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## 2023-2024 Lufkin High School Advanced Academics

Dual Credit Courses	Advanced Placement Courses
<b>English</b>	<b>English</b>
ENGL 1301 Composition I	English Language AP
ENGL 1302 Composition II	English Literature AP
ENGL 2311 Technical & Business Writing	
ENGL 2323 British Literature	
<b>Math</b>	<b>Math</b>
MATH 1324 Mathematics for Business & Social Sciences	AP Calculus AB
MATH 1342 Elementary Statistics	AP Calculus BC
	AP Statistics
<b>History</b>	<b>History</b>
HIST 1301 U.S. History I	AP U.S. History
HIST 1302 U.S. History II	
Psychology 2301 General Psychology	AP European History
Psychology 2314 Life Span Growth and Development	AP World History
ECON 2301 Principles of Macroeconomics	AP Economics
GOVT 2305 Federal Govt & GOVT 2306 Texas Govt	AP Government
<b>Communications</b>	
SPCH 1315 Public Speaking	
<b>Science</b>	<b>Science</b>
BIOL 2404 Anatomy and Physiology I	AP Biology
BIOL 1408 Biology II for Non Science Majors	AP Chemistry
BIOL 1409 Biology II for Non Science Majors	AP Physics
BIOL 1406 Biology for Science Majors	AP Environmental Science
BIOL 1407 Biology for Science Majors	
<b>Drafting and Design Technology</b>	
DFTG 1405 Technical Drafting	
DFTG 1409 Basic Computer-Aided Drafting	
DFTG 1417 Architectural Drafting-Residential	
DFTG 1325 Blueprint Reading	
<b>Computer Networking</b>	<b>Computer Science</b>
CMPT 1311 Introduction to Computer Maintenance	AP Computer Science Principles
ITNW 1325 Fundamentals of Networking Technologies	AP Computer Science A
<b>Welding</b>	
WLDG 1428 Introduction to Shielded Metal Arc Welding	
WLDG 1457 Intermediate Shielded Metal Arc Welding	
WLDG 2443 Advanced Shielded Metal Arc Welding	
WLDG 2413 Intermediate Weld Using Multiple Processes	
<b>Arts</b>	<b>Arts</b>
ARTS 1301 Art Appreciation	AP Art History
	AP Studio Art 2
	AP Studio Art 3
	AP Art Drawing
<b>Criminal Justice</b>	
CRIJ 2314 Criminal Investigations	
CRIJ 2328 Law Enforcement II	
<b>Foreign Language</b>	<b>Foreign Language</b>
SPAN 1412 Beginning Spanish II * course bypass required	AP Spanish Language
SPAN 2311 Intermediate Spanish I	

## ACADEMIC INFORMATION

### CLASSIFICATION OF STUDENTS

Students are classified by the number of accumulated credits in grades 9 through 12. Classification of students is determined at the beginning of each school year and is based on the number of credits the student has earned the previous year and in summer school. Students are classified as freshmen if they are promoted or placed from the eighth grade. The following credits are needed for grade-level classification:

Grade	Credits Needed
10th	5
11th	12
12th	21
Credits needed to graduate 31	

### DEFINITIONS

A quarter = 9 weeks/one half credit

A term = 18 weeks/one full credit

There are 4 quarters per school year.

There are 2 terms (fall, spring) per school year.

### CLASS LOAD

With the exception of fifth year seniors, all students must be full time students registered in five class periods, or the equivalent.

### CREDIT

Credit is awarded in a term class by averaging the first and second quarters; one credit is awarded if the average of the two quarters is 70 or above. No credit is awarded if the average is below 70, even if one quarter has a passing grade. One-half (1/2) credit is awarded in a 9-week (quarter) class if the final average is 70 or above. Credit is awarded in a year-long, single credit course by averaging the first and second terms; one credit is awarded if the average of the two terms is 70 or above. No credit is awarded if the average is below 70, even if one term has a passing grade.

### EOC

Students entering the ninth grade during the school year 2011-2012 and beyond must demonstrate satisfactory performance on the STAAR EOC assessments in English I, English II, Algebra I, Biology, and U.S. History if enrolled into these courses.

As required now in Title 19 of the Texas Administrative Code (TAC), 101.3011, students who have completed STAAR EOC assessments while in middle school must take either the ACT or the SAT once to fulfill federal testing requirements.

### FAFSA

Beginning with students enrolled in 12th grade during the 2021-2022 school year, each student must do one of the following in order to graduate:

- Complete and submit a Free Application for Federal Student Aid (FAFSA)
- Complete and submit a Texas Application for State Financial Aid (TASFA)
- Submit a signed opt-out form

### HONOR GRADUATES

To be eligible for Valedictorian or Salutatorian designation, a student must be continuously enrolled at Lufkin High School for the final two school years. Foreign exchange students are not eligible for honor graduate status.

### Advanced/AP/DC Courses

Advanced, AP, (Advanced Placement), and Dual Credit classes offer the college-bound student a challenging and demanding curriculum. The curriculum is college-prep in nature and requires a large amount of outside class reading and study.

Students who select these classes should be prepared for an increase in work level and study time outside of class.

Advanced, AP, and dual credit classes are weighted for GPA purposes. In order to receive weighted credit, a student must be in the course on campus for the entire semester. A student entering an alternate program (homebound, alternative school, etc.) may not be eligible for weighted credit, since the student does not participate in the research-intensive course of study outside the classroom, the student's schedule may be changed to reflect the regular-level course. Only AP, Advanced and dual credit grades approved by Lufkin ISD will receive weighted credit when transferring grades from another district. Students and parents must sign a unilateral contract for participation in Advanced AP, and Dual Credit classes.

Advanced and AP students may request a schedule change from the grade level counselor to a regular level class of that subject utilizing the following schedule:

Time Frame	18-week class	36-week class
Weeks 1-3	no changes	no changes
Week 4	yes, no conditions	yes, no conditions
Weeks 5-9	yes if failing	yes, no conditions
Weeks 10-18	no	yes, if failing
Weeks 19-36	---	no

If a student is changed from a Advanced or AP class to a regular level class, no adjustments will be made in the grade to reflect that it was earned in a Advanced or AP class. Regular level grade points will be granted.

### ADD/DROP PROCEDURES:

After the scheduled dates to officially change schedules have passed, the following reasons to change a schedule will be allowed:

- 1) Technical errors, 2) Prerequisite classes missing, 3) Course not in sequence. Students must complete an official schedule change form from the Counseling Center.

### LUFKIN EARLY COLLEGE HIGH SCHOOL

Lufkin Early College High School is a partnership between Lufkin High School and Angelina College to provide students the opportunity to complete core course requirements or work towards an Associates of Arts or a Level I certificate at no cost. Students may enter the program by completing the application process during the spring of the 8th grade year, and meeting the passing standards on the TSI before entering dual credit courses. Students must submit an application to be accepted into the Early College High School program. Each year, up to 135 students will be selected for the Lufkin Early College High School by a weighted lottery process.

### THE STEM ACADEMY

Lufkin ISD has partnered with Stephen F. Austin State University to offer The STEM Academy. The STEM Academy focuses on math and science in relation to the fields of general STEM, medical, and engineering. The program is designed to challenge students who have shown outstanding skills and knowledge in these disciplines. The following general information is required of students in The STEM Academy: 1) Enroll and successfully complete Algebra 1 in the 8th grade year. 2) Complete a series of applications requirements 3) Complete the required interview process. Contact the counseling office for entrance criteria and further information concerning The STEM Academy.

### GPA/CLASS RANK

All grades, excluding concurrent courses, are used in determining GPA (grade point average) and class rank. Numerical grades are averaged with the weighted GPA determining class rank.

The course weighting system is a multiplier of .9 for content modified courses, 1.0 for regular courses, 1.08 for Advanced and CTE dual credit courses, and 1.14 for AP and Academic dual credit courses. If the student does not take the AP exam, the grade will be weighted 1.08.

### MID-YEAR GRADUATION

Students requesting mid-year graduation must submit an application and letter to the principal in the Spring semester preceding the desired graduation year. All five sections of the STAAR-EOC must be passed to qualify for mid-year graduation. See the Student Handbook for more details and grade level counselor for an application.

### COOPERATIVE EDUCATION PROGRAMS

#### ADMISSION PROCEDURE:

Placement in a Career and Technology Co-operative Program is a process that involves counseling the student with options for possible careers. Students must be 16 years old and juniors or seniors. Admission criteria are: (1) desire for training, (2) attendance record, (3) academic ability, and (4) enrollment will be limited to available space. Co-operative Education is a full year course. Entry is not permitted after the first week of school. Course request forms are available in the counseling center or the Career and Technology Office.



## **INFORMATION FOR NCAA CERTIFICATION**

1) Graduate from high school.

2) College-bound student-athletes first entering an NCAA Division I college or university on or after August 1, 2016, will must meet academic rules in order to receive athletics aid (scholarship), practice or compete during their first year including a grade point average of at least a 2.3.

Ten of the 16 core courses must be complete before the seventh semester (senior year) of high school and seven of the 10 core courses must be in English, Math, or Science.

English Core .....4 credits

Math Core .....\*3 credits

Science Core .....2 credits

Social Science Core .....2 credits

From English, Math or Science .... 1 credit

Additional Core .....\*\*4 credits

Total Core Units .....16 credits

\*Note: For students enrolling as college freshmen, Division I certification requires 3 years of math, (Algebra I or higher).

\*\* To be chosen from: English, Math, Science, Social Science, Foreign Language, Philosophy, or Nondoctrinal Religion.

Only courses approved on Lufkin High School's "List of NCAA Approved Core Courses" can be used to calculate GPA for the NCAA.

## **CREDIT BY EXAMINATION I (Examination for Acceleration)**

Credit By Exam I provides students with the opportunity to earn credit without taking the class. Students will be given, at no cost to the student an examination. If no test is available, a locally developed test may be provided. Notification of testing dates will be made twice a year, once in the fall and once in the spring. The student must score 80% or above on the examination. No honors credit will be given. A student may take a subject test once during each testing period. The examination grade will be calculated in the student's GPA. Textbooks, copies of Texas Essential Knowledge and Skills and tutoring will not be provided to students who take exams for acceleration. Students gaining credit through credit by exam with the 80% required will be exempt from the subject specific STARR EOC.

## **CREDIT BY EXAMINATION II (Prior Instruction)**

Credit by examination II is used for granting credit to students who have previous instruction but did not receive credit for the course because of a numerical grade of less

than 70, but above 60; excessive absences; seeking transfer credit from a non-accredited school, or seeking credit from courses taken through home-schooling. The test is offered through Texas Tech, or University of Texas with the cost paid by the student. The student must score 70 or better to earn credit. The grade of 70 or above will be calculated in the student's GPA. Each grade will stand alone, as the student must have passed both semesters of a two-semester course; the grades will not be averaged together for a 70- or higher. Tests are available in the following subject areas: English, math, science, social studies, and foreign languages. Credit by examination may not be used to earn eligibility for extracurricular activities or NCAA core course qualifications. Students gaining credit through credit by exam will be required to take and pass STAAR EOC for subjects required to graduate.

## **STAAR EOC**

Students who fail to master any section(s) of the STAAR EOC may be placed in STAAR tutorial classes as one of their electives. Continued placement in STAAR classes will be assessed at the end of each quarter. STAAR-EOC classes receive local credit.

## **DUAL CREDIT**

Certain approved courses taken through Angelina College or Stephen F. Austin State University earn both high school and college credit simultaneously. Students who desire high school credit for college courses must declare their intent in writing with the appropriate counselor prior to enrollment in the college courses. Students must complete an application and meet the entrance requirements of the college and must have met passing on the content specific STAAR EOC. Students taking CTE dual credit courses will receive 1.08 percent weight for GPA purposes. Students taking TSI dual credit courses will receive 1.14 percent weight for GPA purposes.

## **CREDIT AWARDED FROM PRIVATE SCHOOLS**

Beginning school year 2003-04, students desiring to receive credit from private schools must take Credit By Examination from Texas Tech. or the University of Texas. The grade made on the credit by exam will be posted on the transcript and included in the student's GPA. All grades will be given the regular weight with the exception of Algebra I, which will be weighted as a pre-AP grade. Incoming ninth grade students will need to test during the summer prior to their ninth grade year. The student will incur the cost of the exam.

## **COURSES THAT AWARD P.E. CREDIT**

Band, Cheer and Drill Team  
(during the fall term)  
and Athletics fulfill PE requirements.

## **Career and/or Educational Choices:**

### **Lufkin High School Go Center**

The Center is located in room W-117. Students can learn about the college admissions process, search colleges and majors, and learn about financial aid options. Students can also access the internet to register for college admissions tests (SAT/ACT), and apply for college admissions. Scholarship opportunities are also available or can be accessed.

### **Technical School**

- Educational instruction in a one-year certificate program for certain technical or specific areas such as law enforcement, firefighter certification, truck driving, paralegal, or others.
- Offers educational instruction in two year programs targeted for specific job training.

### **Community College/Junior College**

- Offers educational instruction in one year certificate programs.
- Offers educational instruction in two year programs.
- Offers academic instruction toward an associate's degree.
- Offers a "Transfer Academic Program" that is designed so that courses can be transferred to a four-year institution.
- Offers career and technology training.



### College/University

- Offers undergraduate and graduate degrees in a variety of fields. Doctoral programs vary from school to school.
- May provide pre-professional degree.

### College Entrance Tests

**ACT Assessment:** The academic test covers four areas - English, mathematics, reading, and science reasoning. They are designed to assess the student's educational development and readiness to handle college - level work.

**SAT I (Scholastic Aptitude Test):** This measures your reasoning skills. This test measures reading, writing and math skills. Most Texas four-year colleges require the ACT or SAT for entrance.

**TSI Assessment 2 (Texas Success Initiative Assessment 2):** Texas law requires all entering college students (including concurrent/dual credit students) to be assessed for college readiness in mathematics, reading and writing. Some students may be exempt from TSIA 2 based on high scores from SAT, ACT, and STAAR EOC. See exemption requirements in the GO Center or the counseling office.

### New Courses Added for 2023-2024

**BIOLOGY FOR SCIENCE MAJORS I & II  
DUAL CREDIT**

**BUSINESS MANAGEMENT**

**GLOBAL BUSINESS**

**LIFETIME FITNESS AND WELLNESS PURSUITS**

**PRACTICUM IN AGRICULTURE, FOOD AND  
NATURAL RESOURCES**

**PRACTICUM IN MANUFACTURING**

**SKILL-BASED LIFETIME ACTIVITIES**

**See your counselor  
for any and all  
questions concerning  
scheduling.**

### Distinguished Level of Achievement:

**For students entering 9th grade in 2014-2015 and thereafter**

To be ranked in the top 10% of the graduating class and qualify for automatic admission into a Texas public university, students must earn a distinguished level of achievement. The distinguished level of achievement requires a total of four math credits, including Algebra 2, four science credits, and completion of at least one endorsement.

### Graduates with Distinction

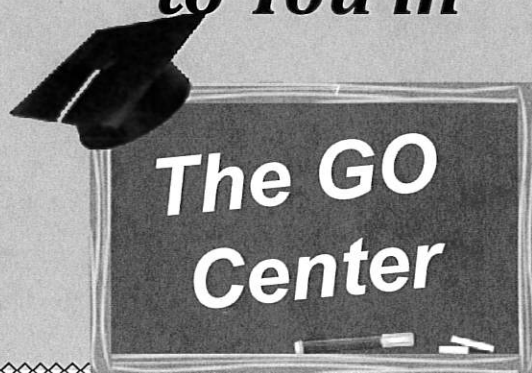
Students considered to be Graduates with Distinction must meet these standards:

Summa graduates must have a weighted GPA of 98.00 or higher

Magna graduates must have a weighted GPA between 97.99 and 94.00

Cum laude graduates must have a weighted GPA between 93.99 and 90.00

***Be Sure to Take Advantage  
of All the Resources Available  
to You in***





# LUFKIN ISD

## LUFKIN HIGH SCHOOL



## LHS PANTHER PROGRAMS

### LUFKIN ECHS

The ECHS program is a partnership between Lufkin High School and Angelina College to provide students the opportunity to complete up to an associate's degree at no cost. Students apply for the ECHS program by completing the application process during the spring semester of the 8th grade year and must meet the passing standard on the TSI Assessment before entering academic dual credit courses. Dual credit may be academic or CTE based, allowing students to work towards an associates or Level 1 certificate. Lufkin ECHS accepts up to 135 students per year.

### SFA STEM ACADEMY

The SFA STEM Academy is a partnership and cohort program between Lufkin High School and Stephen F. Austin State University aimed at enriching the high school experience for students interested in pursuing college study and careers in science, technology, engineering, and mathematics. The STEM Academy offers students additional STEM elective courses taught on the high school campus, AP and dual credit coursework, as well as laboratory/field experiences led by SFA professors. Students must enter the program in 9th grade through an application/interview process.

### GT PROGRAM

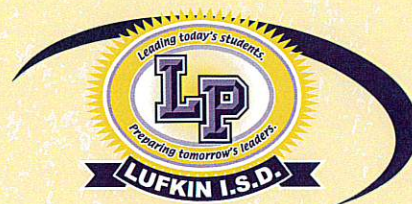
The Gifted and Talented program at Lufkin High School exposes students to great pieces of literature in an effort to prepare them to understand the allusions they will study in the future. The GT program encompasses World History AP, Art History AP, and English II Advanced, combining the curricula into one extended course. In addition, the GT program traditionally takes an excursion to New York City each spring to expose the students to the art, music, history, and culture studied in this course. The student must enter the program in the 9th grade, utilizing an application/interview process.

### LUFKIN HIGH SCHOOL DUAL CREDIT

Lufkin High School currently offers more than 60 hours of dual credit courses on our home campus in the academic and CTE curriculum and expanding each year. Students have the opportunity to complete an Associate's degree through the dual credit program. Lufkin High School teachers serve as adjunct faculty members for Angelina College to provide the college level experience and credit to high school students. Tuition (at \$100 per course) and book fees are the responsibility of the student.

### ADVANCED PLACEMENT

Advanced placement curriculum is college-preparatory in nature and requires outside class reading and study. In advanced placement classes, just like in college, students will face challenges and learn new skills. Advanced placement coursework helps to develop study habits while enjoying a great learning experience. Students see the benefits of taking an advanced placement course right away! LHS offers 21 AP courses with AP exams taken each May for college credit. A passing score of three or higher awards college credit. Lufkin High School offers courses in many advanced placement subject areas including English, history, humanities, languages, math, science, and art.





# **LUFKIN HIGH SCHOOL**

## **FOUNDATION GRADUATION PLAN**

For students entering 9<sup>th</sup> grade in 2014-2015 and thereafter

The Foundation High School Program seal will be affixed to the student's academic achievement record (transcript) under this plan. **NOTE: Parents and students must meet with a counselor after the second year of high school to be approved for the foundation plan.** The following courses are required for graduation:

1. English Language Arts\_\_\_\_\_4.0 credits  
English I, II, III, & IV (ESOL I & II may be substituted for English Language Learners)
2. Mathematics\_\_\_\_\_3.0 credits  
Must include Algebra I and Geometry (third credit must come from an approved advanced math)
3. Science\_\_\_\_\_3.0 credits  
Must include Biology (IPC and advanced science OR two advanced sciences)
4. Other Languages\_\_\_\_\_2.0 credits  
Must be in the same language
5. Social Studies\_\_\_\_\_4.0 credits  
World Geography (9), World History (10), US History (11), & Government/Economics (12)
6. Physical Education\_\_\_\_\_1.0 credits  
Students may earn no more than four (4) state credits in physical education (additional credits will be local electives). Substitutions for physical education credits are: Marching Band (fall term), Drill Team (fall term), Cheer, and Athletics.
7. Fine Arts\_\_\_\_\_1.0 credits
8. Professional Communication (speech)\_\_\_\_\_0.5 credits
9. Technology Application (BIM I)\_\_\_\_\_1.0 credits
10. State Electives\_\_\_\_\_2.5 credits
11. State or Local Electives\_\_\_\_\_9.0 credits
- TOTAL\_\_\_\_\_31.0 credits



## Lufkin High School Endorsements

<u>Endorsements</u>	<u>Description</u>
STEM	COURSES DIRECTLY RELATED TO SCIENCE INCLUDING ENVIRONMENTAL SCIENCE, TECHNOLOGY, INCLUDING COMPUTER SCIENCE, ENGINEERING, AND ADVANCED MATHEMATICS. * ALGEBRA 2 IS REQUIRED FOR STEM ENDORSEMENT
BUSINESS AND INDUSTRY	COURSES DIRECTLY RELATED TO DATABASE MANAGEMENT, INFORMATION TECHNOLOGY, COMMUNICATIONS, ACCOUNTING, FINANCE, MARKETING, GRAPHIC DESIGN, ARCHITECTURE, CONSTRUCTION, WELDING, LOGISTICS, AUTOMOTIVE TECHNOLOGY, AGRICULTURAL SCIENCE.
PUBLIC SERVICES	COURSES DIRECTLY RELATED TO HEALTH SCIENCES AND OCCUPATIONS, EDUCATION AND TRAINING, (LAW ENFORCEMENT), AND CULINARY ARTS AND HOSPITALITY.
ARTS AND HUMANITIES	COURSES DIRECTLY RELATED TO POLITICAL SCIENCE, WORLD LANGUAGES, CULTURAL STUDIES, ENGLISH LITERATURE, HISTORY AND FINE ARTS.
MULTI-DISCIPLINARY	ALLOWS STUDENTS TO EARN CREDITS IN A VARIETY OF ADVANCED COURSES FROM MULTIPLE CONTENT SUFFICIENT TO COMPLETE DISTINGUISHED LEVEL UNDER THE FOUNDATION HIGH SCHOOL PROGRAM

Endorsements					
Lufkin ISD Program of Studies	STEM	Business & Industry	Public Service	Arts & Humanities	Multidisciplinary
	<p>Advanced Math</p> <p>Advanced Science</p> <p>Science, Technology, Engineering, and Math</p>	<p>Agriculture, Food and Natural Resources</p> <p>Architecture and Construction</p> <p>Arts, Audio-Video Technology and Communications</p> <p>Business, Marketing, and Finance</p> <p>Hospitality and Tourism</p> <p>Information Technology</p> <p>Manufacturing</p> <p>Transportation</p>	<p>Education and Training</p> <p>Health Science</p> <p>Human Services</p> <p>Law, Public Safety</p>	<p>Fine Arts</p> <p>World Languages</p> <p>World Literature</p>	<p>Allows student to earn credits in a variety of advanced courses from multiple content sufficient to complete distinguished level under the foundation high school program</p>



# Lufkin ISD Career Cluster & Pathway/Programs of Study

Career Cluster	Program of Study	COURSES		Certification
STEM Endorsement				
STEM	Advanced Math		Advanced Math Courses: AP & DC Math	
	Advanced Science		Advanced Science Courses not included as one of the four sciences	
	Engineering	C1PEN0	Introduction to Engineering PLTW	
		C2PEN0	Engineering Design and Development PLTW	
		CDN200	Civil Engineering and Architecture PLTW	
	Cybersecurity	C1NCC0	Foundations of Cybersecurity	CompTIA A+ Cert.
		MONCS0	Computer Science	CompTIA Security+
		MOACP0	AP Computer Science Principles	Cybersecurity Fund.
		MOPCS0	Computer Science Advanced	
C1NCP0		Programming		
MOACS0		AP Computer Science A		
Business and Industry Endorsement				
Agriculture, Food and Natural Resources	Animal Science	CONPRO	Principles of Agriculture, Food and Natural Resources	
		CONLP0	Livestock Production	
		CONSAS	Small Animal Management	
		CONEQ5	Equine Science	
			Practicum in Agriculture, Food and Natural Resources	Fund. of Animal Science Cert.
	Environmental and Natural Resources	CONPRO	Principles of Agriculture, Food and Natural Resources	
		CONEN0	Energy and Natural Resources	
		CONWFO	Wildlife, Fisheries, and Ecology Management	
		CONFRO	Forestry and Woodlands Ecosystems	
			Practicum in Agriculture, Food and Natural Resources	
	Plant Science	CONPRO	Principles of Agriculture, Food and Natural Resources	
		CONLD5	Landscape Management	
		CONH05	Horticulture Science	
		CONTG0	Turfgrass Management	
		CONGH0	Greenhouse Operations	
		Practicum in Agriculture, Food and Natural Resources		
	Applied Agriculture Engineering	CONPRO	Principles of Agriculture, Food and Natural Resources	
		CONAM0	Agricultural Mechanics and Metal Technologies	AWS CERT
		CONDF0	Agriculture Facilities and Design Fabrication	
		CONED0	Agriculture Equipment and Design Fabrication	
			Practicum in Agriculture, Food and Natural Resources	
Architecture and Construction	Architectural Design	C3NAR0	Principles of Architecture	
		C3NID0	Interior Design	
		CDN000	Architectural Design I **	
		CDN100	Architecture Design II **	AUTOCAD CERT
	Carpentry	CDN200	Civil Engineering and Architecture PLTW	
		CBN000	Principles of Construction	
		CBN0F0	Construction Technology I	
Arts, Audio-Video Technology and Communications	Graphic Design and Multimedia Arts	CBN100	Advanced Construction Technology II	NCCER Carpentry
		CBNET0	Electrical Technology	
		C1NMM0	Digital Media	ADOBE IN DESIGN
		C8NA10	Animation I	ADOBE ANIMATE CERT
		C8NA20	Animation II	
		F2NPC0	Photography- Commercial Photography	
		F3NPC0	Photography- Commercial Photography II **	ADOBE PHOTOSHOP
		C8NFD0	Fashion Design I	
		C9NFD0	Fashion Design II and lab	
		J1NYB0	Graphic Design and Illustration/ Yearbook I	
	J2NYB0	Graphic Design and Illustration/ Yearbook II		
	Regional Pathway- Printing and Imaging	CGN000	Printing and Imaging Technology I	
		CGN100	Printing and Imaging Technology II	
		CGN200	Practicum in Printing and Imaging Technology	ADOBE
	Digital Communications	JONCA5	Professional Communication **	
		J1NAV0	Audio-Video Production I	
		J2NAV0	Audio-Video Production II	FINAL CUT PRO
J3NAV0		Practicum in Audio/Video Production		
Business Marketing and Finance	Business Management	C1NB10	Business Information Management I	
		C1NB20	Business Information Management II	MOS CERT
		C1NVB0	Virtual Business	
			Global Business	
		CPN3F0	Career Prep Co-Op	
	Accounting and Financial Services	C7NMM5	Money Matters	
		C1NB10	Business Information Management I	
		C7NA10	Accounting I	
		C7NA20	Accounting II	QUICKBOOKS CERT
		CPN3F0	Career Prep Co-Op	
Hospitality & Tourism	Culinary Arts	C2NHT5	Principles of Hospitality and Tourism	
		C2NRM0	Introduction to Culinary Arts	
		CAN1F0	Culinary Arts	FOOD HANDLERS
		CAN200	Advanced Culinary Arts	SERVE SAFE CERT
			** course offered as dual credit	

\*\* course offered as dual credit



### Business and Industry Endorsement

PATHWAYS		COURSES		CERT/LICENSE	
Information Technology	Networking Systems	MONCS0	Computer Science		
		CCP100	Computer Maintenance **		
		CCP200	Networking **	CompTIA Network+	
		C1NCP0	Programming		
Manufacturing	Advanced Manufacturing Systems	C1NRA0	Robotics I		
		C2PEN0	Engineering Design and Presentation		
		C2NRA0	Robotics II		
			Practicum in Manufacturing		
	Welding	CWN000	Introduction to Welding		
		CWN100	Welding I **		
		CWN200	Welding II **		
			Practicum in Manufacturing	AWS CERT	
Transportation Distribution & Logistics	Automotive	CTN000	Automotive Basics		
		CTN100	Small Engine Repair		
		CTN10F	Automotive Technology I		
		CTN200	Automotive Technology II	ASE ENTRY CERT	

### Public Service Endorsement

Education and Training	Teaching and Training	C4NHS0	Principles of Human Services	
		C4NCD0	Child Development	
		C4NED0	Instructional Practices in Education and Training	
	Early Learning	C4NHS0	Principles of Human Services	
		C4NCD0	Child Development	
		C4NCG0	Child Guidance	
Health Science	Healthcare Therapeutic	CHN000	Principles of Health Science	
		C5NMT0	Medical Terminology	
		CHN1F0	Patient Care Tech	EKG, PhI, CNA, PCT
		C9NDA0	Dental Assistant	Cert. Dental Assistant
Human Services	Cosmetology and Personal Care Services	C5N000	Cosmetology	Cosmetology Operator
		CBNBA0	Barber	Barber Operating
Law and Public Service	Law Enforcement	C9NPL0	Principles of Law, Public Safety, Corrections and Security	
		C9NL10	Law Enforcement I	
		C9PCL0	Criminal Investigations **	
		C9NCS0	Correction Services	
		C9PL20	Law Enforcement II **	

### Arts and Humanities Endorsement

Arts and Humanities	Fine Arts	F1NAR0	Art I **	
		F2NDR0	Art II Drawing	
		F2NPA0	Art II Painting	
		F2NSC0	Art II Sculpture	
		F3A2D0	Art III - AP 2-D Design	
		F3A3D0	Art III - AP 3-D Design	
		F3ADR0	Art III - AP Drawing Portfolio	
		F1NBF0	Band I-IV	
		F1NFF0	Choir I-IV	
		F0NDA0	Dance	
		F1NTA0	Theatre I-IV	
		F1NTT0	Tech Theatre	
		F0AGT0	Art History AP	
	World Literature	H2AGT0	World History AP	
		E3ALG5	Literary Genre	
		H4AEH0	European History AP	
	World Languages	E3A000	Humanities	
		L1NSP0	Spanish I **	
		L2NSP0	Spanish II **	
		L3PS0	Spanish III	
		L4PS0	Spanish IV	
		L5ASP0	Spanish V-AP	
		L6ASP0	Spanish VI -AP	

\*\* course offered as dual credit



# **LUFKIN HIGH SCHOOL**

## **Foundation Plan**

### **Distinguished Level of Achievement**

For students entering 9<sup>th</sup> grade in 2014-2015 and thereafter

The Distinguished High School Program seal will be affixed to the student's academic achievement record (transcript) under this plan. The student must also obtain an endorsement to complete the Distinguished Graduation Plan. See Endorsements for additional information. The following courses are required for graduation:

1. English Language Arts\_\_\_\_\_4.0 credits  
English I, II, III, & IV (ESOL I & II may be substituted for English Language Learners)
2. Mathematics\_\_\_\_\_4.0 credits  
Must include Algebra I and Geometry, Algebra 2, & Advanced Math
3. Science\_\_\_\_\_4.0 credits  
Must include Biology (IPC and two advanced sciences OR three advanced sciences for Distinguished).
4. Other Languages\_\_\_\_\_2.0 credits  
Must be in the same language
5. Social Studies\_\_\_\_\_4.0 credits  
World Geography (9), World History (10), US History (11), & Government/Economics (12)
6. Physical Education\_\_\_\_\_1.0 credits  
Students may earn no more than four (4) state credits in physical education (additional credits will be local electives). Substitutions for physical education credits are: Marching Band (fall term), Drill Team (fall term), Cheer, and Athletics.
8. Fine Arts\_\_\_\_\_1.0 credits
9. Professional Communication (speech)\_\_\_\_\_0.5 credits
10. Technology Application (BIM I)\_\_\_\_\_1.0 credits
11. State Electives\_\_\_\_\_4.5 credits
12. State or Local Electives\_\_\_\_\_5.0 credits
- TOTAL\_\_\_\_\_31.0 credits

**DISTINGUISHED LEVEL OF ACHIEVEMENT: 31 CREDITS**  
**Eligible for Top 10% Automatic Admission**

Algebra II

Algebra II

Algebra II

Algebra II

**Endorsements**

**STEM**  
**ALGEBRA II**  
**PHYSICS**

**BUSINESS &  
INDUSTRY**  
4 OR MORE  
CREDITS

**ARTS &  
HUMANITIES**  
4 OR MORE  
CREDITS

**PUBLIC  
SERVICE**  
4 OR MORE  
CREDITS

**MULTI-  
DISCIPLINARY  
STUDIES**  
4 OR MORE  
CREDITS

**GRADUATION BUILDING BLOCK**

4.0 credits: ELA

4.0 credits: MATH

4.0 credits: SCIENCE

4.0 credits: SOCIAL STUDIES

2.0 credits: FOREIGN LANGUAGE

1.0 credits: TECHNOLOGY

1.0 credits: PHYSICAL EDUCATION

1.0 credits: FINE ARTS

0.5 credits: PROF. COMMUNICATION

4.5 credits: STATE ELECTIVES

5.0 credits: STATE OR LOCAL ELECTIVES



## CAREER & TECHNOLOGY EDUCATION

### AGRICULTURE, FOOD AND NATURAL RESOURCES

#### PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard/Course #:** C0NPRO

This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, and industry standards pertaining to careers in agriculture, food and natural resources.

#### LIVESTOCK PRODUCTION

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** C0NLPO

To prepare for careers in the field of animal science, students need to enhance academic knowledge and skills, and acquire knowledge and skills related to animal systems and the workplace. Animal species addressed in this course may include: beef cattle, dairy cattle, swine, sheep, goats and poultry.

#### SMALL ANIMAL MANAGEMENT

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit/GP:** 1/2 / **Standard /Course #:** C0NSAO

To prepare for careers in the field of animal science, students need to enhance academic knowledge and skills, and acquire knowledge and skills related to animal systems and the workplace. Small animals which may be included in this course: small mammals, amphibians, reptiles, avian, dogs and cats.

#### EQUINE SCIENCE

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1/2 / **Standard /Course #:** C0NEQ0

To prepare for careers in the field of animal science, students need to enhance academic knowledge and skills, and acquire knowledge and skills related to animal systems and the workplace. Suggested animals which may be included: horses, donkeys and mules.

#### ADVANCED ANIMAL SCIENCE

**Grade Placement:** 12

**Prerequisite:** Recommended to have a minimum of one credit from the courses in the Agriculture, Food and Natural Sciences cluster- Livestock Production is preferred but not mandatory.

**Credit/GP:** 1/ Standard /Course #: C0NAA0

To prepare for careers in the field of animal science students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace. This course examines the interrelatedness of human, scientific and technological dimensions of livestock production. This course is recommended for students in grade 12. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement.

#### PROFESSIONAL STANDARDS in AGRIBUSINESS

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit/GP:** 1/2 /**Standard/Course #** C0NPS0

This course primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness.

#### FOOD TECHNOLOGY AND SAFETY

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course#:** C0NFT0

This course examines the food technology industry as it relates to food production, handling and safety.

#### WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course#:** C0NWF0

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.

#### FORESTRY AND WOODLANDS ECOSYSTEMS

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course#:** C0NFR0

This course examines current management practices for forestry and woodlands. Special emphasis is given to management as it relates to ecological requirements and how these practices impact the environment.

#### LANDSCAPE DESIGN MANAGEMENT

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1/2 / **Standard /Course#:** C0NLDO

This course is designed to develop an understanding of the techniques and practices utilized in the landscape design, landscape construction and turf grass management industry.

#### HORTICULTURE SCIENCE

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** C0NH00

This course is designed to develop an understanding of common horticultural practices that relate to vegetable, fruit, and nut production, as well as, the propagation techniques used in ornamental plant production.

#### ENERGY & NATURAL RESOURCES

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** C0NEN0

This course allows students to evaluate the environmental benefits provided by sustainable resources and green technologies. Students will gain skills to prepare for careers in environmental service systems.



## **TURFGRASS MANAGEMENT**

**Grade Placement 9-12**

**Prerequisite: None**

**Credit/GP: 1/2 / Standard /Course #: C0NTG0**

Students will develop an understanding of turfgrass management and operations. Students will identify cool and warm season grasses, assess environmental factors that impact turfgrass establishment and management, explore business practices related to the turfgrass management and identify and maintain equipment used in the turfgrass industry.

## **GREENHOUSE OPERATION**

**Grade Placement 9-12**

**Prerequisite: None**

**Credit/GP: 1 / Standard /Course #: C0NGH0**

Students enrolled in Greenhouse Operations will develop an understanding of day to day greenhouse operations and maintenance. Students will explore environment factors that effect plant growth within a greenhouse such as temperature, sunlight, humidity, plant variety, plant nutrition and watering systems. Students will explore marketing strategies of greenhouse products.

## **AGRICULTURE MECHANICS AND METAL TECHNOLOGIES**

**Grade Placement: 10-12**

**Prerequisite: None**

**Credit/GP: 1 / Standard /Course #: C0NAM0**

This course is designed to develop an introductory understanding of agricultural mechanics as it relates to safety, skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, masonry and metal techniques and practices.

## **AGRICULTURAL POWER SYSTEMS**

**Grade Placement: 10-12**

**Prerequisite: None**

**Credit/GP: 2 / Standard /Course #: C0NPW0**

This course is designed to develop an understanding of power and control systems used in agricultural industries. Subjects will include: internal combustion engines, electric motors, hydraulics, pneumatics, and emerging green technologies in agriculture.

## **AGRICULTURAL FACILITIES DESIGN AND FABRICATION**

**Grade Placement: 11-12**

**Prerequisite: None**

**Credit/GP: 1 / Standard /Course #: C0NDF0**

This course is designed to prepare the student for careers in mechanized agriculture. Students will obtain knowledge and skills in the area of safety, tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, masonry and metal working techniques and practices.

## **AGRICULTURE EQUIPMENT DESIGN AND FABRICATION**

**Grade Placement 11-12**

**Prerequisite: Agriculture Mechanics, Welding or Auto Tech**

**Credit/GP: 1/ Standard /Course #: C0NED0**

This course is designed to prepare the student for careers in Mechanized Agriculture. Students will obtain knowledge and skills in the area of safety, tool operation, electrical wiring, plumbing, carpentry and metal working techniques. Course will focus on arc welding and oxyfuel cutting in fabrication applications.

## **PRACTICUM IN AGRICULTURE, FOOD AND NATURAL RESOURCES**

**Grade Placement: 12**

**Prerequisite: Three courses towards pathway completion and course request.**

**Credit: 2/ Standard / Course #:**

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food and Natural Resources Cluster.

## **BUSINESS, MANAGEMENT & ADMINISTRATION**

### **PRINCIPLES OF BUSINESS, MARKETING AND FINANCE**

**Grade Placement: 9-11**

**Prerequisite: None**

**Credit/GP: 1 / Standard /Course #: C1NBM0**

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.

### **TOUCH SYSTEM DATA ENTRY**

**Grade Placement: 9-12**

**Prerequisite: None**

**Credit/GP: 1/2 /Standard/Course#: C1NTS5**

Students apply technical skills to address business application of emerging technology through data input, formatting and printing documents, developing correct techniques for the touch system of operating the keyboard to develop speed and accuracy. Students enhance reading, writing, computing, communication and reasoning skills and apply them to the business environment.

### **BUSINESS INFORMATION MANAGEMENT I**

**Grade Placement: 9-12**

**Prerequisite:**

**Credit/GP: 1/ Standard /Course #: C1NB10**

BIM I introduces students to information systems and communication technology in a business environment, and builds a foundation of computer skills necessary for success in a technologically driven society. Utilizing Microsoft Office 2019 software, students will develop word processing, spreadsheet, database, desktop publishing and slideshow presentation skills. Throughout the course, there is an emphasis on career exploration, digital literacy, effective electronic research, communication skills and current issues related to the impact of information and communication technology.

### **BUSINESS INFORMATION MANAGEMENT II**

**Grade Placement: 11-12**

**Prerequisite: Business Information Management I**

**Credit/GP: 1 / Standard /Course #: C1NB20**

This course is designed specifically for students who are self motivated and interested in becoming a certified Microsoft Office Specialist (MOS) in one or more Microsoft Office programs Word, Excel and Powerpoint. Students will be required to work at a fast pace and at an advanced level increasing their knowledge and proficiency in one or more Microsoft Office programs. In-class training is conducted online and in the CTE computer lab. Once students reach a 90% passing rate on each training exam, they are then eligible to take an official MOS examination test. Successful candidates will receive an official MOS certification from Microsoft Office.

### **BUSINESS LAW**

**Grade Placement: 11-12**

**Prerequisite: None**

**Credit/GP: 1/ Standard /Course #: C1NBL5**

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 and real property.



## **HUMAN RESOURCE MANAGEMENT**

**Grade Placement:** 11-12

**Prerequisite:**

**Credit/GP:** 1/2 / **Standard /Course #:** C1NHR5

Students recognize, evaluate and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of human resource management, which include recruitment, selection, training, development and compensation.

## **VIRTUAL BUSINESS**

**Grade Placement:** 9-12

**Prerequisite:**

**Credit/GP:** 1/2 / **Standard /Course #:** C1NVB0

Student will be able to provide administrative, creative and technical services using advanced technological modes of communication and data delivery. The student builds a functional website that incorporates the essentials of a virtual business.

## **GLOBAL BUSINESS**

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit:** 1/2/ **Standard /Course #:**

Global Business is designed for students to analyze Global Trade Theories, International Monetary Systems, Trade Policies, Politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.

## **BUSINESS MANAGEMENT**

**Grade Placement:** 10-12

**Credit:** 1 / **Standard / Course #:**

**Prerequisite:** None

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

## **PRACTICUM IN BUSINESS MANAGEMENT OR MARKETING I-II (Co-Op)**

**Grades** 11-12

**Prerequisite:** Course Request

**Credit/GP:** 2-3 credits / **Standard (Fall and Spring term)**

**Course #:** CPN3F0/CPN3S0

This course is a junior/senior program in which the local businesses and the LISD work together to train students for careers in office settings. In addition to computer applications and various technical skills, students will learn human relations, communication and other software skills. Students will have the opportunity to train and test for Microsoft Office certification. Membership in Business Professionals of America will provide the students the advantage of learning leadership and participating in service for the community. The program requires a full year commitment and one class per day.

## **MONEY MATTERS**

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** C7NMM0

Students will investigate global economics with an emphasis on free enterprise. Students will determine methods of achieving long term financial goals through investment, tax planning, asset allocation, risk management, retirement and estate planning.

## **ACCOUNTING I**

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** C7NA10

Students will investigate the field of Accounting, and reflect on this knowledge as they engage in the process of recording, classifying and summarizing, accounting information. Students will formulate and interpret financial information for use in management decision making. Acct. I and II are laboratory courses featuring web-based interactive software that is accessible to the student at school and home.

## **ACCOUNTING II**

**Grades** 11-12

**Prerequisite:** - Accounting I

**Credit/GP:** 1 / **Standard /Course #:** C7NA20

Students continue to investigate the field of accounting and how it is impacted by industry standards as well as economic, technological, international, social, legal and ethical factors. Students use equations, graphical representations, accounting tools strategies and systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.

## **ENTREPRENEURSHIP**

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** C6NEN0

Students will learn the principles necessary to begin and operate a business. Students will understand the importance of analyzing a business plan, determining the feasibility of research, and developing a plan to organize and promote the business, its products and services.

## **SPORTS AND ENTERTAINMENT MARKETING**

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1/2 / **Standard /Course #:** C6NSP5

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports, sporting events and entertainment.

## **MARKETING DYNAMICS CO-OP I**

**Grade Placement:** 11-12

**Prerequisite:** Course Request

**Credit/GP:** 4/ **Standard (Fall and Spring terms)**

**Course#:** CPN6F0/CPN6S0

Marketing Dynamics is a co-op program where students gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management and selling skills needed to help customers make satisfying buying decisions and to solve marketing problems. A student must work a minimum of 15 hours per week, be 16 years of age, maintain a good grade average and commit to a total Fall/Spring course.



## ARTS, AUDIO/VIDEO TECH. & COMMUNICATIONS

### PROFESSIONAL COMMUNICATIONS

**Grade Placement:** 9-12 (recommended 11th)

**Prerequisite:** None

**Credit/GP:** 1/2 Standard /Course #: J0NPC5

Students enrolled in this course will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions and personal and professional presentations. This course will satisfy the graduation requirements for speech.

### PROFESSIONAL COMMUNICATIONS DUAL CREDIT

**Grade Placement:** 9-11

**Prerequisite:** TSIA/TSIA2

**Credit/GP:** 1/2 Weighted /Course #: J0APC5

Students will identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. This course will satisfy the graduation requirements for speech and adheres to Angelina College curriculum and requirements for SPCH 1315. Students are responsible for books and tuition unless otherwise noted.

### ANIMATION I

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1 / Standard /Course #: C8NA10

Students will utilize sophisticated graphic software (Newtek- LighWave 3D) within a classroom lab setting. Student will be expected to develop 2D and 3D animations, and develop an understanding of the history and techniques of the animation industry. This course is targeted for students who have an interest in the arts and have some experience using computers.

### ANIMATION II

**Grade Placement:** 11-12

**Prerequisite:** Animation I

**Credit/GP:** 1 / Standard/ Course #: C8NA20

Students will utilize sophisticated graphic software (Newtek-LightWave 3D) within a classroom lab setting. Students will work independently and cooperatively to learn the features of both the Light Wave Modeler and Light Wave Layout environments. The course is designed to present lessons that are progressive in difficulty, introducing more advanced features as students become proficient with previous concepts.

### COMMERCIAL PHOTOGRAPHY I

**Grade Placement:** 11-12

**Prerequisite:** Art I or History of Art AP

**Credit/GP:** 1 / Standard /Course #: F2NPC0

Students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs. Curriculum includes becoming proficient with a digital single lens reflex camera (DSLR), lighting equipment, and photo editing software. Students will also explore the history of commercial photography, deliver visual presentations and complete "real world" photography assignments.

### COMMERCIAL PHOTOGRAPHY II

**Grade Placement:** 11-12

**Prerequisite:** Commercial Photography I

**Credit/GP:** 1 / Standard /Course #: F3NPC0

Students will be expected to develop an advanced understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs. Curriculum includes advanced features of a digital single lens reflex camera (DSLR), studio lighting equipment and photo editing software (Adobe Lightroom and PhotoShop). Students will further explore careers in commercial photography, deliver visual presentations, display proficiencies in photo editing, and complete professional quality "real world" photography assignments.

### AUDIO/VIDEO PRODUCTION I

**Grade Placement:** 10-12

**Prerequisite:** Selection

**Credit/GP:** 1 / Standard /Course #: J1NAV0

Careers in audio and video technology and film production span all aspects of the audio/video industry. Students will develop technical knowledge and skills needed for success in the Arts, Audio/Video, and Communications Career Cluster. Students will be expected to develop an understanding of the industry with a focus on pre-production, production, post production audio and video activities.

### AUDIO/VIDEO PRODUCTION II

**Grade Placement:** 10-12

**Prerequisite:** Selection

**Credit/GP:** 2 Standard /Course #: J2NAV0

Students will be expected to develop advanced knowledge and skills needed for success in the Arts, Audio/Video technology and Communications Career Cluster. Students will be expected to develop an understanding of the industry with a focus on pre-production, production, post production audio and video activities.

### AUDIO/VIDEO PRODUCTION III

**Grade Placement:** 12

**Prerequisite:** Audio/Video Production II

**Credit/GP:** 2 Standard /Course #: J3NAV0

Students will focus on designing, producing, exhibiting performing, writing and publishing multimedia content.

### DIGITAL MEDIA

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1 / Standard /Course #: C1NMM0

Digital and Interactive Multimedia is a class designed for students to work individually and in teams to study and create various projects using computers, cameras, video camcorders, scanners, flash drives, memory cards, and variety of software (Macromedia: Flash and Firework, Windows Movie Maker and Studio 9) and other resources. Students will also analyze and assess current and evolving technologies and netiquette while exploring careers in today's technology driven society. Adobe certification will be pursued by students.

### FASHION DESIGN

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1 / Standard /Course #: C8NFD0

This course allows the student to develop knowledge and skills that apply to all aspects of the fashion and apparel industry. This course encompasses career exploration, higher education opportunities in fashion, presentation skills and sewing lab skill development.

### FASHION DESIGN II AND LAB

**Grade Placement:** 10-12

**Prerequisite:** Fashion Design I, Teacher Selection

**Credit/GP:** 2 / Standard /Course #: C9NFD0

Students will be expected to develop an advanced understanding of fashion, with emphasis on design and production sewing. This course is year long.



## **GRAPHIC DESIGN AND ILLUSTRATION/YEARBOOK I-II**

**Grade Placement:** 11-12

**Prerequisite:** Selection

**Credit/GP:** 1 / **Standard Course #:** J1NYB0(I), J2NYB0 (II)

Students will learn journalistic ethics and standards. Writing, technology, and visual and electronic media are used as tools for learning. Students will refine and enhance their journalistic skills, research self-selected topics, and plan, organize and prepare projects. Students will publish the student yearbook, The FANG. The student will apply professional communication strategies to individual and group projects and implement critical and problem solving skills. The student will develop workplace employability skills and understand business ethics.

## **PRINTING AND IMAGING TECHNOLOGY I**

**Grade Placement:** 9-10

**Prerequisite:**

**Credit/GP:** 1 / **Standard /Course #:** CGN000

This course covers all aspects of careers in printing including, prepress, press, finishing and bindery operations.

## **PRINTING AND IMAGING TECHNOLOGY II**

**Grade Placement:** 10-12

**Prerequisite:** Printing and Imaging Technology

**Credit/GP:** 1 / **Standard Course #:** CGN100

This course covers all aspects of careers in printing. Students will be expected to develop an advanced understanding of the printing industry with a focus on press operations.

## **PRACTICUM IN PRINTING AND IMAGING TECHNOLOGY**

**Grade Placement:** 12

**Prerequisite:** Advanced Printing and Imaging Technology

**Credit/GP:** 2 / **Standard /Course #:** CGN200/CGN300

Students will be expected to develop an advanced understanding of the printing industry with a focus on finishing and bindery operations and customer-based projects.

# **INFORMATION TECHNOLOGY**

## **PRINCIPLES OF INFORMATION TECHNOLOGY**

**Grade Placement:** 10

**Prerequisite:**

**Credit/GP:** 1 / **Standard /Course #:** CCN000

Students will design and create business documents and web pages. They will learn how to properly maintain a personal computer to keep it free of viruses and identify the major components of the system. Students will have to implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment in order to be successful in this class. Students will be required to read and write technical material, as well as, apply mathematical, computing, communication and reasoning skills to the technology environment.

## **COMPUTER MAINTENANCE I (may be taken for dual credit)**

**Grade Placement:** 11-12

**Prerequisite:** Principles of Information Technology

**Credit/GP:** 1 / **Standard /Course #:** CCN100

Students will learn the skills required to become a computer maintenancetechnician. Students will be required to learn electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment in order to be successful in this class. Students will be required to read and write technical material, as well as, apply mathematical computing, communication and reasoning skills to the technology environment.

## **NETWORKING (may be taken for dual credit)**

**Grade Placement:** 11-12

**Prerequisite:** Computer Maint. I or Teacher Approval

**Credit/GP:** 2 / **Standard/ Course #:** CCN200

Students will build upon the skills they learned in Computer Maintenance to design and create a working network. They will learn the concepts and skills related to telecommunications necessary to obtain gainful employment in the telecommunications field. Students will be required to read and write technical material, as well as, apply mathematical, computing, communication and reasoning skills to the technology environment.

## **COMPUTER PROGRAMMING**

**Grade Placement:** 11-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** C1NCP0

Students will learn structured scientific programming techniques and concepts appropriate to developing executable programs and creating appropriate documentation. Students will analyze a given problem, develop a solution, and write the code to produce an executable program to solve the problem. Students will be required to read and write technical material, as well as, apply mathematical, computing, communication and reasoning skills to the technology environment.

## **WEB TECHNOLOGIES**

**Grade Placement:** 11-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** C1NWT0

Through the study of web technology and design, the student will learn to make informed decisions, in the field of information technology. Students acquire and utilize information in electronic formats such as text, audio, video and graphics.

**SEE CYBERSECURITY UNDER STEM, Pg. 18**

# **MANUFACTURING**

## **INTRODUCTION WELDING**

**Grade Placement:** 10

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** CWN000

Welding provides the knowledge, skills and technologies required for employment in metal technology systems. Personal clothing required, safety equipment is provided by the instructor. Lab based instruction

## **WELDING I (may be taken for dual credit)**

**Grade Placement:** 11-12

**Prerequisite:** Welding

**Credit/GP:** 2 / **Standard /Course #:** CWN100

Advanced welding builds on knowledge and skills developed in welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Lab based instruction.

## **WELDING II (may be taken for dual credit)**

**Grade Placement:** 12

**Prerequisite:** Advanced Welding

**Credit/GP:** 2 / **Standard /Course #:** CWN200

This course is designed to give students supervised practical application of previously studied knowledge and skills.



## **BLUEPRINT READING FOR MANUFACTURING APPLICATIONS (DUAL CREDIT)**

**Grade Placement:** 12

**Prerequisite:** Welding I

**Credit/GP: 1 / Weighted / Course #:** CDPBP0

Blueprint Reading for Manufacturing Applications is an introduction to reading and interpreting working drawings for fabrication processes and associated trades. Students will learn sketching techniques to create pictorial and multiple-view drawings. Students will interpret working drawings including dimensions, notes, symbols, sections, and auxiliary views.

## **ROBOTICS I**

**Grade Placement:** 9-10

**Prerequisite:** Information Technology or Teacher Approval

**Credit/GP: 1 / Standard / Course #:** C1NRA0

In Robotics I, students will transfer academic skills to design electronic components in a project-based environment. Students will build prototypes or use simulation to test their designs.

## **ROBOTICS II**

**Grade Placement:** 10-12

**Prerequisite:** Robotics I

**Credit/GP: 1 / Standard / Course #:** C2NRA0

Students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project based environment.

## **PRACTICUM IN MANUFACTURING**

**Grade Placement:** 12

**Credit: 2 / Standard / Course #:**

**Prerequisite:** Three courses toward pathway completion and course request.

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

## **TRANSPORTATION, DISTRIBUTION, LOGISTICS**

### **AUTOMOTIVE BASICS**

**Grade Placement:** 10

**Prerequisite:** None

**Credit/GP: 1 / Standard / Course #:** CTN000

Students will gain knowledge in career development in the automotive service industry. Students will demonstrate knowledge in applicable safety and environmental rules and regulations. Students will gain knowledge and skills in the repair, maintenance and service of vehicle systems.

### **SMALL ENGINE TECHNOLOGY**

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP: 1 / Standard / Course #:** CTN100

Students will receive instruction in the function and maintenance of all types of small gas engines. Instruction includes the repair and service of cooling, air, fuel, lubrication, electrical, ignition, mechanical systems and laboratory safety practices.

### **AUTOMOTIVE TECHNOLOGY LIGHT MAINTENANCE REPAIR I**

**Grade Placement:** 11-12

**Prerequisite:** Automotive Basics, Small Engine Technology

**Credit/GP: 2 / Standard / Course #:** CTN1F0/CTN1S0

Students gain knowledge of automotive services to include knowledge of the function of the major automotive systems. Students will be introduced to problem solving utilizing diagnostic equipment. The focus of this course is to teach safety, tool identification and use, and employability.

## **AUTOMOTIVE TECHNOLOGY II AUTOMOTIVE SERVICES**

**Grade Placement:** 12

**Prerequisite:** Automotive Technology I

**Credit/GP: 2 / Standard / Course #:** CTN200

Students in Automotive Technology 2 will demonstrate professional standards and employability skills required in the automotive service industry. Students will demonstrate knowledge and skills of the repair, maintenance and diagnosis of vehicle systems in a lab based setting.

## **ARCHITECTURE AND CONSTRUCTION**

### **PRINCIPLES OF ARCHITECTURE**

**Grade Placement:** 9

**Prerequisite:** None

**Credit/GP: 1 / Standard / Course #:** C3NAR0

This course provides an overview to the various fields of architecture, interior design, construction science and construction technology.

### **INTERIOR DESIGN**

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP: 1 / Standard / Course #:** C3NID5

Interior design is a technical course that addresses the psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work.

### **ARCHITECTURAL DESIGN I/TECHNICAL DRAFTING (may be taken for dual credit)**

**Grade Placement:** 10-11

**Prerequisite:** None

**Credit/GP: 1 / Standard / Course #:** CDN000

Students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation towards a postsecondary degree in architecture, construction science, drafting, interior design and landscape architecture.

### **CIVIL ENGINEERING (PLTW)**

**(may be taken for dual credit)**

**Grade Placement:** 11-12

**Prerequisite:** Architectural Design I

**Credit/GP: 2 / Standard / Course #:** CDN100

Students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation towards a postsecondary degree in architecture, construction science, drafting, interior design and landscape architecture. Also, students will develop a personal drafting portfolio.

### **CIVIL ENGINEERING AND ARCHITECTURE**

**Grade Placement:** 12

**Prerequisite:** Advanced Architectural Design

**Credit/GP: 1 / Standard / Course #:** CDN200

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

### **PRINCIPLES OF CONSTRUCTION**

**Grade Placement:** 9-10

**Prerequisite:** None

**Credit/GP: 1 / Standard / Course #:** CBN000

Principles of Construction provides an introduction for those students entering the construction or craft skilled areas. The course will provide knowledge in construction safety, construction mathematics and the safe use of common power tools.



## **ELECTRICAL TECHNOLOGY**

**Grade Placement:** 11-12

**Prerequisite:** Principles of Construction

**Credit/GP:** 1 / Standard /Course #: CBNET0

Student will acquire knowledge and skills in safety, electrical safety, tools, codes installation of equipment and the reading of electrical drawings.

## **CONSTRUCTION TECHNOLOGY I**

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 2 / Standard /Course #: CBN0F0/CBN0S0

Students gain knowledge and skills specific to those needed to enter the workforce as carpenters, building maintenance supervisors, or prepare for a postsecondary degree in construction management, architecture or engineering.

## **CONSTRUCTION TECHNOLOGY II**

**Grade Placement:** 11-12

**Prerequisite:** Construction Technology

**Credit/GP:** 2 / Standard /Course #: CBN100

Students gain knowledge and skills specific to those needed to enter the work force as carpenters, building maintenance technicians or prepare for a postsecondary degree in construction management, architecture or engineering.

## **SCIENCE, TECHNOLOGY, ENGINEERING & MATH**

### **DIGITAL ELECTRONICS**

**Grade Placement:** 11-12

**Prerequisite:** Information Technology or Teacher Approval

**Credit/GP:** 1 / Standard /Course #:

Digital electronics focuses on the basic electricity principles of alternating current/direct current circuits. Students will demonstrate knowledge and application of circuits, electronic measurement and electrical implementation. A variety of computer hardware and software will be used to complete assignments and projects.

### **CYBERSECURITY CAPSTONE**

**Grade placement** 11-12

**Credit/GP:** 1 / Weighted /Course #: CIPCC0

Students develop the knowledge and skills needed to master fundamental concepts of cybersecurity by exploring challenges facing information security professionals. Students will examine trends in cyber-attacks, common vulnerabilities, and the emergence of cyber terrorism. Students will develop and implement security policies. To prepare for success, students will have opportunities to apply, reinforce and transfer knowledge and skills to a variety of settings and problems.

### **INTRODUCTION TO ENGINEERING DESIGN (PLTW)**

**Grade Placement:** 9-10

**Credit/GP:**1/Weighted Course #: C1PEN0

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

### **PRINCIPLES OF ENGINEERING (PLTW)**

**Grade Placement:** 10-11

**Prerequisite:** Introduction to Engineering

**Credit/GP:**1/Weighted Course #: C2PEN0

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research and design while learning strategies for design process documentation, collaboration and presentation.

## **HUMAN SERVICES**

### **PRINCIPLES OF HUMAN SERVICES**

**Grade Placement:** 9-10

**Prerequisite:** None

**Credit/GP:** 1 / Standard /Course #: C4NHS5

This laboratory course will investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, education and personal care services.

### **INTERPERSONAL STUDIES**

**Grade Placement:** 10-11

**Prerequisite:** None

**Credit/GP:** 1/2 / Standard /Course #:C4NIS5

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.

### **CHILD DEVELOPMENT**

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1 / Standard /Course #: C4NCD5

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school age children.

### **CHILD GUIDANCE**

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 2 / Standard /Course #: C4NCGO

Students use the knowledge and skills related to child growth and guidance to equip students to develop positive relationships with children and develop effective caregiver skills.

### **LIFETIME NUTRITION AND WELLNESS**

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1/2/ Standard /Course #: C4NNW5

This course allows students to use the 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.

### **FAMILY AND COMMUNITY SERVICES**

**Grade Placement:** 11-12

**Prerequisite:** None

**Credit/GP:** 1/ Standard /Course #:CFNFC5

This laboratory-based course is designed to involve students in realistic and meaningful community based activities through direct service experiences.

### **COSMETOLOGY**

**Grade Placement:** 11-12

**Prerequisite:** Program Request

**Credit/GP:** Multi Credit Program / Standard /Course #: CSN000

Students attend this program at East Texas Cosmetology Center. Program begins 11th grade and continues through the 12th grade. Students must meet state board requirements for certification.

### **CLASS A BARBER CERTIFICATION PROGRAM**

**Grade Placement:** 11-12

**Prerequisite:** Program Request

**Credit/GP:** Multi Credit Program / Standard /Course #: CBNBA0

Students attend this program beginning in 11th grade and continues through the 12th grade. Students must meet state board requirements for certification.



## EDUCATION AND TRAINING

### HUMAN GROWTH AND DEVELOPMENT

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1/ Standard /Course #:C4NHG0

This course involves the examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones.

### INSTRUCTIONAL PRACTICES IN EDUCATION/RESEARCH

**Grade Placement:** 11-12

**Prerequisite:** Child Development or Human Growth and Dev.

**Course Request**

**Credit/GP:** 1/ Standard/ Course #: CHNEN0

Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development, as well as, principles of effective teaching and training practices.

## HOSPITALITY AND TOURISM

### PRINCIPLES OF HOSPITALITY AND TOURISM

**Grade Placement:** 9-10

**Prerequisites:** None

**Credit/GP:** 1/Standard /Course #: C2NHT5

Students develop knowledge and skills that will enable them to function effectively in various positions within this multifaceted industry. This course encompasses lodging, recreation, amusements, resorts, restaurants and food and beverage service. Students explore careers in the nations' largest private sector employment base.

### INTRODUCTION TO CULINARY ARTS

**Grade Placement:** 10-12

**Prerequisite:** None

**Credit/GP:** 1/ Standard/ Course #:C2NRM0

This course will emphasize the principles of planning, organizing, staffing, directing and controlling the management of a variety of food service operations.

### CULINARY ARTS

**Grade Placement:** 10-12

**Prerequisite:** Hotel Mgt., Travel and Tourism Mgt., or Lifetime Nutrition and Wellness.

**Credit/GP:** 2/ Standard/ Course #: CAN1F0/CAN1S0

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques.

### ADVANCED CULINARY ARTS

**Grade Placement:** 12

**Prerequisite:** Course Request and Culinary Arts- Limited Seats

**Credit/GP:** 2/ Standard /Course #: CAN200

This course provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with industry career experiences.

## HEALTH SCIENCE

### PRINCIPLES OF HEALTH SCIENCE

**Grade Placement:** 9-10

**Prerequisite:** None

**Credit/GP:** 1/ Standard/ Course #: CHN000

This course provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

### MEDICAL TERMINOLOGY (Pair with Lifetime Wellness and Nutrition)

**Grade Placement:** 10-12

**Prerequisite:**

**Credit/GP:** 1 / Standard /Course #:C5NMT0

This course is designed to introduce student to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms.

### PRACTICUM IN HEALTH SCIENCE

**Angelina College Patient Care Tech Program**

**Grade Placement:** 12 - course request and interview

**Prerequisite:** 1 or more health science courses and Biology I

This course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will gain hands-on experiences for continued knowledge and skill development. Health Science Practicum focuses on planning, managing and providing therapeutic services, diagnostic services, health informatics and other support services. Students will participate in the Angelina College Patient Care Tech certification program. Students will pursue certifications in CNA, Phlebotomy, EKG, CPR and PCP.

### HEALTH SCIENCE THEORY

**Grade Placement:** 12

**Prerequisite:** Principles of Health Science, Medical Terminology

**Course Request-** Limited to available seats

**Credit/GP:** 2 /Standard /Course #: CHN1F0/CHN1S0

This course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will gain hands-on experiences for continued knowledge and skill development.

### ANATOMY AND PHYSIOLOGY

**Grade Placement:** 11-12

**Prerequisite:** Biology and Chemistry

**Credit/GP:** 1/Standard/ Course #: S6NHA0

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, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Course will serve as a science credit. See page 32 for course taught as dual credit.

### MEDICAL MICROBIOLOGY

**Grade Placement:** 10-12

**Prerequisite:** Successful Completion of Biology

**Credit/GP:** 1 / Standard /Course #: C5NMM0

Students explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Course will serve as a science credit.

### PATHOPHYSIOLOGY

**Grade Placement:** 10-12

**Prerequisite:** Successful Completion of Biology

**Credit/GP:** 1/Standard Course#: C5NPP0

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. Course will serve as a science credit.



## **WORLD HEALTH RESEARCH**

**Grade Placement:** 11-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** C5NWH0

This course examines major world health problems and emerging technologies as solutions to these medical concerns. This course is designed to improve students' understanding of the cultural, infrastructural, political, educational and technological constraints and inspire ideas for appropriate technological solutions to global medical care issues.

## **DENTAL ASSISTANT CERTIFICATION PROGRAM**

**Grade Placement:** 12

**Prerequisite:** Successful completion of Biology

**Credit/GP:** 2 / **Standard Course#:** C9NDA0

This course allows students classroom instruction and online 3-D modules that prepares for the dental assistant certification which covers X-Ray, infection and jurisprudence-the curriculum also prepares students to be successful with the nitrous oxide exam.

## **LAW AND PUBLIC SAFETY**

### **PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY**

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** C9NPL0

This course introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. It provides students with an overview of skills necessary for careers in law enforcement, fire service, security and corrections.

### **CORRECTIONS SERVICES**

**Grade Placement:** 10-12

**Prerequisite:** Recommended Principles of Law, Public Safety, Corrections and Security

**Credit/GP:** 1 / **Standard/ Course #:** C9NCS0

The student will learn the role and responsibilities of a correction officer. The student will receive an overview of correctional rules, laws, first aid and other procedures used in correctional facilities. The student will analyze rehabilitation and alternates to institutionalization.

### **LAW ENFORCEMENT I**

**Grade Placement:** 10-12

**Prerequisite:** Recommended Principles of Law, Public Safety, Corrections and Security or Corrections Services

**Credit/GP:** 1 / **Standard/ Course #:** C9NL10

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

### **LAW ENFORCEMENT II (may be taken for dual credit)**

**Grade Placement:** 10-12

**Prerequisite:** Law Enforcement I

**Credit/GP:** 1 / **Standard/ Course #:** C9NL20

Law Enforcement II is a capstone course that provides the knowledge and skills necessary to pursue a career in law enforcement. The course curriculum includes ethical and legal responsibilities, operation of police and emergency communication equipment and courtroom testimony.

### **CRIMINAL INVESTIGATIONS (may be taken for dual credit)**

**Grade Placement:** 11-12

**Prerequisite:** Principles of Law Recommended

**Credit/GP:** 1 / **Standard/ Course #:** C9NCI0

This course introduces students to the profession of criminal investigations. Students will understand the basic functions of investigations and procedures and learn terminology, crime scene processing, evidence collection, finger printing, and court room presentation.

## **FINE ARTS**

### **ART I**

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard/ Course #:** F1NAR0

Art I provides opportunities to develop visual awareness in perception, expression, historical and cultural evaluation. An overview of basic design, drawing, color theory and media is presented.

### **ART I DUAL CREDIT**

**Grade Placement:** 10-12

**Prerequisite:** TSIA/TSIA2

**Credit/GP:** 1 / **Weighted/ Course #:** F1AAR0

Art I Dual Credit provides opportunities to develop visual awareness in perception, expression, historical and cultural evaluation. This course adheres to Angelina College curriculum and requirements for ARTS 1301. Students are responsible for books and tuition unless otherwise noted.

### **ART II DRAWING**

**Grade Placement:** 10-12

**Prerequisite:** Art I

**Credit/GP:** 1 / **Standard /Course #:** F2NDR0

This level II course places emphasis on drawing techniques using various media. Level II courses are designed for students who have been successful in Art I and are seriously interested in developing further skills in a particular area.

### **ART II PAINTING**

**Grade Placement:** 10-12

**Prerequisite:** Art I

**Credit/GP:** 1 / **Standard /Course #:** F2NPA0

This level II course places emphasis on painting techniques using various media and surfaces. Level II courses are designed for students who have been successful in Art I and are seriously interested in developing further skills in a particular area.

### **ART II SCULPTURE**

**Grade Placement:** 10-12

**Prerequisite:** Art I

**Credit/GP:** 1 / **Standard /Course #:** F2NSC0

This level II course places emphasis on three dimensional design using various media. Level II courses are designed for students who have been successful in Art I and are seriously interested in developing further skills in a particular area.

### **ART III AP - 2-D DESIGN PORTFOLIO**

**Grade Placement:** 10-12

**Prerequisite:** Art I, Art II, Selection

**Credit/GP:** 1 / **Weighted /Course #:** F3A2D0

This level III course focuses on a broad variety of design issues, including proficiency in graphic design, photography, collage, painting, etc. This class is designed for students capable of college level performance. Multiple art examples and the Art II teacher recommendation/contract form must be submitted and approved. Many colleges grant college credit for acceptable AP Portfolio scores.

### **AP ART III- 3-D DESIGN**

**Grade Placement:** 10-12

**Prerequisite:** Samples/ Recommendation

**Credit/GP:** 1 / **Weighted /Course #:** F3A3D0

This level III course focuses on a broad variety of 3 D design issues. This course is designed for students capable of college level performance. Multiple art examples and the Art II teacher recommendation must be submitted and approved. Many colleges grant college credit for acceptable AP portfolio scores.

### **ART III - AP- DRAWING PORTFOLIO**

**Grade Placement:** 10-12

**Prerequisite:** Art I, Art II, Selection

**Credit/GP:** 1 / **Weighted /Course #:** F3A2D0

This level III course focuses on drawing media, techniques and layout. AP Drawing Portfolio is a course designed for students capable of college level performance. This course is selection only. Multiple drawings (any medium) and the Art II teacher recommendation/contract form must be submitted and approved. Many colleges grant college credit for acceptable AP Portfolio scores.



## **COMMERCIAL PHOTOGRAPHY**

**Grade Placement:** 11-12

**Prerequisite:** Art I or History of Art AP

**Credit/GP:** 1 / Standard /Course #: F2NPC0

Students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs. Curriculum includes becoming proficient with a digital single lens reflex camera (DSLR), lighting equipment, and photo editing software. Students will also explore the history of commercial photography, deliver visual presentations, and complete "real world" photography assignments.

## **COMMERCIAL PHOTOGRAPHY II**

(may be taken for dual credit)

**Grade Placement:** 11-12

**Prerequisite:** Art II Commercial Photography

**Credit/GP:** 1 / Standard /Course #: F3NPC0

Students will be expected to develop an advanced understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs. Curriculum includes advanced features of a digital single lens reflex camera (DSLR), studio lighting equipment, and photo editing software (Adobe Lightroom and PhotoShop). Students will further explore careers in commercial photography, deliver visual presentations, display proficiencies in photo editing, and complete professional quality "real world" photography assignments.

## **BAND (Music Level I)**

**Grade Placement:** 9

**Prerequisite:** 7-8 Band

**Credit/GP:** 1-2 / Standard /Course #: F1NB15, F1NB25(Fall)/ F1NBS0 (Spring)

Band is a full year laboratory for students of instrumental music. The music prepared by the band ranges from marches to symphonic arrangements, including both traditional and modern selections representing genres and styles from diverse cultures. Performances vary from informal to formal settings. This course also actively involves students with solo and small ensemble literature of moderate to moderately difficult levels.

## **BAND (Music Level II)**

**Grade Placement:** 10

**Prerequisite:** Band Music Level I

**Credit/GP:** 1-2/ Standard/Course #: F2NB15, F2NB25(Fall)/ F2NBS0 (Spring)

Band is a full year laboratory for students of instrumental music. The music prepared by the band ranges from marches to symphonic arrangements, including both traditional and modern selections representing genres and styles from diverse cultures. Performances vary from informal to formal settings. This course also actively involves students with solo and small ensemble literature of moderate to moderately difficult levels.

## **BAND (Music Level III)**

**Grade Placement:** 11

**Prerequisite:** Band Music Level II

**Credit/GP:** 1-2 / Standard /Course #: F3NB15, F3NB25(Fall)/ F3NBS0 (Spring)

Band is a full year laboratory for students of instrumental music. The music prepared by the band ranges from marches to symphonic arrangements, including both traditional and modern selections representing genres and styles from diverse cultures. Performances vary from informal to formal settings. This course also actively involves students with solo and small ensemble literature of moderate to moderately difficult to difficult levels.

## **BAND (Music Level IV)**

**Grade Placement:** 12

**Prerequisite:** Band Music Level III

**Credit/GP:** 1-2/ Standard /Course #: F4NB15, F4NB25(Fall)/ F4NBS0 (Spring)

Band is a full year laboratory for students of instrumental music. The music prepared by the band ranges from marches to symphonic arrangements, including both traditional and modern selections representing genres and styles from diverse cultures. Performances vary from informal to formal settings. This course also actively involves students with solo and small ensemble literature of moderate to moderately difficult levels. Advance concepts of evaluations and improvements of independent and ensemble performances are expected.

## **Applied Music I**

**Grade Placement:** 12

**Prerequisite:** current band member

**Credit/GP:** 11 Standard /Course # F0NAM0

The student will develop a broad understanding of perception in music by analyzing musical sounds and demonstrating musical artistry. The student is expected to play an instrument individually and perform a varied repertoire of music from memory and notation, representing styles from diverse cultures. Students will respond to and evaluate music and musical performances.

## **JV TREBLE CHOIR I**

**Grade Placement:** 9

**Prerequisite:** None

**Credit/GP:** 1/ Standard /Course #: F1NJF0(Fall), F1NJS0 (Spring)

JV Treble Choir is a training choir for treble voices and is designed to give students experiences in part of a performing choir. Students will demonstrate basic performance techniques and concert behavior in formal and informal settings, accurate intonation and rhythm, an understanding of basic musical ideas, and will sight read simple melodies. Students will perform a variety of easy to moderately difficult literature representing genres and styles from diverse cultures. Attendance at concerts and pre-scheduled afterschool rehearsals is mandatory.

## **JV TREBLE CHOIR II**

**Grade Placement:** 10

**Prerequisite:** Treble Choir I

**Credit/GP:** 1 / Standard /Course #: F2NJF0(Fall), F2NJS0 (Spring)

## **JV TREBLE CHOIR III**

**Grade Placement:** 11

**Prerequisite:** None

**Credit/GP:** 1/ Standard /Course #: F3NJF0(Fall), F3NJS0 (Spring)

## **JV TREBLE CHOIR IV**

**Grade Placement:** 12

**Prerequisite:** None

**Credit/GP:** 1 / Standard

**Course #:** F4NJF0 (Fall), F4NJS0 (Spring)

## **JV TENOR/BASS CHOIR**

**Grade Placement:** 9

**Prerequisite:** None

**Credit/GP:** 1/ Standard

**Course #:** F1NMF0 (Fall), F1NMS0 (Spring)

JV Tenor/Bass choir is a training level choir designed to give students experiences in part of a performing choir. Students will demonstrate basic performance techniques and concert behavior in formal and informal settings, accurate intonation and rhythm, an understanding of basic musical ideas, and will sight read simple melodies. Students will perform a variety of easy to moderately difficult literature representing genres and styles from diverse cultures. Attendance at concerts and pre-scheduled after-school rehearsals is mandatory.

## **JV TENOR/BASS CHOIR**

**Grade Placement:** 10

**Prerequisite:** None

**Credit/GP:** 1 / Standard

**Course #:** F2NMF0 (Fall), F2NMS0 (Spring)

## **JV TENOR/BASS CHOIR**

**Grade Placement:** 11

**Prerequisite:** None

**Credit/GP:** 1/ Standard

**Course #:** F3NMF0 (Fall), F3NMS0 (Spring)

## **JV TENOR/BASS CHOIR Grade Placement: 12**

**Prerequisite:** None

**Credit/GP:** 1/ Standard

**Course #:** F4NMF0 (Fall), F4NMS0 (Spring)



### **WOMEN'S CHOIR I**

**Grade Placement: 9**

**Prerequisite: Audition and Selection**

**Credit/GP: 1 / Standard**

**Course #: F1NWF0 (Fall), F1NWS0 (Spring)**

The Women's Choir is a full year competitive choir for advanced female singers. Students in the Women's Choir should have the necessary skills to compete at a high level in All-State, UIL, and Solo & Ensemble competitions. Students will demonstrate basic performance techniques and concert behavior in formal and informal settings, accurate intonation and rhythm, an understanding of advanced musical ideas, and will sight-read complex melodies. Students will perform a variety of moderately difficult musical repertoire representing genres and styles from diverse cultures. Auditioning for Region, Area, and State Choir is strongly encouraged, as well as participation in the UIL Solo & Ensemble contest. Attendance at concerts and pre-scheduled after-school rehearsals is mandatory.

### **WOMEN'S CHOIR II**

**Grade Placement: 10**

**Prerequisite: Audition and Selection**

**Credit/GP: 1 / Standard**

**Course #: F2NWF0 (Fall), F2NWS0 (Spring)**

### **WOMEN'S CHOIR III**

**Grade Placement: 11**

**Prerequisite: Audition and Selection**

**Credit/GP: 1 / Standard**

**Course #: F3NWF0 (Fall), F3NWS0 (Spring)**

### **WOMEN'S CHOIR IV**

**Grade Placement: 12**

**Prerequisite: Audition and Selection**

**Credit/GP: 1 / Standard**

**Course #: F4NWF0 (Fall), F4NWS0 (Spring)**

### **KANTORI I**

**Grade Placement: 9**

**Prerequisite: Audition and Selection**

**Credit/GP: 1 / Standard Course #: F1NKF0 (Fall) F1NKS0 (Spring)**

Kantori is the competitive, Varsity Mixed Choir. Students in Kantori should have the necessary skills to compete at an award-winning level in All-State, UIL, and Solo & Ensemble competitions. Students will demonstrate basic performance techniques and concert behavior in formal and informal settings, accurate intonation and rhythm, an understanding of advanced musical ideas, and will sight read complex melodies. Students will perform a variety of moderately difficult to difficult musical repertoire representing genres and styles from diverse cultures. Auditioning for Region, Area, and State Choir is strong encouraged, as well as participation in the UIL Solo & Ensemble contest. Attendance at concerts and pre-scheduled after-school rehearsals is mandatory. .

### **KANTORI II**

**Grade Placement: 10**

**Prerequisite: Audition and Selection**

**Credit/GP: 1 / Standard**

**Course #: F2NKF0 (Fall) F2NKS0 (Spring)**

### **KANTORI III**

**Grade Placement: 11**

**Prerequisite: Audition and Selection**

**Credit/GP: 1 / Standard /Course #: F3NKF0 (Fall) F3NKS0 (Spring)**

### **KANTORI IV**

**Grade Placement: 12**

**Prerequisite: Audition and Selection**

**Credit/GP: 1 / Standard**

**Course #: F4NKF0 (Fall) F4NKS0 (Spring)**

### **MUSIC THEORY (Level IV)**

**Grade Placement: 11-12**

**Prerequisite: Audition/Selection**

**Credit/GP: 1/Standard /Course #: F0NMT0**

The course in Music Theory is an advanced study of musical analysis and composition. Through the study of various compositions, students will learn the correct use of intervals, cadences, nonharmonic tones, melodic organization, chord progressions, and advanced harmonies leading toward a final composition using a simple binary or ternary form. The course will also include a basic overview of the major historical periods of music including, but not limited to, the Renaissance, Baroque, Classical, Romantic, Impressionistic, and 20th century music. This class is designed for students with a strong musical background who are capable of college level performance.

### **MUSIC HISTORY**

**Grade Placement: 9-12**

**Prerequisite: None**

**Credit/GP: 1 / Standard /Course #: F1NMF0**

The course in music appreciation is a very broad study of multiple aspects of music. Through the review of a multitude of compositions from around the world and across multiple centuries, students will learn the many influences affecting the development of music styles and functions in our western culture. Topics may include, but are not limited to, Renaissance, Baroque, Classical, Romantic, and 20th century periods, as well as the development of pop, jazz, blues, rap, country, and many other forms of secular music. This course is designed for students with limited or no background in music.

### **THEATRE ARTS I**

**Grade Placement: 9-12**

**Prerequisite: None**

**Credit/GP: 1 / Standard /Course #: F1NTA0**

A survey course, that provides the students with an intense sampling of all facets of theatre, with an emphasis being placed on actor training. The subject matter will range from stage terminology, structure of plays, and early theatrical history to vocal and movement training for the actor. Also, included will be acting, as well as, stage design and construction, lighting, costuming, and make-up.

### **THEATRE ARTS II**

**Grade Placement: 10-12**

**Prerequisite: Theater Arts I and Selection**

**Credit/GP: 1 / Standard /Course #: F2NTA0**

Designed to emphasize advanced study in two areas: acting and design. Course units will include the study of advanced acting techniques and application of the design elements for the stage through group and individual projects. Involvement in co-curricular productions, contests, and /or other such activities is an integral requirement of the class.

### **THEATRE ARTS III**

**Grade Placement: 11-12**

**Prerequisite: Theater Arts II/Selection**

**Credit/GP: 1 / Standard /Course #: F3NTA0**

Provides the advanced theatre students with extensive actor preparation, as well as, specialized training in areas of special interest to the individual students. Among these are theatre literature, design, directing, and play writing. Emphasis is on the refinement of skills. Involvement in co-curricular productions, contests, and/ or other such activities is an integral requirement of the class.

### **THEATRE ARTS IV**

**Grade Placement: 12**

**Prerequisite: Theater Arts III/Selection**

**Credit/GP: 1 / Standard/ Course #: F4NTA0**

Provides the advanced theatre students with extensive actor preparation, as well as, specialized training in areas of special interest to the individual students. Among these are theatre literature, design, directing, and play writing. Emphasis is on the refinement of skills. Involvement in co-curricular productions, contests, and/or other such activities is an integral requirement of the class.



## TECHNICAL THEATRE I

**Grade Placement:** Recommendation Required for Grade 9  
10-12

**Prerequisite:** None

**Credit/GP:** 1 / Standard/ Course #: F1NTT0

The primary function of the Technical Theatre class is to create sets for the Theatre Department's productions; students will be directly involved with constructing the sets. The students will be taught safe use of tools, as well as, construction and carpentry techniques. Students must be willing to use power tools, including drills and a variety of saws. Other areas of technical theatre will be studied, as the production schedule permits, set design, costume design, make-up application, lighting, and sound.

## TECHNICAL THEATRE II-III

**Grade Placement:** 10-12

**Prerequisite:** Technical Theater I and Selection

**Credit/GP:** 1 / Standard /Course #: F2NTT0/ F3NTT0

This course is for selected students who will continue the construction and design techniques on more advanced levels.

## THEATRE PRODUCTION I-IV

**Grade Placement:** 11-12

**Prerequisite:** Theatre Arts I-IV

**Credit/GP:** 1 / Standard/ Course #: F4NTP0

Theatre production classes focus on performance aspects of theatre and allow students who have completed Theatre Arts I-IV to continue advancing their skills as actors. Students are also introduced to theatre directing in this class.

## DANCE I

**Grade Placement:** 9-10

**Prerequisite:** No prior dance experience

**Credit/GP:** 1/Standard /Course #: F0NDA0

This is an introduction to basic kinds of dance including ballet, modern, tap/jazz, and also drill team fundamentals. This class is designed for students with no prior dance instruction.

## HEALTH

### HEALTH I

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit/GP:** 1/2 / Standard C/course #: P5N005

Health is a nine weeks course presenting phases of physical, mental and social health. This is a required course.

### HEALTH II

**Grade Placement:** 10-12

**Prerequisite:** Health I

**Credit/GP:** 1/2 / Standard /Course #: P6N005

This course is designed to help students who are interested in the allied health fields of Physical Therapy, Athletic Training, and Occupational Therapy.

## LIFETIME FITNESS AND WELLNESS PURSUITS

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit/GP:** 1/Standard/Course #:

Students will acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically-active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical activity and health throughout the lifespan.

## SKILL-BASED LIFETIME ACTIVITIES

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit/GP:** 1/Standard/Course #:

This course offers students the opportunity to demonstrate mastery in basic sport skills, knowledge, and health and fitness principles. Students experience opportunities that promote physical literacy and lifetime wellness.

## ADAPTIVE PE

**Grade Placement:** 9-12

**Prerequisite:** ARD Committee Decision

**Credit/GP:** 1-2 / Standard /Course #: R1RPF0/R1RPS0

This course is designed to meet the needs of students with significant physical and mental handicaps. The class focuses on flexibility, strength and independent movement.

## ATHLETICS

**Grade Placement:** 9-12

**Prerequisite:** Selection by Coaches

**Credit/GP:** 1/2-1 / Standard/ Course #:

Athletics is provided as an extracurricular activity for both male and female students who possess such abilities. Competition is provided in football, basketball, volleyball, soccer, track, golf, tennis, cross country, softball, swimming and baseball. These team classes are taught from one to four quarters. Students may not receive more than one state credit in athletics and/or physical education each year.

## CHEERLEADING

**Grade Placement:** 9-12

**Prerequisite:** Selection (Tryouts). Candidate must meet U.I.L. grade requirements

**Credit/GP:** 1 / Standard (Fall-P.E. / Spring-Local)

The candidacy for selection will be open to all eligible students who meet the requirements, sign up for selection, and attend the practice workshops. Age requirements for each squad are as follows: current sophomores and juniors are eligible to tryout for the Varsity squad, current freshmen are eligible to tryout for the JV squad, and current eighth grade students are eligible to tryout for the Freshman squad.

## JV-DANCE (JV-DRILL TEAM)

**Grade Placement:** 9-11

**Prerequisite:** Selection

**Credit/GP:** 1 / Standard (Fall - P.E. / Spring - Fine Arts)

**Course #:** A1NDJ0

Pre-Dance is a full year course specifically designed to teach individuals the necessary dance skills needed to be able to successfully audition for the drill team at the end of the school year. The JV Dance team is a support group for the Panther Pride. Expenses include two uniforms, shoes, socks, sweater, gloves, and sweat pants.

## DANCE (DRILL TEAM)

**Grade Placement:** 10-12

**Prerequisite:** Selection

**Credit/GP:** 1 / Standard

**Course #:** A1NDS0, A2NDS0, A3NDS0

Dance is a full year course for sophomores, juniors and seniors only, that involves performing in dance routines for all varsity football games, basketball games, dance competitions, and a spring variety show. Expenses include a full uniform, hat, boots, shoes, socks, gloves, tote and travel bag, leotards, practice warm-ups, and many other accessories at an estimated initial cost of \$1,000.00. Try-outs are held each spring for a two-week practice and judging session.



## LANGUAGES OTHER THAN ENGLISH

### **SPANISH I (Novice Progress Checkpoint)**

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit/GP:** 1/ Standard /Course #: L1NSP0

Using age appropriate activities, students develop the ability to perform the tasks of the novice language learner. The novice language learner, when dealing with familiar topics, should: understand short utterances when listening and respond orally with learned material; produce learned words, phrases, and sentences when speaking and writing; detect main ideas in familiar material when listening, and reading; make lists, copy accurately, and write from dictation; recognize the importance in communication to know about the culture; and recognize the importance of acquiring accuracy of expression by knowing the components of the language including grammar. This is a full term course.

### **SPANISH II (Completion of Novice Progress Checkpoint)**

**Grade Placement:** 9-12

**Prerequisite:** Spanish I

**Credit/GP:** II Standard/ Course #: L2NSP0

Spanish II will expand upon the tasks and knowledge of the novice language learner as presented in Spanish I. This is a full term course.

### **SPANISH II Advanced (High Novice Checkpoint)**

**Grade Placement:** 9-11

**Prerequisite:** Spanish I

**Credit/GP:** I/Weighted /Coursen: L2PSP0

For advanced language learners who seek to complete AP testing in Spanish Language and/or Spanish Literature. Students should be able to handle a variety of simple communicative tasks in various tenses (past, present, and future). Conversation includes topics necessary for survival and straightforward social situations. Listening skills will include understanding of longer utterances. Students will produce sentence and paragraph length discourse when writing and speaking. They will be able to detect main ideas and some details when listening and reading. This is a full term course.

### **SPANISH III Advanced (Intermediate Progress Checkpoint)**

**Grade Placement:** 9-12

**Prerequisite:** Spanish II or Spanish for Spanish Speakers I

**Credit/GP:** 1 / Weighted /Course #: L3PSP0

For advanced language learners who seek to complete AP testing in Spanish language and literature while in high school. Entering students should be able to handle a variety of skills in listening, speaking, reading, and writing. Students will learn to ask for and give information; develop culturally appropriate social skills; learn to communicate meaning in more complicated practical and social situations; meet practical and social writing needs; use components of language, including grammar, accurately. Use literature, newspapers, and the web for experience with authentic materials in Spanish. This is a full term course. This course adheres to Angelina College curriculum and requirements for SPAN 2311. Angelina College course bypass must be met to enroll into SPAN 2311.

### **SPANISH III Advanced Dual Language**

**Grade Placement:** 9-12

**Prerequisite:** Spanish dual Middle School from 6th, 7th and 8th grade.

**Credit/GP:** 1 / Weighted /Course #: L3PDL0

For advance language learners who seek to complete the dual program courses at the High School with the ultimate goal to take the Spanish AP language test and the Spanish AP literature during their 11th and 12th grade. This course includes advanced conversation, discussion, grammar and composition with intensive readings of literature and current periodicals in Spanish.

### **SPANISH IV Advanced (High Intermediate Progress Checkpoint)**

**Grade Placement:** 10-12

**Prerequisite:** Spanish III Pre-AP or Spanish for Spanish Speakers II

**Credit/GP:** 1 / Weighted /Course #: L4PSP0

Spanish IV Pre-AP will expand upon the tasks and knowledge of intermediate and low-advanced language learners as well as providing continued exposure to literature. Students will learn to ask and answer questions which require advanced vocabulary and grammar. Students will give oral presentations and written opinions. Students will write multiparagraph essays using appropriate syntax and conventions of language. They will understand more advanced dialogs, reports, news, poetry and prose when listening or reading. This is a full term course.

### **SPANISH V AP LANGUAGE (Advanced Progress Checkpoint)**

**Grade Placement:** 11-12

**Prerequisite:** Spanish IV Pre-AP

**Credit/GP:** 1 / Weighted /Coursen: L5ASP0

An AP Spanish Language course is comparable to an advance level (5th and 6th semester or the equivalent) college Spanish Language course. This course focuses on the use of Spanish for active communication, encompassing aural/oral skills, reading comprehension, grammar, and composition. The course objectives are to help the student: comprehend formal and informal spoken Spanish; acquire vocabulary and understand the structure of newspaper and magazine articles, as well as, modern literature in Spanish; compose expository passages; and express ideas orally with accuracy and fluency. This course seeks to develop language skills that are useful in themselves and that can be applied to various activities and disciplines, rather than to the mastery of any specific subject matter. Students receive extensive training in the organization and writing of compositions as an integral part of this AP course. This is a full term course.

### **SPANISH VI AP LITERATURE**

**Grade Placement:** 11-12

**Prerequisite:** Spanish VAP

**Credit/GP:** 1 / Weighted/ Course #: L6ASP0

An AP Spanish Literature course is comparable to a third year college course. Introduction to Hispanic Literature. It is based on a required reading list. The works on the list are of literary significance and represent various historical periods, literary movements, genres, geographic areas, and population groups within the Spanish speaking world. The objective of the course is to help the student interpret and analyze literature in Spanish. This is a full term course.

### **SPANISH FOR SPANISH SPEAKERS I**

**Grade Placement:** 9-12

**Prerequisite:** Native Spanish speaker

**Credit/GP:** 2/ Standard (equivalent to Spanish I and II)

**Course#:** L2NS10/L2NS20

Spanish for Spanish Speakers is an accelerated course for high school Spanish speakers who are conversant in their native language but may have had little or no formal instructional training in the language. Stress will be placed upon reading skills and grammar skills. It is the equivalent of Spanish I and II for non-native speakers. This course is linked to TEKS objectives. This is a full term course.

### **SPANISH FOR SPANISH SPEAKERS II**

**Grade Placement:** 9-12

**Prerequisite:** Spanish For Spanish Speakers I

**Credit/GP:** 1 / Standard (equivalent to Spanish III)

**Course #:** L3NSS0

Spanish for Spanish Speakers II will provide more opportunities for Spanish speaking students who have little or no formal instruction in their native language other than Spanish for Spanish Speakers I. This course responds to the need for further development in vocabulary, spelling, grammar, reading, and writing activities for the Spanish-speaking student. Spanish for Spanish Speakers II is also an exploration of the history, culture, literature and diversity of the Spanish speaking world.



## **SPANISH II DUAL CREDIT**

**Grade Placement:** 9-11

**Prerequisite:** Spanish I and TSIA/TSIA2

**Credit/GP:** 1/Weighted /Course #: L2ADC0

Students enrolled in Spanish II Dual Credit will be required to meet standards of both Spanish II with Lufkin High School, as well as, meeting the requirements for Angelina College. This is a full term course for which students are responsible for tuition unless otherwise noted. This course adheres to Angelina College curriculum and requirements for SPAN 1412, Beginning Spanish II. Angelina College course bypass must be met to enroll into SPAN 1412.

## **SPANISH III DUAL CREDIT**

**Grade Placement:** 9-11

**Prerequisite:** Spanish I, II and TSIA/TSIA2

**Credit/GP:** 1 / Weighted /Course #: L3ADC0

Students enrolled in Spanish III Dual Credit will be required to meet standards of both Spanish III with Lufkin High School, as well as, meeting the requirements for Angelina College. This is a full term course for which students are responsible for tuition unless otherwise noted. This course adheres to Angelina College curriculum and requirements for SPAN 2311, Intermediate Spanish I. Angelina College course bypass must be met to enroll into SPAN 2311.

## **SPANISH IV DUAL CREDIT**

**Grade Placement:** 9-11

**Prerequisite:** Dual Language Spanish I-III and TSIA/TSIA2

**Credit/GP:** 1 / Weighted /Course #: L4ASPD

Students who have completed the Dual Language Program through 8th grade and have credits for Spanish I through III may enroll in Spa IV Dual Credit and will be required to meet standards of both Spanish IV with Lufkin High School, as well as, meeting the requirements for Angelina College. This is a full term course for which students are responsible for tuition unless otherwise noted. This course adheres to Angelina College curriculum and requirements for SPAN 2311, Intermediate Spanish I. Angelina College course bypass must be met to enroll into SPAN 2311.

## **LANGUAGE ARTS**

### **ENGLISH COURSES**

#### **ENGLISH I**

**Grade Placement:** 9

**Prerequisite:** None

**Credit/GP:** 1 / Standard/ Course #: E1N000 (all year course)

Students enrolled in this course will develop and sustain the foundational language skills: reading, writing, speaking, and listening. Students will recognize and analyze genre-specific characteristics, structures, and purposes within and across increasingly complex traditional, contemporary, classical and diverse texts and determine how the characteristics influence and communicate meaning. Texts analyzed will include short stories, arguments, informational texts, poetry, and drama. In addition, students will respond to the texts they analyze through writing, collaboration, and oral communication. Students will write expository essays, arguments, poetry, and dramas in order to facilitate their understanding of the texts they analyze. Students will also learn grammar such as parts of speech and functions as well as other conventions of English in order to revise and edit their own writing to ensure clarity, coherence, organization, and sentence fluency.

#### **ENGLISH I ADVANCED**

**Grade Placement:** 9

**Prerequisite:** None

**Credit/GP:** 1 / Weighted/ Course #: E1P000 (all year course)

English I Advanced is a rigorous, advanced-level course that will engage students in an intensive study of advanced texts in an effort to prepare them for the Advanced Placement Language and Composition and the Literature and Composition courses. Students will recognize and analyze genre-specific characteristics, structures, and purposes within and across increasingly complex traditional, contemporary, classical and diverse texts and determine how the characteristics influence and communicate meaning. Texts analyzed will include novels, short stories, arguments, informational texts, poetry, and drama. In addition, students will respond to the texts they analyze through writing, collaboration, and oral communication. Students will write expository essays, arguments, poetry, literary analysis and dramas in order to facilitate their understanding of the complex texts they analyze. Students will also learn grammar such as parts of speech and functions as well as other conventions of English in order to revise and edit their own writing to ensure clarity, coherence, organization, and sentence fluency. Students in this course are held to a higher level of expectation in relation to work ethic, self-learning, and responsibility.

#### **ENGLISH I ADVANCED G/T**

**Grade Placement:** 9

**Prerequisite:** Committee Selection; 8th Grade Reading STAAR Level II-Approaches Grade Level

**Credit/GP:** 1/Weighted /Course #: E1PGT0

English I GT is a course designed to meet the needs and learning styles of those students identified as gifted and talented in the language arts. Students are selected for the course by a faculty committee and must be identified as gifted and talented. English I GT is a rigorous, advanced-level course that will engage students in an intensive study of advanced texts in an effort to prepare them for the Advanced Placement Language and Composition and the Literature and Composition courses while also keeping in mind how the GT student learns. Advanced texts include a close examination of humanity studies such as the Old and New Testaments as literature, The Iliad, Greek myths, etc. In addition, students will study various art forms inspired by classical literature in order to enhance their learning and their curiosity. Emphasis is on independent learning through research and presentation. Students will write expository essays, arguments, poetry, literary analysis and dramas in order to facilitate their understanding of the complex texts they analyze. Students will also learn grammar such as parts of speech and functions as well as other conventions of English in order to revise and edit their own writing to ensure clarity, coherence, organization, and sentence fluency. Students in this course are held to a higher level of expectation in relation to work ethic, self-learning, and responsibility.

Note: Students must complete a summer reading assignment prior to entering this course.



## ENGLISH II

**Grade Placement: 10**

**Prerequisite: English I**

**Credit/GP: 1 / Standard /Course #: E2N000 (all year course)**

Students enrolled in English II continue to develop and sustain the foundational language skills: reading, writing, speaking, and listening. Students will recognize and analyze genre-specific characteristics, structures, and purposes within and across increasingly complex traditional, contemporary, classical and diverse texts and determine how the characteristics influence and communicate meaning. Texts analyzed will include short stories, arguments, informational texts, poetry, and drama. In addition, students will respond to the texts they analyze through writing, collaboration, and oral communication. Students will write persuasive essays, arguments, poetry, and dramas in order to facilitate their understanding of the texts they analyze. Students will also learn grammar such as parts of speech and functions as well as other conventions of English in order to revise and edit their own writing to ensure clarity, coherence, organization, and sentence fluency.

## ENGLISH II ADVANCED

**Grade Placement: 10/Passed EOC**

**Prerequisite: English I EOC Level II-Approaches Grade Level**

**Credit/GP: 1 / Weighted /Course #: E2P000 (all year course)**

Students enrolled in English II Advanced continue to engage in an intensive study of advanced texts in an effort to prepare them for the Advanced Placement Language and Composition and the Literature and Composition courses. Students will recognize and analyze genre-specific characteristics, structures, and purposes within and across increasingly complex traditional, contemporary, classical and diverse texts and determine how the characteristics influence and communicate meaning. Texts analyzed will include novels, short stories, arguments, informational texts, poetry, and drama. In addition, students will respond to the texts they analyze through writing, collaboration, and oral communication. Students will write persuasive essays, arguments, poetry, literary analysis and dramas in order to facilitate their understanding of the complex texts they analyze. Students will also learn grammar such as parts of speech and functions as well as other conventions of English in order to revise and edit their own writing to ensure clarity, coherence, organization, and sentence fluency. Students in this course are held to a higher level of expectation in relation to work ethic, self-learning, and responsibility. Note: Students must complete a summer reading assignment prior to entering this course.

## ENGLISH II ADVANCED / G/T

**(History of Art, World History AP, and World Literature)**

**Grade Placement: 10**

**Prerequisite: English I PAP G/T; English I EOC Level II-Approaches Grade Level**

**Credit/GP: 3 Weighted /Course #: E2PGT0, H2AGT0, F2AGT0**

English II GT is a course designed to meet the needs and learning styles of those students identified as gifted and talented. Students in this course must have taken the English I GT program to qualify and be identified as a gifted and talented learner. This course is an integrated studies program in which students will receive weighted credit in three areas of study: English Advanced, World History AP, and the History of Art AP. Two AP exams are required in this course at the end of the year. Students will engage in an intensive study of advanced texts in an effort to prepare them for the Advanced Placement Language and Composition and the Literature and Composition courses. Students will recognize and analyze genre-specific characteristics, structures, and purposes within and across increasingly complex traditional, contemporary, classical and diverse texts and determine how the characteristics influence and communicate meaning. Students will write persuasive essays, arguments, and literary analysis in order to facilitate their understanding of the complex texts they analyze. Students will also learn grammar such as parts of speech and functions as well as other conventions of English in order to revise and edit their own writing to ensure clarity, coherence, organization, and sentence fluency. Students in this course are held to a higher level of expectation in relation to work ethic, self-learning, and responsibility. In addition, students will study the evolution of art, specific pieces and artists, art periods, and the influence of history on those periods. Students must write essays about the art studied. Students will study the history of the world, specific cultures, religions, etc. and write document based essays.

Note: Students must complete a summer reading assignment prior to entering this course.

## ENGLISH III

**Grade Placement: 11**

**Prerequisite: English II**

**Credit/GP: 1 / Standard /Course #: E3N000**

Students enrolled in English III continue to develop and sustain the foundational language skills: reading, writing, speaking, and listening. Students will recognize and analyze genre-specific characteristics, structures, and purposes within and across increasingly complex traditional, contemporary, classical and diverse texts and determine how the characteristics influence and communicate meaning. Texts analyzed will include short stories, arguments, informational texts, poetry, and drama. In addition, students will respond to the texts they analyze through writing, collaboration, and oral communication. Students will write persuasive essays, arguments, literary analysis, and poetry in order to facilitate their understanding of the texts they analyze. Students will also learn grammar such as parts of speech and functions as well as other conventions of English in order to revise and edit their own writing to ensure clarity, coherence, organization, and sentence fluency.

## ENGLISH III DUAL CREDIT ENGL 1301-1302

**Grade Placement: 11**

**Prerequisite: English II and TSIA/TSIA2**

**Credit/GP: 2 / Weighted /Course: E3A010/E3A020**

Students enrolled in English III - Dual Credit will be required to meet standards of both English III as set by Lufkin High School, as well as, English 1301 and 1302 as set by Angelina College. This course is a year long class, for which students are responsible for books and tuition unless otherwise noted. Contact the Counseling Office for further information. NOTE: Students will complete a summer reading assignment prior to entering this course.

## ENGLISH III AP LINK

**Grade Placement: 11**

**Prerequisite: English II EOC Level II- Approaches**

**Credit/GP: 2 / Weighted/Passed**

**Course #:E3AIS5/E3ALG5(Fall) E3A000 (Spring)**

Students in English III AP Link will complete the AP curriculum in English Language and Composition (an 18-week course) as well as the course in Literary Genres. (The course description for Genres follows). Neither part of the course may be taken independently. The language course focuses on the rhetoric non-fiction writers use.

### Literary Genres

Students enrolled in Literary Genres will spend time analyzing fictional and poetic elements of literature and reading to appreciate the writer's craft. High school students will discover how well-written literary texts can serve as models for their own writing. High school students respond to texts through such varied avenues as talk, print, and electronic formats to connect their knowledge of the world with the text being read. NOTE: Students will complete a summer reading assignment prior to entering this course.

## ENGLISH IV

**Grade Placement: 12**

**Prerequisite: English III**

**Credit/GP: 1 / Standard /Course #: E4N000**

Students enrolled in English IV continue to develop and sustain the foundational language skills: reading, writing, speaking, and listening. Students will recognize and analyze genre-specific characteristics, structures, and purposes within and across increasingly complex traditional, contemporary, classical and diverse texts and determine how the characteristics influence and communicate meaning. Texts analyzed will include short stories, arguments, informational texts, poetry, and drama. In addition, students will respond to the texts they analyze through writing, collaboration, and oral communication. Students will write persuasive essays, arguments, persuasive speeches, and poetry in order to facilitate their understanding of the texts they analyze. Students will also learn grammar such as parts of speech and functions as well as other conventions of English in order to revise and edit their own writing to ensure clarity, coherence, organization, and sentence fluency.



**College Preparatory English****Grade Placement: 12****Prerequisite: NONE****Credit/GP: 1 / Standard /Course #: E4NCP0**

This course is intended for 12th grade students whose performance on an EOC exam does not meet college readiness standards, or coursework, college entrance exam (SAT/ACT), or college placement exam (TSIA2) indicates the student is not ready for college-ready coursework. College Preparatory English is designed to help students meet college entrance requirements (TSIA2 testing) and to be ready for entry-level college ELA coursework. Students will engage in a concentrated study of analytical reading and writing processes to prepare for career and college opportunities. Instruction in this course will align to the Texas Career and College Readiness Standards (CCRS), the Texas Essential Knowledge and Skills (TEKS) of English IV, as well as the Texas Success Initiative Framework for College Reading. This course may count as an Advanced English Credit to earn an endorsement under the Foundation High School Program. This course will count as English IV for students under the Foundations Programs. Students must take an exam prepared by Angelina College at the end of the semester.

**ENGLISH IV DUAL CREDIT ENGL 1301-1302****Grade Placement: 12****Prerequisite: English III and TSIA/TSIA2****Credit/GP: 2 / Weighted /Course: E4A010/E4A020**

Students enrolled in English IV - Dual Credit will be required to meet standards of both English IV as set by Lufkin High School, as well as, English 1301 and 1302 as set by Angelina College. This course is a year long class, for which students are responsible for books and tuition unless otherwise noted. Contact the Counseling Office for further information.

NOTE: Students will complete a summer reading assignment prior to entering this course.

**ENGLISH IV DUAL CREDIT ENGL 2323-2311****Grade Placement: 12****Prerequisite: English 1301 TSIA/TSIA2****Credit/GP: 2/ Weighted Course: E4AF30-E4AS40**

Students enrolled in English IV Dual Credit will be required to meet standards of both English IV as set by Lufkin High School, as well as, ENGL 2311 & 2323 as set by Angelina College. This course is a year long class, for which students are responsible for books and tuition unless otherwise noted. Contact the Counseling Office for further information.

NOTE: Students will complete a summer reading assignment prior to entering this course.

**ENGLISH IV AP LINK****Grade Placement: 12****Prerequisite: English III****Credit/GP: 2/ Weighted****Course: E4A000/E4AHU0**

Students in English IV AP Link will complete the AP curriculum in English Literature and Composition (an 18-week course) as well as the course in Humanities (an 18-week course). (The course description for Humanities follows.) Neither part of the course may be taken independently. One AP test is required at the end of this course.

**Humanities**

This is an interdisciplinary course in which students recognize writing as an art form. Students read widely to understand how various authors craft compositions for various aesthetic purposes. This course includes the study of major historical and cultural movements and their relationship to literature and the other fine arts. Humanities is a rigorous course of study in which high school students respond to aesthetic elements in texts and other art forms through outlets such as discussions, oral interpretations, and dramatizations. All students are expected to participate in classroom discussions and presentations that lead to an understanding, appreciation, and enjoyment of critical, creative achievements throughout history. Students will write to analyze various genres of complex literature, particularly from British Literature.

NOTE: Students will complete a summer reading assignment prior to entering this course.

**APPLIED ENGLISH****Grade Placement: 9-12****Prerequisite: ARD Committee Decision****Credit/GP: 1 / Modified****Course#:**

These courses provide instruction to students on an alternate scope and sequence to accommodate varying learners. Students will develop skills that correspond to TEKS objectives for the student's present level of performance. These courses provide a smaller student to teacher ratio.

**READING I****Grade Placement: 9-12****Prerequisite: None****Credit/GP: 1/2 - 1 / Standard /Course #: E0NR10**

This course offers students instruction in vocabulary development, decoding skills, and comprehension strategies which will ensure a high school student the opportunity to read with competence, confidence, and understanding. Students are given the opportunities to locate information in varied sources, to read critically, to evaluate sources, and to draw supportable conclusions. Students learn how various texts are organized and how authors choose language for effect. All of these strategies are applied in texts that cross the subject fields.

**READING II****Grade Placement: 9-12****Prerequisite: Reading I****Credit/GP: 1/ Standard /Course #: E0NR20**

Reading II is a continuation of Reading I for students who need assistance with vocabulary development, decoding skills and comprehension strategies. Students are given the opportunity to read critically, evaluate sources and draw supportable conclusions.

**ENGLISH EOC REMEDIATION****Grade Placement: 11-12****Prerequisite: Non- Master of EOC****Credit/GP: 1/2 / Local/Standard/ Course #:E0N005**

This course is offered for the student who has not met Level II satisfactory on English 1 EOC or English 2 EOC. Emphasis is placed on practice testing, test analysis, skill review, and individualized instruction. The EOC retest will be given in December, May, and July.

**SPEECH COURSES****DEBATE I****Grade Placement: 9-12****Prerequisite: Communication Applications for Debaters****Credit/GP: 1/2 / Standard /Course #: J1NDB5**

Debate is an academically challenging full term course. This course is designed to provide interscholastic competition preparation in Cross-Examination Team Debate, Lincoln-Douglas Individual Debate, and Student Congress Parliamentary Debate. Participation in interscholastic competition is expected.

**COMMUNICATION APPLICATIONS FOR DEBATERS****Grade Placement: 9-12****Prerequisite: None****Credit/GP: 1/2 / Standard /Course #: J0NDB5**

Highly verbal students who are interested in competitive speech and/or careers in law, public relations, education or other speech intensive areas will benefit from this class which satisfies the state requirements for speech and includes interscholastic debate competition and opportunity for membership on the LHS Debate and Speech Team. Participation in interscholastic competition and LHS Debate Summer Camp attendance (free to all Lufkin ISD students) is expected.



## JOURNALISM

### JOURNALISM

**Grade Placement:** 9-12

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** J0N000

Students enrolled in this course are expected to plan, draft and complete newspaper style articles on a regular basis, carefully examining their papers for clarity, accuracy, engaging language and the correct use of the conventions and mechanics of written English. Students are expected to write in a variety of forms and for a variety of audiences and purposes.

### PHOTOJOURNALISM

**Grade Placement:** 10-12

**Prerequisite:** Art I

**Credit/GP:** 1/2 **Standard /Course #:** J0NPJ5

Students enrolled in Photojournalism will focus on digital photography to communicate for a variety of audiences and purposes. Students are expected to plan, prepare, produce, interpret, and critique visual representation, carefully examining their product for publication.

### VISUAL MEDIA ANALYSIS AND PRODUCTION

**Grade Placement:** 11-12

**Prerequisite:** None

**Credit/GP:** 1/2 **Standard /Course #:** J0NAV5

This course surveys mankind's visual media production, from prehistoric cave paintings and medieval manuscripts to modern advertising and graffiti. Students will learn to think critically about the modern, media-rich world as well as use traditional and digital tools to produce a wide variety of visual media.

### ADVANCED JOURNALISM: NEWSPAPER

**Grade Placement:** 10-12

**Prerequisite:** Selection

**Credit/GP:** 1 / **Standard /Course #:** J1NNP0 (I), J2NNP0 (II), J3NNP0 (III)

Students further enhance journalistic writing styles, ethics and standards. Writing, technology, and visual and electronic media are used as tools for learning. Students will refine and enhance their journalistic skills, research self-selected topics, and plan, organize and prepare projects. Students will publish the student newspaper, Panther Growls and manage panthergrowls.org, the online student newspaper.

## MATHEMATICS

### APPLIED MATH

**Grade Placement:** 9-12

**Prerequisite:** ARD Committee Decision

**Credit/GP:** 1 / **Modified**

**Course #:**

These courses provided instruction to students on an alternate scope and sequence to accommodate varying learners. Students will develop skills that correspond to TEKS objectives for the student's present level of performance. These courses provide a smaller student to teacher ratio.

### ALGEBRA I

**Grade Placement:** 9

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** M1N000

In this 36 -week course students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. Content will be presented using a variety of teaching methods incorporating different manipulative activities to provide the student with skills necessary for solving real world applications and mastery of the STAAR Algebra I End of Course Exam. Students will use the graphing calculator often. Class time will be fully utilized, and homework will be given daily.

### ALGEBRA I EOC

**Grade Placement:** 10-12

**Prerequisite:** Failure to meet passing standards of Alg. I EOC

**Credit/GP:** 1 / **Standard**

**Course #:** MINRP0

This course is designed for students who were not successful in Algebra I as a freshman, or were not successful on the Algebra I EOC. If the student did not meet level II satisfactory scoring this course is designed to help the student become successful. At the end of the course the student will take the Algebra I EOC again. This full term (18 week) course includes all aspects of the full year Algebra I course, students will become more familiar with the graphing calculator, and standardize test taking skills will be taught. . Class time will be fully utilized, and homework will be given daily.

### ALGEBRA I ADVANCED

**Grade Placement:** 8-9

**Prerequisite:**

**Credit/GP:** 1 / **Weighted (All Year Course)**

**Course #:** M1P000

This course is a 36 week enriched and accelerated fast-paced rigorous course which emphasizes basic algebraic concepts and extends higher level thinking skills. Students will become familiar with the graphing calculators in their study of algebraic concepts and use them to investigate problem-solving situations. This course is to prepare students for entry into the AP Mathematics program. Students will be expected to have a thorough mastery of all arithmetic skills. Technology will be an integral part of this course. Students must have a graphing calculator. Students taking this course will be treated as independent thinkers and problem solvers. Functional relationships, real-life situations and logical reasoning will be stressed as well as all Algebra I concepts and TEKS. Independent study and research will be required. Due to the large number of concepts covered, class time may not be available for reviewing for tests. Consistent independent study will be required for success in this course. Class time will be fully utilized, and homework will be given daily.

### GEOMETRY

**Grade Placement:** 10-12

**Prerequisite:** Algebra I

**Credit/GP:** 1 / **Standard /Course #:** M2N000

Geometry is an 18 week course that is academically challenging and accessible to all students with the appropriate algebra knowledge and skills. In Geometry, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I to strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs, explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Probability and statistics have been added to the geometry curriculum to ensure students have proper exposure to these topics before pursuing their post-secondary education. Students will have some access to technology that allows geometric constructions, coordinating graphing, algebraic analysis, and computation. A graphing calculator will be used daily. Class time will be fully utilized, and homework will be given daily.



## **GEOMETRY ADVANCED**

**Grade Placement: 9-11**

**Prerequisite: Algebra I**

**Credit/GP: 1 / Weighted Course #: M2P000**

Geometry Advanced is a full term 18 week enriched and very fast-paced rigorous course. Students will be expected to have a thorough mastery of all arithmetic skills and Algebra I. Algebra I skills will not be retaught. Technology will be an integral part of this course. Students should have a graphing calculator. Students taking this course will be treated as independent thinkers and problem solvers. Geometric relationships, real-life situations and logical reasoning will be stressed as well as all Geometry concepts and TEKS. Independent study and research will be required. Due to the large number of concepts covered, class time may not be available for reviewing for tests. Consistent independent study will be required for success in this course. Additional emphasis will be placed on proofs, the application of skills, and the generalization of rules. Individual and group projects will be required. Class time will be fully utilized, and homework will be given daily.

## **ALGEBRA II**

**Grade Placement: 10-12**

**Prerequisite: Algebra I**

**Credit/GP: 1 / Standard /Course #: M4N000**

Algebra II is a fast paced full term 18 week course. Technology will be an integral part of this course. A graphing calculator will be needed on a regular basis. Students must be proficient in all areas of arithmetic and Algebra I skills. In Algebra II, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. Some independent study and research will be required. Class time will be fully utilized, and homework will be given daily.

## **ALGEBRA II ADVANCED**

**Grade Placement: 10-11**

**Prerequisite: Algebra I**

**Credit/GP: 1 / Weighted /Course #: M4P000**

Algebra II Advanced is a full term 18 week enriched and very fast-paced rigorous course. Students will be expected to have a thorough mastery of all arithmetic skills and Algebra I. Algebra I skills will not be retaught. Technology will be an integral part of this course. Students must have a graphing calculator. Students taking this course will be treated as independent thinkers and problem solvers. Functional relationships, real-life situations and logical reasoning will be stressed. Independent study and research will be required. Due to the large number of concepts covered, class time may not be available for reviewing for tests. Consistent independent study will be required for success in this course. Class time will be fully utilized, and homework will be given daily.

\*Warning: If you plan to take Calculus AP your senior year and will be a junior then you will need to double up with Algebra 2 Advanced and Pre-Cal Advanced.

## **MATHEMATICAL MODELS WITH APPLICATIONS**

**Grade Placement: 10-12, Teacher/Math Dept. Recommendation**

**Prerequisite: Algebra I**

**Credit/GP: 1 / Standard /Course #: M3N000**

In the full term 18 week Mathematical Models with Applications course, students will continue to build on their mathematics foundations with limited calculator use. Students will use mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. (This course is not open to students with previous credit in Algebra II) Class time will be fully utilized and homework will be given daily.

## **STATISTICS**

**Grade Placement: 11-12**

**Prerequisite: Algebra II**

**Credit/GP: 1/2 -1 / Standard /Course #: M6NST0**

In Statistics, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

## **AP STATISTICS**

**Grade Placement: 11-12**

**Prerequisite: Algebra II with teacher recommendation**

**Credit/GP: 1 / Weighted /Course #: M6AST0**

AP Statistics provides college level work in statistics and will also include the topics of data analysis, probability and interdisciplinary applications. Technology will be an integral part of the course (graphing calculator will be used and required). The syllabus will be built around four broad conceptual themes: 1) Exploring Data: describing patterns and departures from patterns; 2) Sampling and Experimentation: planning and conducting a study; 3) Anticipating Patterns: exploring random phenomena using probability and simulation; 4) Statistical Inference: estimating population parameters and testing hypotheses.

## **STATISTICS DUAL CREDIT**

**Grade Placement: 11-12**

**Prerequisite: Algebra II and TSIA/TSIA2**

**Credit/GP: 1/2 -1 / Weighted /Course #: M6ADC0**

Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. This course adheres to Angelina College requirements to Math 1342. Students are responsible for books and tuition unless otherwise noted.

## **FINITE MATH DUAL CREDIT**

**Grade Placement: 11-12**

**Prerequisite: Algebra II and TSIA/TSIA2**

**Credit/GP: 1/2 -1 / Weighted /Course #: M5PDC0**

Finite math is a study in the mathematics of finance. Topics include mathematical functions and graphs, linear systems of equations, matrices, linear programming, permutations, combinations, and numerous applications. A graphing calculator is required. This course is intended for students who are interested in pursuing areas of business in college. This course adheres to Angelina College requirements for MATH 1324. This course is one semester long for which students are responsible for books and tuition unless otherwise noted. Contact the Counseling Office for further information.

## **PRE-CALCULUS**

**Grade Placement: 11-12**

**Prerequisite: Geometry**

**Credit/GP: 1 / Standard /Course #: M5N000**

Pre-Calculus includes the study and usage of functions. This will consist of all trigonometric functions, polynomials, logarithms, and an extension of those functions studied in Algebra II. Students need to be proficient in arithmetic, Geometry, Algebra II, and be familiar with the graphing calculator. Class time will be fully utilized, and homework will be given daily.



## **PRE-CALCULUS ADVANCED**

**Grade Placement:** 10-12

**Prerequisite:** Algebra II and Geometry

**Credit/GP:** 1/2 to 1 / **Weighted /Course #:** M5P000

Pre-Calculus Advanced is a full term 18 week enriched and very fast-paced rigorous course designed for the student who intends to take Calculus I AP. It will include the study and application of all functions learned in Algebra II Advanced, Advanced Geometry, and Advanced Algebra I. All concepts and TEKS of Pre-Calculus will be covered. A graphing calculator will be required. Due to the large number of concepts covered, class time may not be available for reviewing for tests. Consistent independent study will be required for success in this course. Class time will be fully utilized and homework will be given daily.

## **College Preparatory Math**

**Grade Placement:** 12

**Prerequisite:** Algebra I

**Credit/GP:** 1/Standard / **Course #:** M5NCP0

This course is intended for 12th grade students whose performance on an EOC exam does not meet college readiness standards; or coursework, college entrance exam (SAT/ACT), or college placement exam (TSI) indicates the student is not ready for college-level coursework. College Preparatory Math is designed to help students meet college entrance requirements (TSI testing) and to be ready for entry-level college math coursework. Students will study linear, quadratic, polynomial, rational and radical expressions, equations, and functions as well as probability and statistics. This course may count as a 4th mathematics credit for students graduating on the Foundation High School Program.

## **CALCULUS**

**Grade Placement:** 12

**Prerequisite:** Pre-Calculus or Pre-Calculus Advanced

**Credit/GP:** 1 / **Weighted /Course #:** M6NISO

Calculus is a full term 18 week course and will include topics in both differential and integral calculus but is not as rigorous as Calculus I AP. It is intended for the student who is trying to acquire background for college calculus but is not interested in advanced placement. Business applications in calculus will be introduced where applicable. An extensive working knowledge of algebra and pre calculus is required. Graphing calculators will be used, and experience with them is a must. Class time will be fully utilized and homework will be given daily.

## **CALCULUS I AP**

**Grade Placement:** 11-12

**Prerequisite:** Pre-Calculus

**Credit/GP:** 1 / **Weighted**

**Course #:** M6A000

Calculus I-AP is intended for students who are capable of college level mathematics and includes topics in both differential and integral calculus. An extensive working knowledge of algebra and pre-calculus is required. Graphing calculators will be used and prior experience with them is a must. Some assignments are web-based and require internet usage. This course is the most rigorous mathematics course offered by LHS. Consistent independent study will be required for success in this course. Class time will be fully utilized and homework will be given daily.

## **CALCULUS II AP**

**Grade Placement:** 12

**Prerequisite:** Calculus I AP

**Credit/GP:** 1 / **Weighted/ Course #:** M7A000

Calculus II is an extension and enhancement of Calculus I AP. It is intended for students who are capable of college level mathematics. Not only will Calculus II include topics in both differential and integral calculus, as in Calculus I, but it will include extensions and additional topics, as well as, related applications. An extensive working knowledge of algebra and pre-calculus is required. Graphing calculators will be used, and prior experience is a must. Consistent independent study will be required for success in this course. Class time will be fully utilized and homework will be given daily.

## **AP COMPUTER SCIENCE PRINCIPLES**

**Grade Placement:** 9-12

**Prerequisite:** Algebra I

**Credit/GP:** 1 / **Weighted /Course #:** M0ACPO

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

## **COMPUTER SCIENCE I ADVANCED**

**Grade Placement:** 9-12

**Prerequisite:** Algebra I and AP Computer Science Principles Preferred

**Credit/GP:** 1 / **Standard /Course #:** M0NCS0

This is a full term 18 week course that deals with computer literacy in learning the "Basic" language of computers. Students will learn to operate a computer and actually do program writing. The major part of the curriculum will deal with problem solving, and terminology. Consistent independent study will be required for success in this course. Class time will be fully utilized and homework will be given daily.

## **AP COMPUTER SCIENCE A**

**Grade Placement:** 9-12

**Prerequisite:** Algebra I and Computer Science I PreAP

**Credit/GP:** 1 / **Weighted /Course #:** M0ACSO

This is a full term 18 week course. Through the study of technology, students learn to make informed decisions about technology and its applications. The efficient acquisition of information includes the identification of task requirements, the use of search strategies, and the use of technology to access, analyze and evaluate acquired information. AP Computer Science A emphasizes programming methodology and procedures. It also includes the study of algorithms, data structures, and recursions. Consistent independent study will be required for success in this course. Class time will be fully utilized and homework will be given daily. This course may serve as the fourth math credit.

## **MATH LAB MGR/TUTOR**

**Grade Placement:** 12

**Prerequisite:** Algebra II, approved application, recommendation of at least one Math teacher, and approval of facilitator.

**Credit/GP:** 1/2 to 1 / **Local Course #:** M9NLM0

Math Lab is designed for those students who are interested in working with Math teachers as a student assistant. Some of the duties students will perform are peer tutoring, setting up math labs, demonstration of manipulatives, and working one-on-one with transfer students. Only students who have a strong desire to help others in learning mathematics will be accepted in this program.

# **SCIENCE**

All courses teach science as a way of learning about the natural world and that our knowledge of science has built a vast body of changing and increasing knowledge described in physical, mathematical, and conceptual models. Courses demonstrate nature as a vast system with an infinite number of subsystems made up of collections of cycles, structures and processes that constantly interact with each other and influence each other. In order to help students understand science, classes use field and laboratory experiences to investigate the natural world by observing systems and subsystems, and models of systems and subsystems. Forty percent of class time will be devoted to field and lab experiences.

For courses with a prerequisite, the prerequisite must be completed prior to the start of the science course. All students must complete Biology I or Biology I Advanced.



## PHYSICAL SCIENCES

### INTEGRATED PHYSICS & CHEMISTRY (IPC)

**Grade Placement 9-10**

**Prerequisite:** None **Credit/GP: 1 /Standard**

**Course #:S1N000**

IPC is an introductory class that is limited to the 9th or 10th grade years. This class gives students basic information about how their world works. The class integrates the disciplines of physics and chemistry in the following topics: motion; waves; energy transformations; properties of matter; changes in matter; and solution chemistry.

### CHEMISTRY I

**Grade Placement: 10-12**

**Prerequisite:** Algebra I and Biology

**Credit/GP: 1 / Standard /Course #: S3N000**

Chemistry allows students to study a variety of topics directly relating to their understanding of the chemical world. Topics studied include: characteristics of matter, energy transformations during physical and chemical changes, atomic structure, periodic table of elements, behavior of gases, bonding, nuclear fusion and fission, oxidation-reduction reactions, chemical equations, solutes, properties of solutions, acids and bases, and chemical reactions. Students who anticipate studying advanced science at LHS or in college should consider Chemistry I Advanced.

### CHEMISTRY ADVANCED

**Grade Placement: 10-12**

**Prerequisite:** Algebra I

**Credit/GP: 1 / Weighted Course #:S3P000**

Chemistry I Advanced is recommended for students who anticipate studying advanced science, especially Chemistry AP. The class will discuss all the topics listed under Chemistry I, but will do more intensive laboratory and field activities including synthesis-type lab work. This class will use selected AP lab procedures and AP testing format.

### AP CHEMISTRY II

**Grade Placement: 11-12; 10- With instructor approval**

**Prerequisite:** Algebra II and Chemistry I

**Credit/GP: 1 / Weighted /Course #:S5ACH0**

Chemistry II AP is recommended for students who desire a detailed study in an advanced science. The class follows the content requirements prescribed by the College Board. Students are responsible for detailed analytical lab work and extensive reading in the basic topics of chemistry. Students are expected to take the AP Chemistry Exam. Many colleges grant college credit for acceptable AP Exam scores.

### PHYSICS I

**Grade Placement: 10-12**

**Prerequisite:** Algebra I and Biology

**Credit/GP: 1 / Standard /Course #: S4N000**

Physics is required for all students who complete IPC in 2011-2012, 2012-2013, and 2013-2014. Physics allows students to study a variety of topics directly relating to their understanding of the world. Topics studied include: laws of motion, changes within physical systems and conservation of energy and momentum, force, thermodynamics, characteristics and behavior of waves, electricity, and quantum physics. Students who plan to study advanced science at LHS or in college should consider Physics I Advanced.

### PHYSICS I ADVANCED

**Grade Placement: 11-12 (10 with instructor approval)**

**Prerequisite:** Algebra II and Biology

**Credit/GP: 1 / Weighted /Course #: S4P000**

Physics I Advanced is recommended for students who anticipate studying advanced science, especially Physics AP. The class will discuss all the topics listed under Physics I, but will do more intensive laboratory and field work using synthesis-type lab work. This class will use selected AP lab procedures and AP testing format.

### PHYSICS II-AP PHYSICS C MECHANICS

**Grade Placement: 11-12**

**Prerequisite:** Pre-Calculus and Physics

**Credit/GP: 1 / Weighted /Course #: S5APH0**

AP Physics C Mechanics is a calculus based course and is recommended for students who desire a detailed study in an advanced science especially students with an interest in Engineering. The class follows the content requirements prescribed by the College Board. Students are responsible for detailed analytical lab work and extensive reading in the basic topics of physics. Students are expected to take the AP Physics C Mechanics Exam. Many colleges grant college credit for acceptable AP Exam scores.

### FORENSIC SCIENCE

**Grade Placement: 11-12**

**Prerequisite:** Biology & Chemistry. Completion of Anatomy and Physiology preferred.

**Credit/GP: 1 / Standard /Course #: S6NFS0**

Forensic science is a structured and scientific approach to the investigation of crimes, and the psychology of criminalist behavior. Students will learn basic terminology and investigative procedures related to crime scene, question building, interviewing, criminal behavior characteristics, truth detection methodology, and scientific procedures used to solve crimes. Students will have the opportunity to collect and analyze evidence through case studies and mock crime scenes. Lab activities will be based on crime scene scenarios and analyzing fingerprints, ballistics, and blood spatter. Students will learn about the history, legal aspects, ethics, and job related skills necessary for a career in forensic science or related fields.

## BIOLOGICAL SCIENCES

### BIOLOGY I

**Grade Placement: 9-11**

**Prerequisite:** None

**Credit/GP: 1 /Standard/ Course #: S2N000 (All Year Course)**

Topics studied include: structure and function 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, ecosystems, and plants and the environment. Biology I is a foundation class for all students interested in the health sciences. Students who anticipate studying advanced science at LHS or in college should consider Biology I Advanced.

### BIOLOGY I ADVANCED

**Grade Placement: 9-11**

**Prerequisite:** None

**Credit/GP: 1 /Weighted**

**Course #: S2P000 (All Year Course)**

Biology I Advanced is recommended for students who anticipate studying advanced science, especially Biology AP. The class will discuss all the topics listed under Biology I, but will do more intensive laboratory and field activities including synthesis-type lab work. This class will use selected AP lab procedures and AP testing format.

### APPLIED SCIENCE

**Grade Placement: 9-12**

**Prerequisite:** ARD Committee Decision

**Credit/GP: 1 / Modified**

Applied science courses offer instruction to students at their assessed level. Students will develop skills in areas of science that correspond to TEKS objectives for the student's present level of performance. These courses develop and understanding of principles of biology, physics, and chemistry.



## **BIOLOGY FOR NON-SCIENCE MAJORS I DUAL CREDIT**

**(Lecture + Lab) BIOL1408-1409**

**Grade Placement: 11-12**

**Prerequisite: Biology, Chemistry and TSIA/TSIA2**

**Credit/GP: 1/ Weighted/Course#:**

This course provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. This course adheres to Angelina College requirements for BIOL 1408. THIS COURSE IS NOT INTENDED FOR SCIENCE MAJORS. This course is one semester long for which students are responsible for books and tuition unless otherwise noted. Contact the Counseling Office for further information. Course will serve as a science credit.

## **BIOLOGY FOR SCIENCE MAJORS I & II DUAL CREDIT**

**(Lecture + Lab) BIOL 1406 & BIOL 1407**

**Grade Placement: 11-12**

**Prerequisite: Biology, Chemistry and TSIA 2**

**Credit/GP: 1/Weighted/Course #:**

Students enrolled in Biology 1406 & Biology 1407- Dual Credit will be required to meet standards for Science as set by Lufkin High School, as well as Angelina College. This course is a year-long class, for which students are responsible for books and tuition unless otherwise noted. This course is intended for Science Majors. This course will provide a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. Furthermore, this course also provides a survey of biological principles with emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology.

## **AP BIOLOGY II**

**Grade Placement: 10-12**

**Prerequisite: Biology I and Chemistry I**

**Credit/GP: 1 / Weighted /Course #: S5ABIO**

Biology II AP is recommended for students who desire a detailed study in an advanced science. The class follows the content requirements prescribed by the College Board. Students are responsible for detailed analytical lab work and extensive reading in the basic topics of biology. Students are expected to take the AP Biology Exam. Many colleges grant college credit for acceptable AP Exam scores.

## **ANATOMY & PHYSIOLOGY OF HUMAN SYSTEMS**

**Grade Placement: 11-12**

**Prerequisite: Biology and Chemistry**

**Credit/GP: 1 / Standard/ Course #:S6NHA0**

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, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Course will serve as a science credit. Students are responsible for books and tuition unless otherwise noted.

## **ANATOMY & PHYSIOLOGY OF HUMAN SYSTEMS DUAL CREDIT**

**Grade Placement: 11-12**

**Prerequisite: Biology, Chemistry and TSIA/TSIA2**

**Credit/GP: 1 / Weighted/ Course #:S6AHA0**

This course serves as a gateway to Angelina College Nursing and will adhere to the Angelina College curriculum and guidelines for BIOL 2401. 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, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. This course is one semester long for which students are responsible for books and tuition unless otherwise noted. Contact the Counseling Office for further information. Course will serve as a science credit.

## **MEDICAL MICROBIOLOGY**

**Grade Placement: 11-12**

**Prerequisite: Biology and Chemistry**

**Credit/GP: 1 Standard/ Course #: C5NMM5**

Students explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Course will serve as a science credit.

## **PATHOPHYSIOLOGY**

**Grade Placement: 11-12**

**Prerequisite: Biology and Chemistry**

**Credit/GP: 1 Standard /Course #: C5NPP5**

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. Course will serve as a science credit.

# **ENVIRONMENTAL SCIENCES**

## **AQUATIC SCIENCE**

**Grade Placement: 10-12**

**Prerequisite: Biology I and Chemistry I**

**Credit/GP: 1 / Standard /Course #: S6NAQ0**

Aquatic Science allows students to study a variety of topics relating to the aquatic world. Topics studied 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.

## **ENVIRONMENTAL SYSTEMS**

**Grade Placement: 11-12**

**Prerequisite: Biology I and Chemistry I or Physics I**

**Credit/GP: 1 / Standard /Course #: S6NEN0**

Environmental systems allows students to study a variety of topics relating to their lives in the world around them. Topics studied include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and environmental systems, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

## **AP ENVIRONMENTAL SCIENCE**

**Grade Placement 11-12 (10th Grade with Chemistry Co Requisite)**

**Prerequisite: Algebra I and Biology I and Chemistry I**

**Credit/GP: 1 / Weighted /Course #: S6AEN0**

Environmental Science AP is recommended for students who desire a detailed study in an advanced science. It follows the content requirements prescribed by the College Board. Students are responsible for detailed analytical lab work and extensive reading in the basic topics of the environmental sciences. Students are expected to take the AP Environmental Science Exam. Many colleges grant college credit for acceptable AP Exam scores.



## OTHER SCIENCES

### SCIENCE LAB MANAGER

**Grade Placement:** 12

**Prerequisite:** Three credits of Science and Application with two Science teacher recommendations and department approval.

**Credit/GP:** 1/2 or 1 / **Local Course #:** S9NLM0

Science Lab Management is designed for those students with the desire to learn the complexities of science laboratories. Students will work with the entire science faculty under the direction of the Science Instructional Coach. Students are expected to assume a high level of responsibility and will work with the faculty in a unique learning environment by assembling, delivering, and disassembling materials used in various science lab classes. Students may enroll for nine weeks or 18 weeks.

### SCIENCE EOC REMEDIATION

**Grade Placement:** 10-12

**Prerequisite:**

**Credit/GP:** 1/2 / **Local Course #:** S0N125

The class will review the five objectives addressed on the STARR Biology test and emphasize study and test-taking skills. This course may not be used as a 4th science credit.

## SOCIAL STUDIES

### WORLD GEOGRAPHY

**Grade Placement:** 9

**Prerequisite:** None

**Credit/GP:** 1 / **Standard /Course #:** H1N000

In World Geography, students examine people, places and environments at local, regional, national, and international levels from the spatial and ecological perspectives of geography. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major land forms, climates and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of world populations; relationships among people, places, and environments; and the concept of region.

### WORLD GEOGRAPHY ADVANCED

**Grade Placement:** 9

**Prerequisite:** None

**Credit/GP:** 1 / **Weighted /Course #:** HIP000

World Geography Advanced enhances regular geography through complex reading assignments and emphasis on writing skills. Students are consistently challenged to perform at rigorous academic levels in order to acquire the knowledge, concepts, and habits of mind that prepare them for enrollment in AP courses.

### WORLD HISTORY

**Grade Placement:** 10

**Prerequisite:** World Geography

**Credit/GP:** 1 / **Standard Course #:** H2N000

World History is the only course offering students an overview of the entire history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization, as well as in civilizations around the world.

### WORLD HISTORY ADVANCED

**Grade Placement:** 10

**Prerequisite:** World Geography

**Credit/GP:** 1/Weighted /**Course #:** H2P000

This course is designed for students who have achieved a high level of history and English skill. In addition to the elements listed in the World History course, there will be an emphasis on reading, writing and research. In this course students will be required to perform at a level that surpasses the expected norm of regular World History.

### U.S. HISTORY SINCE RECONSTRUCTION

**Grade Placement:** 11

**Prerequisite:** World History

**Credit/GP:** 1/ **Standard /Course #:** H3N000 (all year course)

In this course, which is the second part of a two-year study of U.S. History that begins in Grade 8, students study the history of the United States since Reconstruction to the present. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War and post-Cold War eras, and reform movements including civil rights.

### U.S. HISTORY SINCE RECONSTRUCTION DUAL CREDIT

**Grade Placement:** 11

**Prerequisite:** World History and TSIA/TSIA2

**Credit/GP:** 1/Weighted/ **Course #:** H3A010/H3A020 (all year course)

Students enrolled in US History - Dual Credit will be required to meet standards of both US History as set by Lufkin High School, as well as, History 1301 and 1302 as set by Angelina College. This course is a year long class, for which students are responsible for books and tuition unless otherwise noted. Contact the Counseling Office for further information.

### U.S. HISTORY AP

**Grade Placement:** 11

**Prerequisite:** World History

**Credit/GP:** 1/Weighted /**Course #:** H3A000 (all year course)

The Advanced Placement U.S. History course is a survey of U.S. history from 1492 to the present. The program prepares students for intermediate and advanced college courses by making demands on them equivalent to those made by 2-3 hour introductory college courses. Students will learn to assess historical materials - their relevance to a given problem, their reliability and their importance. The course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment, and to present reasons and evidence clearly and persuasively in essay form. The AP U.S. History course is a survey of U.S. history from the colonial period to the present day and is designed to include all elements in the national AP U.S. History course guide.

### GOVERNMENT

**Grade Placement:** 12

**Prerequisite:** U.S. History

**Credit/GP:** 1/2 / **Standard/ Course #:** H4N005

In Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state and local levels. This course is the culmination of the civic and governmental content and concepts studied from kindergarten through the required secondary courses. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Analysis of the major concepts of republicanism, federalism, checks and balances, popular sovereignty, and individual rights are included in the study. Also, the U.S. system of government is compared with other political systems.



**GOVERNMENT DUAL CREDIT GOVT 2305-2306****Grade Placement: 12****Prerequisite: US History and TSIA/TSIA2****Credit/GP: 1/Weighted/Course #: H4A050-H4A060**

Students enrolled in Government Dual Credit will be required to meet standards of both Government as set by Lufkin High School, as well as, GOVT 2305-2306 as set by Angelina College. This course is one semester long, for which students are responsible for books and tuition unless otherwise noted. Contact the Counseling Office for further information.

**GOVERNMENT AP****Grade Placement: 12****Prerequisite: U.S. History****Credit/GP: 1/2, 1/2/ Weighted /Course #: H4A005/H4AAS5**

AP Government gives students a thorough understanding of the structure and function of U.S. Government and a deep understanding of American politics. The course is taught at an accelerated pace and requires outside reading and studying. The curriculum includes all elements of the Advance Placement U.S. Government course guide. Credit awarded: 1/2 Advanced Study 1/2 AP Govt. - The Advanced Study credit is awarded the first nine weeks; the Advanced Placement credit is awarded the second nine weeks. Neither part of this course can be taken independently. Both parts of this course must be taken to receive the required Government credit.

**ECONOMICS****Grade Placement: 12****Prerequisite: U.S. History****Credit/GP: 1/2 / Standard /Course #: H5N005**

Economics with emphasis on the free enterprise system and its benefits is the culmination of the economic content and concepts studies from kindergarten through required secondary courses. The focus is on the basic principles concerning production, consumption, and distribution of goods and services in the United States, and a comparison with those in other countries around the world.

**PRINCIPLES OF MACROECONOMICS DUAL CREDIT****ECON2301****Grade Placement: 12****Prerequisite: US History and TSIA/TSIA2****Credit/GP: 1/Weighted/ Course #: H5A010**

Students enrolled in Economics Dual Credit will be required to meet standards of both Economics as set by Lufkin High School, as well as, ECON 2301 as set by Angelina College. This course is one semester long, for which students are responsible for books and tuition unless otherwise noted. Contact the Counseling Office for further information.

**MACRO-ECONOMICS AP****Grade Placement: 12****Prerequisite: U.S. History****Credit/GP: 1/2, 1/2 / Weighted /Course #: H5A005/H5AAS5**

AP Macroeconomics will give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price determination, while developing the students' familiarity with economic performance measures, economic growth, and international economics. Credit awarded: 1/2 advanced study - 1/2 AP Economics. The Advanced Study credit is awarded the first nine weeks; the Advanced Placement credit is awarded the second nine weeks. Neither part of this course can be taken independently. Both parts of this course must be taken to receive the required Economics credit.

**EUROPEAN HISTORY AP****Grade Placement: 11-12****Prerequisite:****Credit/GP: 1, Weighted /Course #: H4AEH0**

AP European History focuses on developing students' abilities to think conceptually about European history from approximately 1450 to the present and apply historical thinking skills as they learn about the past. Five themes of equal importance provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places.

**AFRICAN AMERICAN STUDIES****Grade Placement: 10-12****Prerequisite: None****Credit/GP: 1/Standard/Course #: H6NAA0**

African American Studies is a conceptually driven course that introduces students to the exploration of the rich and diverse history and culture of African Americans. The goal of this course is to broaden the knowledge and understanding of students interested in learning about history, citizenship, culture, economics, science, technology, geography, and the political realities of African Americans. These strands should not be taught in isolation but woven together in an integrated study that helps students understand the world in which we live. This course should provide students with an opportunity to engage with the social, economic, and political activities of African Americans in a way that allows them to make deep connections across the content. The historical content of this course should be taught with relevance to contemporary and current issues in order to ensure a deeper understanding for students.

**SOCIOLOGY****Grade Placement: 9-12****Prerequisite: None****Credit/GP: 1/2 / Standard / Course #: H6N005**

Sociology is a nine week elective course for all levels. It is an introductory course in the study of human relationships and social problems.

**PERSONAL FINANCIAL LITERACY****Grade Placement: 10-12****Prerequisite: None****Credit/GP: 1/2 / Standard / Course #: H6NPF5**

Personal Financial Literacy is a one-half credit elective course that will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. This interactive and research-based course will teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and post-secondary education and training.

**EOC SOCIAL STUDIES****Grade Placement: 12****Prerequisite:****Credit/GP: 1/2 / Local / Course I: H0NI25**

This course is offered for the student who has not met "Approaches Grade Level" on U.S. History EOC. Emphasis is placed on practice testing, test analysis, skill review, and individualized instruction. The EOC retest will be given in December, May, and July.

**APPLIED SOCIAL STUDIES****Grade Placement: 9-12****Prerequisite: ARD committee Decision****Credit/GP: 1/2/ Modified**

Applied social studies classes offer instruction to students at their assessed level. Students will develop skills in the social sciences that correspond to TEKS objectives for the student's present level of performance. These courses develop an understanding of people, places and environments at local, regional, national and international levels from the spatial and ecological perspectives of geography, offer students an overview of the entire history of humankind, and further the study of the history of the United States from Reconstruction to the present.



## **GENERAL PSYCHOLOGY DUAL CREDIT**

**Grade Placement: 9**

**Prerequisite: TSIA/TSIA2**

**Credit/GP: 1/ Weighted**

**Course #: H6ADC5**

In Psychology, an elective course, students study the science of behavior and mental processes. This course is taught over a 9 week period. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health, and social psychology. This course adheres to Angelina College curriculum and requirements for PSYC 2301. Students are responsible for books and tuition unless otherwise noted.

## **PSYCHOLOGY - LIFESPAN GROWTH AND DEVELOPMENT DUAL CREDIT**

**Grade Placement: 9**

**Prerequisite: TSIA/TSIA2**

**Credit/GP: 1/ Weighted**

**Course #: H7ADS5**

This course is taught over a 9 week period and is designed to provide an understanding of human behavior and characteristics from conception through death. This course includes information on physical, cognitive, personality, and social development. Theory, research, and applications are covered. This course adheres to Angelina College curriculum and requirements for PSYC 2314. Students are responsible for books and tuition unless otherwise noted.

## **OTHER COURSES**

### **ACADEMIC DECATHLON I, II, III**

**Grade Placement: 10-12**

**Prerequisite: None**

**Credit/GP: 1/Local**

This local credit class is open to those students who wish to compete in the United States Academic Decathlon. The class, which will be offered during the fall term only, may be repeated up to three times. In the class, students will prepare to compete in three practice meets and the regional meet.

### **LIBRARY/MEDIA CENTER STUDENT ASSISTANT**

**Grade Placement: 12**

**Prerequisite: Selection by Librarian**

**Credit/GP: NA**

This course is designed to stimulate and guide students in all phases of library experiences. All student Media Center aides will acquire specialized skills and knowledge relating to various library procedures while helping to maintain efficient working order in the media center. Students will show proficiency in information technology, filing, book shelving, audiovisual/computer technical skills, and current software. In addition, students will assist with displays, special projects, and moving large numbers of textbooks to and from the book room.

### **STUDENT OFFICE AIDE**

**Grade Placement: 12**

**Prerequisite: Selection Credit/GP: No Credit**

This course is designed to stimulate and guide students in enhancing skills needed in the work force. Seniors will have hands-on experience and show proficiency in filing, telephone etiquette, personal and interpersonal skills. Students will meet and ADDRESS the public as representatives of Lufkin High School.

### **LEARNING FRAMEWORKS DUAL CREDIT**

**Grade Placement: 9**

**Prerequisite: ECHS Acceptance**

**Credit/GP: 1/2 / Weighted / Course #:**

A study of the research and theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for this introductory college level course. Traditional study skills including strategies; note taking, reading, test preparation are the focus of this course. This course adheres to Angelina College curriculum and requirements for PSY/EDU.

## **ASSISTIVE TECHNOLOGY**

**Grade Placement: 9-12**

**Prerequisite: ARD Committee Decision**

**Credit/GP: 1/Standard/Course#:**

This course will provide instruction in assistive technology. Assistive technology provides access to print and electronic information using screenwriting software, screen magnification software/hardware, scanning and reading, braille access, voice recognition and switches. This course will educate students about a variety of technology choices to match the needs of individuals, and educate students who are interested in broadening their scope of technology, mainstream applications and specialized devices.

Students will learn and apply basic and assistive technology skills to access instructional materials and produce work. These skills include switch access, keyboarding, operating system navigation, file management, Internet browsing, word processing, presentation software and spreadsheets, and programs and devices specifically designed for students with visual impairments and those who struggle with reading.

## **BRILLE READING AND WRITING**

**Grade Placement: 9-12**

**Prerequisite: ARD Committee Decision**

**Credit/GP: 1/Standard/Course#:**

This course will provide instruction in pre-braille skills, tactual discrimination, the reading and writing of the braille code, and the development of efficient braille reading including fluency and comprehension. The braille reading and writing course will emphasize the conventions and mechanics of braille. It will, therefore, facilitate and support tasks completed in all subject areas and work environments. This curriculum for this course, Braille FUNDamentals, has been updated to be compliant with the newly adopted braille code- Unified English Braille (UEB). This includes the elimination of nine braille contractions, and changes in several punctuation marks. The updated curriculum will reflect the eliminations and other changes in each cluster in which they are taught.

## **ORIENTATION AND MOBILITY**

**Grade Placement: 9-12**

**Prerequisite: ARD Committee Decision**

**Credit/GP: 1/Standard/Course#:**

The Orientation and Mobility for Students with Visual Impairments courses will focus on skills and strategies that will enhance essential travel skills. These travel skills will enable students with visual impairments and blindness to access all of the educational environments in which they will be involved. The courses will focus on travel in the following domains:

home/living environment, campus environment, residential environment, commercial environment and public transportation.



## SELF CONTAINED CLASSES

### FUNDAMENTAL ACADEMIC MATH

**Grade Placement:** 9-12

**Prerequisite:** ARD Committee Decision

**Credit/GP:** 1-2 / Modified Course #:

These courses provides math instruction to students at their assessed level. Students will develop skills in areas of Math that correspond (by scaffolding down to pre-requisite skills) to TEKS objectives for the mainstream math classes.

Fundamental Algebra I  
Fundamental Geometry  
Fundamental Math Models  
Fundamental Algebra II

### FUNDAMENTAL ACADEMIC ENGLISH

**Grade Placement:** 9-12

**Prerequisite:** ARD Committee Decision

**Credit/GP:** 1-2/ Modified Course #:

These courses provides English language arts instruction to students at their assessed level. Students will develop skills in areas of English that correspond (by scaffolding down to pre-requisite skills) to TEKS objectives for the mainstream English classes.

Fundamental English I-IV

### FUNDAMENTAL ACADEMIC SOCIAL STUDIES

**Grade Placement:** 9-12

**Prerequisite:** ARD Committee Decision

**Credit/GP:** 1 / Modified Course #:

These courses provide instruction in a variety of Social Studies areas to students at their assessed level. Students will develop skills in areas of social studies that correspond (by scaffolding down to pre-requisite skills) to TEKS objectives for the mainstream Social Studies classes.

Fundamental World Geography  
Fundamental World History  
Fundamental US History  
Fundamental Govt./Econ.

### FUNDAMENTAL ACADEMIC SCIENCE

**Grade Placement:** 9-12

**Prerequisite:** ARD Committee Decision

**Credit/GP:** 1 / Modified Course #:

These courses provide instruction in science. Students will work on their assessed level (by scaffolding down to pre-requisite skills.) Skills taught will reflect pre-requisite skills for the mainstream TEKS for Science.

Fundamental IPC  
Fundamental Biology  
Fundamental Physics

### GENERAL EMPLOYABILITY SKILLS

#### DAILY LIVING

**Grade Placement:** 10-12

**Prerequisite:** ARD Committee Decision

**Credit/GP:** 1/ Modified / Course #:

This course provides students with knowledge of the prerequisite skills for general employment, as well as, the means of obtaining the skills of maintaining personal appearance and grooming. The course also includes the knowledge, skills and attitudes that allow employees to work well with co-workers, make important work-related decisions and become strong members of a work team.

## WORK EXPERIENCE

### VOCATIONAL EDUCATIONAL TRAINING (VET)

**Grade Placement:** 9-12

**Prerequisite:** ARD Committee Decision

**Credit/GP:** 1-2 / Standard /Course #:

The students volunteer at different sites in the community and are supervised by special education staff at all times. The students receive no pay but do get high school credits applied toward their graduation requirements. Students are able to develop an understanding of career choices and gain essential job skills necessary for success and employability at a job.

### VOCATIONAL ADJUSTMENT CLASS

**Grade Placement:** 9-12

**Prerequisite:** ARD Committee Decision

**Credit/GP:** 1-2 / Standard /Course #:

Vocational Adjustment Class is an instructional arrangement designed to teach general vocational skills to students with disabilities through special education instruction and work experiences at job sites. The Vocational Adjustment Coordinator monitors students. Specific goals of the program include: teaching academic concepts related to employment and community adjustment; assisting in the development of a positive self-concept; teaching functional skills that students need to achieve maximum independence; providing opportunities for successful employment experiences that may complete part of the graduation requirement; and assisting students to achieve maximum benefit from services provided by the DARS and other agencies after graduation. Students need to be at least 16 years of age.