

### **Business Information Management I, Grades 9-12, 1-2 Credits** *(Tech Prep)*

In this course students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop spreadsheets, formulate databases, and make electronic presentations using appropriate software. (13011400)

### **Business Information Management II, Grades 11-12, 1-2 Credits** *(Tech Prep)*

In this advanced course students continue the process of implementation of personal and interpersonal skills and apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software. (13011500)

**Principles of Information Technology, Grades 9-10, 1/2 -1 Credit (Tech Prep)**

In this course students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment. (13027200)

**Computer Programming, Grades 10-12, 1/2-1 Credit (Pre-AP)**

In this course students acquire knowledge of creating appropriate documentation using JAVA. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of merging technologies. Recommended prerequisite: Principles of Information Technology. Required prerequisite: Successful completion of Algebra I and successful completion or concurrent enrollment in Geometry. (13027600)

**Advanced Computer Programming, Grades 10-12, 1-2 Credits, (AP)**

In this course students expand their knowledge and skills in varied programming techniques and concepts by addressing more complex problems and developing comprehensive programming solutions using JAVA. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of merging technologies. (13027700)

**Computer Science, Grades 9-12, 1 Credit [Regular] [Pre-AP] [Lubbock High PRE-IB]**

In this course students will investigate the science of computing and programming methodologies using various environments and ideologies primarily using JAVA programming language to examine object oriented programming. This course may not substitute for a science credit. Prerequisites: Successful completion of Algebra I and successful completion or concurrent enrollment in Geometry (3580200) (BCSR21) (BCSH21) (BCSI21)

**Computer Technologies, Grades 10-12, 2-3 Credits [Pre-AP] (Tech Prep)**

In this course students gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society. The critical thinking, information technology experience, and product development may be conducted either in a classroom setting with an instructor, with an industry mentor, or both (ATC) (13027300)

**Digital and Interactive Media, Grades 10-12, 1/2-1 Credit (Tech Prep)**

In this course students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve problems. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. (13027800)

**Digital Graphics and 3D Design, Grades 10-12, 1 Credit**

This course focuses on today's and future applications of digital media. Many types of computer images in both 2D and 3D will be created through modeling and rendering processes including elements and principles of design towards digital composition. Graphics software with technology equipment of scanners, electronic stylus/tablets, Internet, and color laser printers will be used. Professional portfolios will be developed on CDs. (ATC) (3580500) (EDGR21)

**Engineering Design & Presentation, Grades 10-12, 1-2 Credits [Pre-AP] (Tech Prep)**

In this course, students will learn knowledge and skills of the process of design as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas. (13036500)

**Advanced Engineering Design & Presentation, Grades 11-12, 2-3 Credits [Pre-AP] (Tech Prep)**

This course will provide students the opportunity to master computer software applications in a variety of engineering and technical fields. This course further develops the process of engineering thought and application of the design process. (13036600)

**Introduction to Geographical Information Systems (GIS), Grades 10-12, 1/2-1 Credit [Pre-AP]**

This course uses programs (i.e. Google Earth and ArcGIS) to analyze different kinds of information visually. The purpose is to introduce students to basic cartography (map making) and careers using GIS and Remote Sensing technology through academic study and applied instruction. Students will participate in exercises based on real-world data. (ATC) (N1302805)

**Geographic Information Systems, Grades 10-12, 1/2-1 Credit [Pre-AP]**

This course builds on the skills learned in the Introduction to Geographical Information Systems and applies toward certification. Students will follow a course of hands-on instruction to learn skills in digital mapping, 3D mapping and image analysis (ATC) (N1302806)

**Spatial Technology and Remote Sensing, Grades 10-12, 1/2-1 Credit**

This is a project-based class that requires students to produce a Geographic Information System/Remote Sensing project that integrates project planning, geographic problem solving, GIS software applications, data creation and manipulation, and project management. (ATC) (N1302807)

**Graphics Communication and Design, Grades 10-12, 1 Credit**

This course introduces the student to the art of page layout designs, graphic design techniques and photo editing. Instruction includes creating original artwork and a variety of original desktop publishing documents, such as business cards, logos, newsletters, posters, magazines, brochures, and calendars to name a few. Students will also create web pages and web animations for internet publications (ATC) (350400) (EDPR21)

**Telecommunications and Networking, Grades 10-12, 1-2 Credits [Pre-AP] (Tech Prep)**

In this course students develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. (ATC) (13027400)

**Video Technology, Grades 10-12, 1 Credit**

Students will learn the basics of video technology and participate in the pre-production, production, and post-production stages of video creation, distribution and evaluation of the product. Since video production is not only instructional and analytical, but also artistic, students will learn to use special effects and animation to enhance video production. (ATC) (3580700) (EVTR21)

**Web Technologies, Grades 10-12, 1/2-1 Credit (Tech Prep)**

In this course students learn to make informed decisions and apply the decisions to the field of information technology through the study of web technologies and design. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. (ATC) (13027900)

## STUDENT TEEN LEADERSHIP

### **Student Leadership, Grades 9-12, 1/2-1 Credit**

This course provides opportunities to study, practice and develop group and individual leadership and organizational skills. These skills include decision-making skills, problem-solving techniques, communication skills, leadership roles, human relationship skills and understanding the need for civic responsibility. (N1290010) (LECR30)

## ESTACADO HIGH SCHOOL PROFESSIONAL CAREERS MAGNET PROGRAM

### Army Junior ROTC Engineering Programs Law & Justice Medical Professions

The Estacado High School Professional Careers Program includes:

- Courses for students interested in Advanced Placement and/or dual credit
- Courses for students interested in local, state, and federal criminal justice careers as well as professional law careers
- Courses for students interested in allied health, dental, medical, medical business administration, nursing, sports medicine or veterinary careers
- Clinical and field-based experiences relating to careers in the fields of Law and Justice, Medicine, Military and Engineering
- Regular courses as offered at all other high schools in Lubbock ISD

All regular courses are described in the comprehensive course offerings bulletin.

In addition to the Texas state-required academic courses, EHS Professional Careers Magnet curriculum provides a well-balanced college preparatory and school-to-work program which focuses on educational real-life work experiences for students with a special interest in the areas of engineering, law, medicine, and the military. Students in the Professional Careers Magnet may elect to participate in the Technical Preparation (Tech Prep) curriculum of South Plains College (SPC) or dual credit, as well as specialized courses offered only at EHS. Students register through South Plains and are able to complete college level classes and receive both high school and college credit. This participation affords Estacado students the opportunity to enroll concurrently at the college and Estacado for high school dual credit, deferred college credit, or both. Estacado students can take advantage of magnet courses along with the numerous electives, Advance Placement classes, and student activities through the 10 period bell schedule.

High school credit for college courses may be earned by Estacado High School seniors who rank in the upper twenty-five percent of their class and receive recommendation by the Estacado High School administration. Students may enroll for designated classes at Texas Tech University and earn high school and college credit for courses in which they achieve a designated level of mastery or grade. To receive high school credit, students may only enroll in courses that have received prior approval by the Texas Education Agency.

Dual credit courses are also offered in collaboration with South Plains College and Texas Tech University. In conjunction with SPC, EHS is currently offering college classes through Interactive Two-Way Video (ITV) on campus. This allows students additional opportunities to access dual credit opportunities while attending classes on the Estacado campus. Dual credit courses offer students an opportunity to earn both high school and college credit. Students must maintain a designated grade in order to receive credit.

#### I. Eligibility

Estacado High School's Professional Careers Magnet is designated as a regional magnet school by the Lubbock Independent School District. Students from the entire South Plains region are eligible to apply for admission to the Professional Careers Magnet Program. Students must apply and be approved to be considered for the program. The qualifications for students seeking admission are:

- An interest in law, medicine, the military and engineering
- Strong academic background, as evidenced by standardized test scores and previous academic performance
- Excellent conduct and attendance records
- Recommendation by current administration

#### II. Course Offerings

##### A. Regular Courses

Courses listed in the regular course offerings bulletin (including Advanced Placement courses) will be available to Professional Careers Magnet Program students.

##### B. Law & Justice Magnet

- Business Law
- Career Preparation
- Courts & Criminal Procedures (field trips and excursion)
- Crime in America (field trips and excursion)
- Fundamentals of Criminal Law (field trips and excursion)
- Introduction to Criminal Justice Careers (field trips and excursion)
- Law and Justice I & II
- Law and Justice I & II Preceptorship\* (excursion)

\*Preceptorships are supervised field-based experiences in various law and law-related settings throughout the community. Sites will include legal operation facilities, local, state, and federal agencies, Attorney General's office, District Attorney's office, and other Lubbock legal sites.

##### C. Medical Professions Magnet

- Anatomy and Physiology (field trips and excursion)
- Career Prep
- Certified Nurse's Aide
- Health Science Technology I (excursion and field trips)
- Health Science Technology II & III (preceptorship\*, field trips and excursion) (waiver for Physical Education available)
- Introduction to Health Science Technology (field trips and excursion)
- Medical Microbiology (field trips)
- Pathophysiology
- Science Independent Study (field trips and excursion)
- Sports Medicine I & II (athletic training trips, preceptorship\* and excursion)

\*Preceptorships are supervised experiences which allow medical professions magnet students opportunities in various areas of allied health, dental, medical, nursing, research and development, and veterinary careers. Preceptorships occur at various medical facilities throughout the city during the regular school day. Research and development preceptorships occur in laboratories at Texas Tech Health Sciences Center.

D. Engineering Magnet

- Engineering: The Digital Future (Project Infinity)
- Introduction to Technology in Engineering
- Project Management and Basic Engineering\* (preceptorships\*\* and excursions)
- Engineering Science Management

\*Project based engineering allows students the opportunity to apply skills learned in previous classes to a project which emphasizes the complete engineering design process.

\*\*Preceptorships are supervised experiences which allow engineering professional magnet students opportunities to work with professionals in various areas of engineering. Preceptorships occur in various engineering firms and facilities through out the city during the regular school day.

E. Army Junior ROTC

The JROTC program prepares high school cadets for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. The program is a stimulus for promoting graduation from high school, and it provides instruction and rewarding opportunities that will benefit the cadet, community, and nation. While no military obligation is incurred, satisfactory completion of the program can lead to advanced placement credit in the Senior ROTC program or to advanced placement in the Armed Forces. Satisfactory completion can also lead to a full ROTC college scholarship and will significantly enhance a cadet's application for one of the service academies, such as West Point. The JROTC program may serve to fulfill partial or full physical education credit. Prerequisites: Completion of Leadership Education Training 1 (LET 1) before enrollment in LET 2. Completion of LET 2 before enrollment in LET 3 or LET 4.

- **Pass math and reading TAKS from previous year**
- Citizenship and American History
- Foundations for Success
- Geography and Earth Science
- Introduction to JROTC
- Leadership Theory
- Marksmanship
- Wellness, Fitness, and First Aid

F. Advanced Classes

**Requirement for all Advanced Classes**

Students must meet the following requirements to be eligible for Advanced Placement courses:

- Pass all portions of the TAKS test
- Recommendation of a teacher, counselor, or administrator
- Pre-Advanced Placement coursework
- B average in regular coursework

a. Advanced Placement (AP) Courses:

Refer to XX in this booklet for a more detailed explanation of the Advanced Placement courses. Each of these courses receives **one extra grade point per semester course**. The following Advanced Placement courses are offered at Estacado High School:

Biology	Economics	French	Psychology
Calculus A & B	English III	Government	Spanish
Chemistry	English IV	U.S. History	Statistics
Computer Science II	Environmental Science	Physics	Studio Art

The courses below at Estacado High School (refer to XX B) are preparatory for Advanced Placement courses, but no AP examinations are taken at the end of the courses. All Pre-AP courses in grades 9-12 receive **one extra grade point per semester**.

Algebra II	English I & II	World Geography
Biology	Geometry	World History
Chemistry	Integrated Physics & Chemistry	
Computer Science I	Precalculus	

b. EHS Academic Classes

The classes below are offered only at Estacado High School. They are advanced classes and receive one-half extra grade point per semester course.

Anatomy & Physiology - Medical	Health Science Independent Study
Courts & Criminal Procedures	Health Science Technology I, II, III
Crimes in America	Law and Justice I, II
Introduction to Criminal Justice Careers	Law and Justice Preceptorship I, II
Fundamentals of Criminal Law	Medical Microbiology
Engineering Science Management	Pathophysiology
Engineering: The Digital Future	Project Management and Basic Engineering
Forensic Investigation	Sports Medicine I, II
Introduction to Health Science Technology	Introduction to Technology in Engineering
Introduction to Criminal Law	Emergency Medical Technical (EMT)

G. Enriched Courses

Entrance requirements for all enriched programs:

- Pass math and reading TAKS from previous year
- Have an overall grade point average (GPA) of 3.2

The following programs are available at Estacado High School:

1. Art:	Medical Illustrations
2. Business:	Business Law
3. Foreign Languages:	Spanish I, II, III, Latin I, II with emphasis on medical terminology French I, II, III
4. Magnet Electives:	Art III: Architectural Delineation Medical Terminology Medical Microbiology Pathophysiology Sports Medicine I, II Health Science Independent Study Emergency Medical Technician (EMT)

H. Field Trips and Excursions

The professional careers magnet program takes unique field trips and excursions designed to enrich the academic curriculum at Estacado High School. The medical, law, and engineering students get an opportunity to visit state-of-the-art medical, engineering, and law facilities as well as outstanding academic programs across the state. In addition, the JROTC program provides students an opportunity to not only visit a military facility, but an avenue in which to compete in military drills.

I. Admission requirements for Estacado High School's Professional Careers Magnet include:

1. Pass math and reading TAKS from previous year
2. Have an overall grade point average (GPA) of 3.2 and the recommendation of present principal and/or former principal

3. Meet criteria listed below for admission to Advanced Placement courses:

- English – No grade below a B in English the year prior to entering the program
- Math – No grade below a B in Math the year prior to entering the program
- Science – No grade below a B in Science the year prior to entering the program
- Social Studies – No grade below a B in Social Studies the year prior to entering the program

## **LUBBOCK HIGH SCHOOL LUBBOCK EXEMPLARY ACADEMIC PROGRAM**

The Lubbock High School program includes four components:

- Regular courses as offered at all other high schools in Lubbock
- Courses for academically talented students (special entrance requirements listed on the following page)
- Courses for students eventually going into professional fields
- Courses available only at Lubbock High School

All regular courses are described in the comprehensive course offerings bulletin. Specialized advanced courses, especially in math and science, are offered for students who eventually may be interested in professional fields.

High school credit for college courses is allowed as part of the Lubbock High School LEAP Magnet Program. These classes are taken at the Texas Tech campus. Lubbock High School juniors and seniors who rank in the top ten percent (10%) of their class and have taken and scored eleven hundred eighty (1180) on the reading and math portions of the SAT or twenty-seven (27) on the ACT and are recommended by the Lubbock High School staff may also attend Texas Tech University for designated classes and count the completed course work for high school credit and university credit. For summer enrollment, a student must be a senior in the top twenty-five percent (25%) of his or her class with at least an eleven hundred forty (1140) on the reading and math portions of the SAT or twenty-five (25) ACT score, or a junior in the top ten percent (10%) of his or her class with at least an eleven hundred eighty (1180) SAT or twenty-seven (27) ACT score. Students enrolled in the LEAP program who do not meet the requirements for special admission (i.e., rank in class) will have their records reviewed to determine other factors that may influence their success in college-level courses. Students must also show documentation of compliance with the THEA requirement by THEA test scores or proof of exemption. To receive high school credit, a student must take classes that are approved by TEA and that he/she has not previously taken at the high school level; however, all courses taken at the university must be approved by the Lubbock High School staff. Lubbock High School also offers its students the opportunity to earn dual credit for classes taught on the Lubbock High School campus. These college credit courses are taught in many of the LEAP-AP/IB classrooms. Lubbock High School also has a level of advanced classes called LEAP Academic classes in which students receive one-half extra grade point per semester course.

Lubbock High School offers the International Baccalaureate Diploma Program. The IB Diploma program is an internationally recognized challenging curriculum for highly motivated juniors and seniors. IB teaches students to relate classroom experiences to the realities of the world and places a strong emphasis on ideals of international understanding and responsible citizenship. The IB diploma prepares students for any university in the world, and passing scores on the IB exams can aid students in qualifying for the Texas Distinguished Achievement Program and in gaining college credits. In state supported colleges and universities in the state of Texas, students who earn an IB diploma and score at least 4 in all 6 areas will be awarded 24 college credit hours towards their degree. Students with an IB diploma who are admitted to Texas Tech University will receive automatic admission into Texas Tech's Honor College. In order for a student to earn the IB Diploma, he/she must complete the course work in six different areas, sit for the corresponding exams, complete a 4,000-word original research project, participate in a Theory of Knowledge class, and complete 150 hours of creativity-action-service. A student must be an IB diploma candidate in order to take an IB course. For more detailed information, please contact Lubbock High School for an IB brochure.

Lubbock High School has a four-day academic week, with Friday devoted to enriched activities which augment core course content. Students will be scheduled for a minimum of four (4) hours on Friday.

I. Eligibility

Students from the entire school district are eligible for admission to the Lubbock High School Program. Students may gain entry into the LEAP enriched program by application with their principal's recommendation. Students wanting a LEAP advanced class must meet the criteria set for these programs. An 80 average for the first semester of the course is recommended for continuation the second semester. Non-resident students must be enrolled in at least one LEAP class each year in order to be eligible to attend Lubbock High School.

II. Course Offerings

A. Regular Courses

Courses listed in the regular course offerings bulletin will be available to students who transfer to Lubbock High School.

B. Advanced Classes

Advanced classes, with a standard of entrance higher than in other high schools, will be scheduled at Lubbock High School.

LEAP Advanced Placement/International Baccalaureate Courses:

Refer to XX in this booklet for a more detailed explanation of the Advanced Placement courses. Each of these courses receives one extra grade point per semester course. The following Advanced Placement and IB courses are offered at Lubbock High School:

Advanced French/IB (SL/HL)	Chemistry/IB (SL)	Math SL/IB with Precalculus & Calculus
Advanced German/IB (SL/HL)	Computer Science II/IB (SL/HL)	Math Higher Level IB (HL) (Includes Calculus)
Advanced Latin/IB (SL/HL)	Economics	Music IB (SL/HL)
Advanced Spanish/IB (SL/HL)	*English III	*Physics
Art III Appreciation/History	*English IV/IB (HL)	*Physics B & C IB (HL)
Two-Dimensional Design	Government	Statistics
Three-Dimensional Design	History of the Americas/World Topics	Theater Arts/IB (SL)
Visual Arts/IB (SL/HL)	U.S. History	Human Geography
*Biology	Chemistry/IB (SL)	World History
*Biology/IB (HL)	Theory of Knowledge/IB	
Calculus AB/BC	Math Studies/IB(SL) with Precalculus	
European History/IB (HL) see below (IB European History and *World Topics)		

\*To receive IB higher level (HL) credit, courses must be taken in sequence over a two-year period.

## LEAP Pre-AP

The courses listed below are preparatory for Advanced Placement/International Baccalaureate, but no AP examinations are taken at the end of the courses. All Pre-AP/IB courses in grades 9-12 receive **one extra grade point per semester**.

Algebra II	English I & II	Precalculus
Biology	Geometry	Physics I
Chemistry	Human Geography	World History
Computer Science I	IPC	

Requirements for All Advanced Classes:

Entrance requirements for LEAP

1. Pass all portions of TAKS.
2. An overall grade point average (GPA.) of 3.5 and the recommendation of present principal and/or former principal.
3. After meeting the overall entrance requirements ("a" and "b") for LEAP, a student must meet the following criteria for entrance into a LEAP course.
  - a. English - No grade below a B in English the year prior to entry into the program
  - b. Math - No grade below a B in math the year prior to entry into the program
  - c. Science - No grade below a B in science the year prior to entry into the program
  - d. Social Studies - No grade below a B in social studies the year prior to entry into the program

### LEAP Academic Classes

The classes below are offered only at Lubbock High. They are advanced classes but do not follow the entire Pre-AP or Advanced Placement curricula. These classes receive one-half extra grade point per semester course. Although these courses are open to any student who meets the eligibility requirements, students may not transfer to Lubbock High School for these LEAP Academic courses.

Algebra II	Economics	English IV	Aquatic Science
Biology	English II	Government	Astronomy
Chemistry	English III	U.S. History	Geometry
Geology, Meteorology, and Oceanography			Pre-Calculus

Requirements for LEAP Academic Classes:

1. An overall grade point average (GPA) of 3.2
2. No grade below a B (80) in the subject requested in the year prior.

### C. Enriched Programs

In order to meet entrance requirements for all enriched programs the student must have passed all portions of the TAKS and maintain a grade point average (GPA) of 3.2.

The following programs will be scheduled only at Lubbock High School:

1. Art:
  - Life Drawing
  - Fashion Illustrations
  - Sculpture
  - Appreciation/Hist.: Survey of the Fine Arts
2. Athletics:
  - Gymnastics
  - Advanced Gymnastics

- |    |                  |  |
|----|------------------|--|
| 3. | Dance:           | Ballet and Advanced Ballet<br>Modern Dance<br>Jazz   |
| 4. | Horticulture:    | Horticulture   |
| 5. | Science:         | Aquatic Science Academic <ul style="list-style-type: none"> <li>• with a field trip to the Texas Gulf Coast for students who excel in this class</li> </ul> Astronomy Academic <ul style="list-style-type: none"> <li>• with field trips to the McDonald Observatory near Fort Davis, White Sands Missile Range, Holloman Air Force Base, and Cambridge Solar Observatory at Sunspot, New Mexico, or other sites for students who excel in this class</li> </ul> Geology, Meteorology, and Oceanography Academic <ul style="list-style-type: none"> <li>• with field trips to Carlsbad, Guadalupe, and Big Bend National Parks, or other sites for students who excel in this class</li> </ul> |
| 6. | Social Studies:  | European History AP  |
| 7. | Navy Junior ROTC |  |