

LUFKIN HIGH SCHOOL
**COURSE
DESCRIPTION
GUIDE**
2026 - 2027



2026-2027 Lufkin High School Course Description Guide

2026-2027 Lufkin High School Advanced Academics	
Dual Credit Courses	Advanced Placement Courses
English	
ENGL 1301 Composition I	English Language AP
ENGL 1302 Composition II	English Literature AP
ENGL 2311 Technical & Business Writing	
ENGL 2323 British Literature	
Math	
MATH 1324 Mathematics for Business & Social Sciences	AP Pre-Calculus
MATH 1342 Elementary Statistics	AP Calculus AB
	AP Calculus BC
	AP Statistics
History	
HIST 1301 U.S. History I	AP U.S. History
HIST 1302 U.S. History II	
PSYC 2301 General Psychology	AP European History
PSYC 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
Communications	
SPCH 1315 Public Speaking	
Science	
BIOL 1406 Biology	AP Biology
BIOL 1407 Biology	AP Chemistry
BIOL 2401 Anatomy and Physiology I	AP Physics
BIOL 2402 Anatomy and Physiology II	
Computer Networking	
ITCC 1305 Introduction to PC Operating Systems	AP Computer Science Principles
ITCC 1414 CCNA1: Introduction to Networks	AP Computer Science A
ITCC 1444 CCNA 2: Switching, Routing, and Wireless Essentials	AP Cybersecurity
ITCC 2420 CCNA 3: Enterprise Networking, Security and Administration	
Welding	
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	
WLDG 1313 Blueprint Reading for Welders	
Arts	
DRAM 1310 Theatre Appreciation	AP Art History
MUSI 1306 Music Appreciation	AP Studio Art 2
	AP Studio Art 3
	AP Art Drawing
Criminal Justice	
CRIJ 1301 Introduction to Criminal Justice	
CRIJ 1310 Fundamentals of Law	
CRIJ 2313 Criminal Investigations	
CRIJ 2314 Correctional Services	
CRIJ 2328 Police Systems and Practice	
CRIJ 1306 Court Systems and Practice	
Foreign Language	
SPAN 1412 Beginning Spanish II * course bypass option	AP Spanish Language
SPAN 2311 Intermediate Spanish I	
SPAN 2312 Intermediate Spanish II	
Business	
	AP Business with Personal Finance

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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 Level	Credits Needed
10th	5
11th	12
12th	19
Total Credits for Graduation	26

CREDIT RECOVERY:

When a student recovers a failing credit, the transcript will reflect the new credit, but the original failing grade will remain in the student's GPA calculations.

DEFINITIONS

A term is 18 weeks/one half credit. There are 2 terms (fall, spring) per school year with the exception of dual credit courses that may be offered one semester for one credit.

CLASS LOAD

All students must be full time students registered in seven class periods or the equivalent.

CREDIT

When a student earns a passing grade in only half of a course and the average of both halves is lower than 70, the District shall award the student credit for the half with the passing grade.

STAAR 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 1, English 2, Algebra 1, Biology, and US History if enrolled in 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 SAT once to fulfill federal testing requirements.

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FAFSA

Beginning with the 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 years. Foreign exchange students are not eligible for honor graduate status.

Advanced/AP/DC Course

Advanced, AP (Advanced Placement), and Dual Credit courses 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-intense course outside the classroom, the student's schedule may be changed to reflect the academic level course. Only Advanced, AP 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 an academic level class of that subject following the unilateral contract. If a student is changed from an Advanced or AP class to an academic level class, no adjustments will be made in the grade to reflect that it was earned in an Advanced or AP class. Regular level grade points will be awarded.

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 1 certificate at no cost. Students must submit an application to be considered for the Early College High School program during the spring of the 8th grade year. Each year, up to 135 students will be selected for the Lufkin Early College High School by a weighted lottery process.

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SFA STEM ACADEMY

Lufkin ISD has partnered with Stephen F. Austin State University to offer the SFA STEM Academy. The SFA 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 SFA STEM Academy: 1) Enroll and successfully complete Advanced Algebra 1 in the 8th grade year, 2) complete a series of application requirements, 3) complete the required interview process. Contact the counseling office for entrance criteria and further information concerning the SFA STEM Academy.

HUMANITIES PROGRAM

The Lufkin High School Integrated Humanities Program is designed to enrich the educational journey of students passionate about English Language Arts, history, philosophy, and the arts. This program offers specialized courses that blend these fields of study, stimulates deep and complex inquiry, and provides opportunities to discuss topics from multiple perspectives and see the interconnectedness of literature, social studies, and the arts. Students enter the program in the 9th grade through a selective application which includes data collected from various sources and writing samples. Up to forty-five 8th grade students may be accepted into the program each year.

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 1. 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.

EARLY GRADUATION

Texas First Program recognizes high-achieving students. Eligible students can graduate early with the Distinguished Level of Achievement and receive a scholarship. The Texas First Program is designed to keep Texas' best and brightest on a direct track to postsecondary path education here in our great state. Texas' top students can accelerate their postsecondary path and earn up to a year in scholarship dollars to attend any Texas public institution of higher education, including colleges, universities, and technical colleges.

See your grade level for an early graduation plan.

COOPERATIVE EDUCATION PROGRAMS ADMISSION PROCEDURE:

Placement in a Career and Technical Cooperative 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, 4) enrollment will be limited to 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 Technical Education Office.

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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, must meet academic rules in order to receive athletic 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 completed 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	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 credits 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 weighted 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 STAAR 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 nonaccredited 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

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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 semester. STAAR-EOC classes receive local credit.

DUAL CREDIT

Certain approved courses taken through Angelina College earn both high school and college credit simultaneously. 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 an Advanced 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, Drill Team, Trainer and Athletics fulfill PE requirements.

Career and/or Educational Choices: Lufkin High School Go Center

The Go 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.

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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: This measures reasoning skills. This test measures reading, writing and math skills. Most Texas four-year colleges require the ACT or SAT for Admission.

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 Center.

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.

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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.

New Courses Added for 2026-2027

Art II Printmaking

AP Business with Personal Finance

AP Cybersecurity

AP Precalculus

DC Music Appreciation

Digital Communications in the 21st Century

Digital Design and Media Production

JROTC

See your Counselor for any and all questions concerning scheduling.

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LUFKIN HIGH SCHOOL

FOUNDATION GRADUATION PLAN

For students entering 9th 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 credits
English I, II, III, & IV (ESOL I & II may be substituted for English Language Learners)
2. Mathematics _____ 3 credits
Must include Algebra I and Geometry (third credit must come from an approved advanced math)
3. Science _____ 3 credits
Must include Biology (IPC and advanced science OR advanced science and additional advanced science)
4. Social Studies _____ 4 credits
World Geography, World History (10), US History (11), & Government/Economics (12)
5. Other Languages _____ 2 credits
6. Physical Education _____ 1 credit
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 credit
8. Professional Communication (speech) _____ .5 credit
9. BIM _____ 1 credit
10. State Electives _____ 4.5 credits
11. State or Local Electives _____ 3 credits

- TOTAL _____ 26 credits

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LUFKIN HIGH SCHOOL

Distinguished Level of Achievement

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

Under this plan, the Distinguished High School Program seal will be affixed to the student's academic achievement record (transcript). 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 credits
English I, II, III, & IV (ESOL I & II may be substituted for English Language Learners)
2. Mathematics _____ 4 credits
Must include Algebra I and Geometry, Algebra 2, & Advanced Math
3. Science _____ 4 credits
Must include Biology (IPC and two advanced sciences OR three advanced sciences)
4. Social Studies _____ 4 credits
World Geography, World History (9-10), US History (11), & Government/Economics (12)
5. Other Languages _____ 2 credits
Must be in the same language
6. Physical Education _____ 1 credit
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 credit
8. Professional Communication (speech) _____ .5 credit
9. BIM _____ 1 credit
10. Electives _____ 4.5 credits

- TOTAL _____ 26 credits

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House Bill 5 Graduation Requirements

For students entering 9th grade 2014-2015 and thereafter.

Distinguished Level of Achievement Graduation Program - 26 credits

A student must fulfill the graduation requirements of at least 1 of the 5 Endorsements below and successfully complete Algebra II.

Foundation + Endorsement Graduation Program - 26 credits

STEM	Business & Industry	Public Services	Arts & Humanities	Multidisciplinary
4 English - I, II, III & IV	4 English - I, II, III & IV	4 English - I, II, III & IV	4 English - I, II, III & IV	4 English - I, II, III & IV
4 Math- Algebra I, Geometry, Algebra II, & 1 advanced math	4 Math- Algebra I, Geometry, Algebra II, & 1 advanced math	4 Math- Algebra I, Geometry, Algebra II, & 1 advanced math	4 Math- Algebra I, Geometry, Algebra II, & 1 advanced math	4 Math- Algebra I, Geometry, Algebra II, & 1 advanced math
4 Science - Biology, Chemistry, Physics & 1 advanced science	4 Science - Biology, Chemistry & 2 advanced sciences	4 Science - Biology, Chemistry & 2 advanced sciences	4 Science - Biology, Chemistry & 2 advanced sciences	4 Science - Biology, Chemistry & 2 advanced sciences
4 Social Studies - W Geography, W History, US History, Government (.5) & Economics (.5)	4 Social Studies - W Geography, W History, US History, Government (.5) & Economics (.5)	4 Social Studies - W Geography, W History, US History, Government (.5) & Economics (.5)	4 Social Studies - W Geography, W History, US History, Government (.5) & Economics (.5)	4 Social Studies - W Geography, W History, US History, Government (.5) & Economics (.5)
2 LOTE or Computer Science	2 LOTE or Computer Science	2 LOTE or Computer Science	2 LOTE or Computer Science	2 LOTE or Computer Science
1 Physical Education *	1 Physical Education *	1 Physical Education *	1 Physical Education *	1 Physical Education *
1 Fine Arts	1 Fine Arts	1 Fine Arts	1 Fine Arts	1 Fine Arts
.5 Professional Communication	.5 Professional Communication	.5 Professional Communication	.5 Professional Communication	.5 Professional Communication
1 BIM	1 BIM	1 BIM	1 BIM	1 BIM
4.5 State Electives	4.5 State Electives	4.5 State Electives	4.5 State Electives	4.5 State Electives

*Substitutes for physical education credit are: Marching Band (fall term), Drill Team (fall term) Cheer and Athletics.

State Assessments Required for Graduation		Performance Acknowledgements	
English I	Biology	Outstanding Performance: Dual credit coursework; Bilingualism, AP, PSAT SAT, and ACT	Certification Nationally recognized industry-based certification or license
English II	US History		
Algebra I			

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FOUNDATION GRADUATION PLAN

For students entering 9th grade in 2026-2027 and thereafter

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1. English Language Arts _____ 4 credits
English I, II, III, & IV (ESOL I & II may be substituted for English Language Learners)
2. Mathematics _____ 3 credits
Must include Algebra I and Geometry (third credit must come from an approved advanced math)
3. Science _____ 3 credits
Must include Biology (IPC and advanced science OR advanced science and additional advanced science)
4. Social Studies _____ 3 credits
World History (9-10), US History (11), & Government/Personal Financial Literacy (12)
5. Other Languages _____ 2 credits
6. Physical Education _____ 1 credit
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 credit
8. Professional Communication (speech) _____ .5 credit
9. State Electives _____ 4.5 credits
10. State or Local Electives _____ 4 credits
- TOTAL _____ 26 credits

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LUFKIN HIGH SCHOOL

Distinguished Level of Achievement

For students entering 9th grade in 2026-2027 and thereafter

Under this plan, the Distinguished High School Program seal will be affixed to the student's academic achievement record (transcript). 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 credits
English I, II, III, & IV (ESOL I & II may be substituted for English Language Learners)
2. Mathematics_____4 credits
Must include Algebra I and Geometry, Algebra 2, & Advanced Math
3. Science_____4 credits
Must include Biology (IPC and two advanced sciences OR three advanced sciences)
4. Social Studies_____3 credit
World History (9-10), US History (11), & Government/Personal Financial Literacy(12)
5. Other Languages_____2 credits
Must be in the same language
6. Physical Education_____1 credit
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 credit
8. Professional Communication (speech)_____ .5 credit
9. State Electives_____6.5 credits

- TOTAL_____26 credits

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House Bill 5 Graduation Requirements

For students entering 9th grade 2026-2027 and thereafter.

Distinguished Level of Achievement Graduation Program - 26 credits

A student must fulfill the graduation requirements of at least 1 of the 5 Endorsements below and successfully complete Algebra II.

Foundation + Endorsement Graduation Program - 26 credits

STEM	Business & Industry	Public Services	Arts & Humanities	Multidisciplinary
4 English - I, II, III & IV 4 Math- Algebra I, Geometry, Algebra II, & 1 advanced math 4 Science - Biology, Chemistry, Physics & 1 advanced science 3 Social Studies - W History, US History, Government (.5) & Personal Financial Literacy (.5) 2 LOTE or Computer Science 1 Physical Education * 1 Fine Arts .5 Professional Communication 6.5 State Electives	4 English - I, II, III & IV 4 Math- Algebra I, Geometry, Algebra II, & 1 advanced math 4 Science - Biology, Chemistry & 2 advanced sciences 3 Social Studies - W History, US History, Government (.5) & Personal Financial Literacy (.5) 2 LOTE or Computer Science 1 Physical Education * 1 Fine Arts .5 Professional Communication 6.5 State Electives	4 English - I, II, III & IV 4 Math- Algebra I, Geometry, Algebra II, & 1 advanced math 4 Science - Biology, Chemistry & 2 advanced sciences 3 Social Studies - W History, US History, Government (.5) & Personal Financial Literacy (.5) 2 LOTE or Computer Science 1 Physical Education * 1 Fine Arts .5 Professional Communication 6.5 State Electives	4 English - I, II, III & IV 4 Math- Algebra I, Geometry, Algebra II, & 1 advanced math 4 Science - Biology, Chemistry & 2 advanced sciences 3 Social Studies - W History, US History, Government (.5) & Personal Financial Literacy (.5) 2 LOTE or Computer Science 1 Physical Education * 1 Fine Arts .5 Professional Communication 6.5 State Electives	4 English - I, II, III & IV 4 Math- Algebra I, Geometry, Algebra II, & 1 advanced math 4 Science - Biology, Chemistry & 2 advanced sciences 3 Social Studies - W History, US History, Government (.5) & Personal Financial Literacy (.5) 2 LOTE or Computer Science 1 Physical Education * 1 Fine Arts .5 Professional Communication 6.5 State Electives

*Substitutes for physical education credit are: Marching Band (fall term), Drill Team (fall term), Cheer and Athletics.

State Assessments Required for Graduation		Performance Acknowledgements	
English I English II Algebra I	Biology US History	Outstanding Performance: Dual credit coursework; Bilingualism, AP, PSAT SAT, and ACT	Certification Nationally recognized industry-based certification or license

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Lufkin ISD Career Cluster & Pathway/Programs of Study					
Career Cluster	Program of Study	Course #	Courses	Certification	
STEM Endorsement					
	Advanced Math		Advanced Math Courses: AP & DC Math		
	Advanced Science		Advanced Science Courses not included as one of the four sciences		
	Cybersecurity	C1PCC0	Foundations of Cybersecurity		
		CCP110	Internetworking Technologies I**		
		CCP210	Internetworking Technologies II**		CCNA
		CCN300	Practicum in Information Technology		CompTIA Security+
		M0ACP0	AP Computer Science Principles		
M0PCS0	Computer Science Advanced				
M0ACSO	AP Computer Science A				
Business and Industry Endorsement					
Agriculture, Food and Natural Resources	Agriculture Technology and Mechanical	CONPRO	Principles of Agriculture, Food and Natural Resources		
		CONAMO	Agricultural Mechanics and Metal Technologies		
		CWP100	Agricultural Structures Design and Fabrication/Welding I**		
		CWP200	Agricultural Equipment Design and Fabrication/Welding II**		
		CDPB90	Blueprint Reading for Manufacturing Applications**		AWS CERT-Level 1
	CON300	Practicum in Agriculture, Food and Natural Resources			
	Animal Science	CONPRO	Principles of Agriculture, Food and Natural Resources		
		CONSAS	Small Animal Management		
		CONEQS	Equine Science		
		CONLPO	Livestock Production		Elanco Fund of Ani Sci, Elanco Vet Med App
		CONAAO	Advanced Animal Science		
	CON300	Practicum in Agriculture, Food and Natural Resources			
	Environmental and Natural Resources	CONPRO	Principles of Agriculture, Food and Natural Resources		
		CONWFO	Wildlife, Fisheries and Ecology Management		
		CONFR0	Forestry and Woodland Systems		
		CONEN0	Energy and Natural Resource Technology		Forestryworks, Ducks Unlimited
	CON300	Practicum in Agriculture, Food and Natural Resources			
	Plant Science	CONPRO	Principles of Agriculture, Food and Natural Resources		
		CONGH0	Greenhouse Operations		
		C1NFDD	Floral Design		TSFA - Floral Design
CONH00		Horticulture			
CON300	Practicum in Agriculture, Food and Natural Resources				
Architecture and Construction	Carpentry	CBN000	Principles of Construction		
		CBNCT0	Construction Technology I		
		CBNCT2	Advanced Construction Technology II		
		CBN300	Practicum in Construction Technology		PACT, Basic Carpentry
Arts, Audio-Visual Technology and Communications	Digital Communications	CONDC0	Digital Communications in the 21st Century		
		J1NAV0	Audio-Video Production I		
		J2NAV0	Audio-Video Production II/Lab		
	J3NAV0	Practicum in Audio/Video Production		ADOBE Certified Pro Digital Video	
	Graphic Design and Interactive Media	C1NMM0	Digital Media		
		F2NPCD	Commercial Photography		
		F3NPCD	Commercial Photography II		ADOBE Professional Photoshop
		F4NPCD	Practicum of Commercial Photography		
		C8NDD0	Digital Design and Media Production		
		C8NA10	Digital Art and Animation		ADOBE Professional Photoshop
		J1NYB0	Yearbook I		
		J2NYB0	Yearbook II		
		J3NAV0	Practicum in Graphic Design and Illustration		
		C8NFD0	Fashion Design		
		C9NFD0	Fashion Design II and Lab		ADOBE Professional Photoshop
C9NF30		Practicum in Fashion Design			
Business Marketing and Finance	Accounting and Financial Services	C7NMM0	Money Matters		
		C7NA10	Accounting I		
		C7NA20	Accounting II		
	C7NA30	Practicum in Business Management-U Bank		Accounting - Basic	
	Business Management	C1NBMO	Principles of Business, Marketing, and Finance		
C6NEN0		Entrepreneurship I			
C1NB00	Business Management		Entrepreneurship and Small Business		
M6NST0	Statistics and Business Decision Making				
CPN300	Practicum in Business Management (Co-op)				
Hospitality and Tourism	Culinary Arts	C2NRM0	Introduction to Culinary Arts	FOOD HANDLERS	
		CAN100	Culinary Arts I		
		CAN200	Advanced Culinary Arts		
		CAN300	Practicum in Culinary Arts		Safe Manager
Manufacturing	Robotics and Automation	C1NPE0	Principles of Applied Engineering (PLTW)		
		C1NRA0	Robotics I		
		C2NRA0	Robotics II		
C3N000	Practicum in Manufacturing		Lean Six Sigma Greenbelt		
Transportation Distribution & Logistics	Automotive and Collision Repair	CTN000	Automotive Basics		
		CTNA10	Automotive Technology I: Maintenance and Light Repair		
		CTNA20	Automotive Technology II: Automotive Service		ASE ENTRY CERT
** course offered as dual credit					

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Lufkin ISD Career Cluster & Pathway/Programs of Study					
Career Cluster	Program of Study	Course #	Courses	Certification	
Public Service Endorsement					
Human Services	Cosmetology/Barber and Personal Care	CBNBA0	Barbering I		
		CBNA2	Barbering II	Class A Barber	
		CSN000	Cosmetology I		
		CSNC20	Cosmetology II	Cosmetology Operator	
Education and Training	Teaching and Training	C4NHS0	Principles of Human Services		
		C4NCD0	Child Development		
		C4NED0	Instructional Practices		
		C4NPE0	Practicum in Education and Training	Educational Aide I	
Health Science	Nursing Science	CHN000	Principles of Health Science		
		C5NMT0	Medical Terminology		
		S6NAH0	Anatomy & Physiology**		
		C5NPP0	Pathophysiology		
		CHNPCT	Practicum of Health Science/Patient Care Tech	EKG, Phlebotomy, Patient Care Tech	
Law and Public Service	Law Enforcement	C9NPL0	Principles of Law, Public Safety, Corrections and Security		
		C9NLI0	Law Enforcement I**		
		C9PC10	Criminal Investigation**		
		C9PL20	Law Enforcement II**		
		S6NFS0	Forensic Science		
	Junior Officers' Training Corps (JROTC)	C1NJR0	JROTC I		
		C2NJR0	JROTC II		
		C3NJR0	JROTC III		
		C4NJR0	JROTC IV		
					Certified Dental Assistant
Arts and Humanities Endorsement					
Arts and Humanities	Band	F1NBF0	Band I-Band IV		
		F1NJF0	JV Choir I-IV		
	Choir	F1NWC0	Bel Canto I-IV		
		F1NKC0	Kantori I-IV		
		FOAMA0	Music Appreciation**		
		A1NJF0	Dance I-IV		
	Fine Arts	F1NAR0	Art I		
		F2NDR0	Art II Drawing		
		F2NPA0	Art II Painting		
		F2NSC0	Art II Sculpture		
		F2NPM0	Art II Printmaking		
		F3A2D0	Art III - AP 2-D Design		
		F3A3D0	Art III - AP 3-D Design		
		F3ADR0	Art III - AP Drawing Portfolio		
		F0NDA0	Dance		
		F1NTA0	Theatre I**		
		F2NTA0	Theatre II-IV		
		F1NTT0	Tech Theatre I-IV		
		FOAGT0	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**		
		L4PSP0	Spanish IV**		
		L5ASP0	Spanish V-AP		
		L5ASD0	Spanish V**		
	L6ASP0	Spanish VI -AP			
** course offered as dual credit					

CAREER AND TECHNICAL EDUCATION

AGRICULTURE, FOOD AND NATURAL RESOURCES - AGRICULTURAL TECHNOLOGY AND MECHANICAL SYSTEMS

AGRICULTURE MECHANICS AND METAL TECHNOLOGIES (Intro to Welding)

Grade Placement: 9-10

Prerequisite :Principles of Agriculture Food and Natural Resources recommended

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

Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.

Program of Study: Agricultural Technology and Mechanical Systems

AGRICULTURE MECHANICS PLUS LAB (DC WELDING I)

Grade Placement: 10-11

Prerequisite: Agriculture Mechanics and Metal Technologies

Credit/GP: 1 / Standard/ Course #: CWP100

Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.

Program of Study: Agricultural Technology and Mechanical Systems

AGRICULTURE STRUCTURES PLUS LAB (DC WELDING II)

Grade Placement 11-12

Prerequisite: Agriculture Mechanics Plus Lab (DC Welding I)

Credit/GP: 1/ Standard/ Course #: CWP200

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication.

Program of Study: Agricultural Technology and Mechanical Systems

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DC BLUEPRINT READING FOR MANUFACTURING APPLICATIONS

Grade Placement: 11-12

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.

AGRICULTURE, FOOD AND NATURAL RESOURCES - ANIMAL SCIENCE

PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES

Grade Placement: 9-10

Prerequisite: None

Credit/GP: 1 / Standard/ Course #: C0NPR0

In Principles of Agriculture, Food, and Natural Resources, students explore major areas of agriculture, food, and natural resources, including organizations, agribusiness leadership and communications, plant science, animal science, food science and technology, agricultural technology and mechanical systems, and environmental and natural resources. To prepare for careers in agriculture, food, and natural resources, students must attain academic knowledge and skills, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Programs of Study: Agricultural Technology and Mechanical Systems, Animal Science, Environmental and Natural Resources, and Plant Science

EQUINE SCIENCE

Grade Placement: 10-12

Prerequisite: Principles of Agriculture Food and Natural Resources recommended

Credit/GP: ½ / Standard/ Course #: C0NEQ5

In Equine Science, students acquire knowledge and skills related to the equine industry. Equine Science may address topics related to horses, donkeys, and mules. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to equine systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Program of Study: Animal Science

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SMALL ANIMAL MANAGEMENT

Grade Placement: 10-12

Prerequisite: Principles of Agriculture Food and Natural Resources recommended

Credit/GP: ½ / Standard/ Course #: CONSA5

In Small Animal Management, students acquire knowledge and skills related to the small animal management industry. Small Animal Management may address topics related to small animals such as dogs and cats, rabbits, pocket pets, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to small animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Program of Study: Animal Science

LIVESTOCK AND POULTRY PRODUCTION

Grade Placement: 10-12

Prerequisite: Principles of Agriculture Food and Natural Resources, Equine Science, Small Animal Management recommended

Credit/GP: 1 / Standard/ Course #: C0NLP0

In Livestock and Poultry Production, students acquire knowledge and skills related to the livestock and poultry production industry. Livestock and Poultry Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic knowledge and skills, acquire knowledge and skills related to livestock and poultry systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Program of Study: Animal Science

ADVANCED ANIMAL SCIENCE

Grade Placement: 11-12

Prerequisite: Principles of Agriculture Food and Natural Resources and Equine Science, Small Animal Management or Livestock Production

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

Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of animal production, including canine, feline, bovine, equine, caprine, porcine, ovine, poultry, and lagomorpha production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. Students must meet the 40% laboratory and fieldwork requirement.

Note: This course satisfies a high school science graduation requirement.

Program of Study: Animal Science

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AGRICULTURE, FOOD AND NATURAL RESOURCES - ENVIRONMENTAL AND NATURAL RESOURCES

WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT

Grade Placement: 10 -12

Prerequisite: Principles of Agriculture Food and Natural Resources recommended

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

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

Program of Study: Environmental and Natural Resources

FORESTRY AND WOODLAND ECOSYSTEMS

Grade Placement: 10-12

Prerequisite: Principles of Agriculture Food and Natural Resources recommended

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

Forestry and Woodland Ecosystems 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.

Program of Study: Environmental and Natural Resources

ENERGY AND NATURAL RESOURCE TECHNOLOGY

Grade Placement: 11-12

Prerequisite: Principles of Agriculture Food and Natural Resources, Wildlife Fisheries, and Ecology Management, Forestry and Woodland Ecosystems

Credit/GP: 1/ Standard/ Course#: C1NEN0

Energy and Natural Resource Technology examines the interrelatedness of environmental issues and production agriculture. Students will evaluate the environmental benefits provided by sustainable resources and green technologies. Instruction is designed to allow for the application of science and technology to measure environmental impacts resulting from production agriculture through field and laboratory experiences. To prepare for careers in environmental service systems, students must attain academic skills and knowledge, acquire advanced technical knowledge and skills related to environmental service systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Programs of Study: Environmental and Natural Resources

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PRACTICUM IN AGRICULTURE, FOOD AND NATURAL RESOURCES

Grade Placement: 12

Prerequisite: Three courses towards pathway completion and course request.

Credit: 2/ Standard/ Course #: C0N300

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. To prepare for careers in agriculture, food, and natural resources, students must attain academic knowledge and skills, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. **Programs of Study: Agricultural Technology and Mechanical Systems, Agriculture Animal Science, Environmental and Natural Resources, and Plant Science.**

AGRICULTURE, FOOD AND NATURAL RESOURCES - PLANT SCIENCE

GREENHOUSE OPERATION AND PRODUCTION

Grade Placement 10-12

Prerequisite: Principles of Agriculture Food and Natural Resources recommended

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

Greenhouse Operation and Production is designed for students to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural and controlled environment agricultural systems, students must attain academic knowledge and skills, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. **Program of Study: Plant Science**

FLORAL DESIGN

Grade Placement: 10-12

Prerequisite: Principles of Agriculture Food and Natural Resources, Greenhouse Operation and Production recommended

Credit/GP: 1 / Standard/ Course #: C0NFD0

Floral Design is designed to develop students' ability to identify and demonstrate the elements and principles of floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students develop respect for the traditions of and appreciation for the contributions of diverse cultures. Students respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic knowledge and skills, acquire technical knowledge and skills related to horticultural systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Note: This course satisfies the fine arts graduation requirement.

Program of Study: Plant Science

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HORTICULTURE SCIENCE

Grade Placement: 10-12

Prerequisite: Principles of Agriculture Food and Natural Resources, Greenhouse Operation and Production recommended

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

In Horticultural Science, students develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. To prepare for careers in horticultural industry systems, students must attain academic knowledge and skills, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Program of Study: Plant Science

ARCHITECTURE AND CONSTRUCTION - CARPENTRY

PRINCIPLES OF CONSTRUCTION

Grade Placement: 9-10

Prerequisite: None

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

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.

Program of Study: Carpentry

CONSTRUCTION TECHNOLOGY I

Grade Placement: 10-12

Prerequisite: Principles of Construction

Credit/GP: 2 / Standard/ Course #: CBNCT0

In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended.

Program of Study: Carpentry

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CONSTRUCTION TECHNOLOGY II

Grade Placement: 11-12

Prerequisite: Construction Technology I

Credit/GP: 2 / Standard /Course #: CBNC20

In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. For safety and liability considerations, limiting course enrollment to 15 students is recommended.

Program of Study: Carpentry

ARTS, AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS - DIGITAL COMMUNICATIONS

DIGITAL COMMUNICATIONS IN THE 21ST CENTURY

Grade Placement: 9-10

Prerequisite: None

Credit/GP: 1/ Standard/ Course #: J0NDC0

Digital Communications in the 21st Century will prepare students for the societal demands of increased civic literacy, independent working environments, global awareness, and the mastery of a base set of analysis and communication skills. Students will be expected to design and present an effective product based on well-researched issues in order to thoughtfully propose suggested solutions to authoritative stakeholders. The outcome of the process and product approach is to provide students an authentic platform to demonstrate effective application of multimedia tools within the contexts of global communication and collaborative communities and appropriately share their voices to affect change that concerns their future. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

Program of Study: Digital Communications

AUDIO/VIDEO PRODUCTION I

Grade Placement: 10-11

Prerequisite: Digital Communications in the 21st century recommended

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

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio Visual Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on preproduction, production, and post-production audio and video products.

Program of Study: Digital Communications

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AUDIO/VIDEO PRODUCTION II

Grade Placement: 11-12

Prerequisite: Audio/Video Production I

Credit/GP: 1 Standard/ Course #: J2NAV0

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production I, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio Visual Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. This course may be implemented in an audio format or a format with both audio and video.

Program of Study: Digital Communications

PRACTICUM IN AUDIO/VIDEO PRODUCTION

Grade Placement: 12

Prerequisite: Audio/Video Production II

Credits/GP: 2 credits/ Standard/ Course # J3NAV0

Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio Visual Technology, and Communications career cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying preproduction, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Program of Study: Digital Communications

ARTS, AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS - GRAPHIC DESIGN AND INTERACTIVE MEDIA

DIGITAL MEDIA

Grade Placement: 9-10

Prerequisite: None

Credit/GP: 1/ Standard/ Course #: C1NDM0

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

Programs of Study: Graphic Design and Interactive Media

COMMERCIAL PHOTOGRAPHY I

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Grade Placement: 10-11

Prerequisite: Digital Media recommended

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

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing knowledge and skills needed for success in the Arts, Audio Visual Technology, and Communications career cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

Program of Study: Graphic Design and Interactive Media

COMMERCIAL PHOTOGRAPHY II

Grade Placement: 11-12

Prerequisite: Commercial Photography I

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

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio Visual Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

Program of Study: Graphic Design and Interactive Media

PRACTICUM IN COMMERCIAL PHOTOGRAPHY

Grade Placement: 12

Prerequisite: Commercial Photography II

Credit/GP: 2 credits/ Standard /Course #: F4NCP0

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio Visual Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

Program of Study: Graphic Design and Interactive Media

GAME PROGRAMMING AND DESIGN

Grade Placement: 10-11

Prerequisite: Digital Media recommended

Credit/GP: 1/ Standard/ Course #: C8NGP0

Game Programming and Design will foster student creativity and innovation by presenting students with opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve gaming problems. Through data analysis, students will include the identification of task requirements, plan search strategies, and use programming concepts to access, analyze, and evaluate information needed to design games. By acquiring programming knowledge and skills that support the work of individuals and groups in solving

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problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will create a computer game that is presented to an evaluation panel. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

Program of Study: Graphic Design and Interactive Media

DIGITAL DESIGN AND MEDIA PRODUCTION

Grade Placement: 10-12

Prerequisite: Digital Media recommended

Credit/GP: 1/ Standard/ Course#: C8ND0

Digital Design and Media Production will allow students to demonstrate creative thinking, develop innovative strategies, and use communication tools in order to work effectively with others as well as independently. Students will gather information electronically, which will allow for problem solving and making informed decisions regarding media projects. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will demonstrate a thorough understanding of digital design principles that is transferable to other disciplines. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

Programs of Study: Graphic Design and Interactive Media

DIGITAL ART AND ANIMATION I

Grade Placement: 11-12

Prerequisite: Digital Media and Digital Design and Media Production

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

Students will utilize sophisticated graphic software (Newtek- LightWave 3D) within a classroom lab setting. Students 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.

Can be taken as a Fine Arts credit.

Programs of Study: Graphic Design and Interactive Media

YEARBOOK I

Grade Placement: 10-12

Prerequisite: Digital Media and selection

Credit/GP: 1/ Standard/ Course #: J2NYB0

In Yearbook I, students analyze and assess current trends in a career field that creates meaningful, approachable, and compelling experiences for users of an array of products, services, and/or initiatives of companies, governments, and organizations. Students gain knowledge of introductory observation and research skills, basic design thinking and applied empathy methodologies, collaborative problem-solving and ideation, and interaction design and solution development. The knowledge and skills acquired from this course enable students to

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identify real-world problems through research and data-driven investigation and to design solutions while participating in collaborative problem solving. Students are introduced to agile practices and methodologies to develop skills to take solutions from conceptual sketch to digital designs using professional software tools. Students explore how to improve the quality of user interactions and perceptions of products, experiences, and any related services.

Programs of Study: Graphic Design and Interactive Media

YEARBOOK II

Grade Placement: 11-12

Prerequisite: Yearbook I and selection

Credit/GP: 1/ Standard/ Course #: J2NYB0

The Yearbook II course allows students to apply skills in art to integrate technology as a useful, meaningful, memorable, and accessible source for all users. Students will use knowledge from the Yearbook I course to expand the research, design process, testing, and communication skills essential for success in this user-focused career field.

Programs of Study: Graphic Design and Interactive Media

FASHION DESIGN

Grade Placement: 10-11

Prerequisite: Digital Media recommended

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

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio Visual Technology, and Communications career cluster, students will be expected to develop an understanding of the fashion industry with an emphasis on design and construction.

Program of Study: Graphic Design and Interactive Media

FASHION DESIGN II AND LAB

Grade Placement: 11-12

Prerequisite: Fashion Design I

Credit/GP: 2 / Standard/ Course #: C9NFL0

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio Visual Technology, and Communications career cluster, students will be expected to develop an understanding of the fashion industry with an emphasis on design and construction.

Program of Study: Graphic Design and Interactive Media

PRACTICUM IN FASHION DESIGN

Grade Placement: 12

Prerequisite: Fashion Design II

Credit/GP: 2/ Standard/ Course #: C9NF30

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio Visual Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the business aspects of fashion, with

2026-2027 Lufkin High School Course Description Guide

emphasis on promotion and retailing. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Program of Study: Graphic Design and Interactive Media

BUSINESS, MARKETING AND FINANCE - ACCOUNTING AND FINANCIAL SERVICES

MONEY MATTERS

Grade Placement: 9

Prerequisite: None

Credit/GP: 1/ Standard/ Course # C7NMM0

In Money Matters, students will investigate money management from a personal financial perspective. Students will apply critical thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocating, risk management, retirement planning, and estate planning.

Program of Study: Accounting and Financial Services

BUSINESS INFORMATION MANAGEMENT I

Grade Placement: 9-12

Prerequisite: None

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.

ACCOUNTING I

Grade Placement: 10-12

Prerequisite: Money Matters recommended

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

In Accounting I, students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students will formulate and interpret financial information for use in management decision making. **Program of Study: Accounting and Financial Services**

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ACCOUNTING II

Grades 11-12

Prerequisite: Accounting I

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

In Accounting II, students will continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in

various managerial, financial, and operational accounting activities. Students will formulate, interpret, and communicate financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.

Program of Study: Accounting and Financial Services

ADVERTISING

Grade Placement: 10-12

Prerequisite: None

Credit/GP: ½ / Standard/ Course #: C6NAD5

Advertising is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

SOCIAL MEDIA MARKETING

Grade Placement: 10-12

Prerequisite: None

Credit/GP: ½ / Standard/ Course #: C6NSM5

Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

**BUSINESS, MARKETING AND FINANCE -
BUSINESS MANAGEMENT**

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE

Grade Placement: 9-10

Prerequisite: None

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

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

Programs of Study: Accounting and Financial Services, Business Management

VIRTUAL BUSINESS

Grade Placement: 10-11

Prerequisite: Principles of Business, Marketing, and Finance recommended

Credit/GP: ½ / Standard/ Course #: C1NVB5

Business Course Code: 13012000 Course Abbreviation: VIRTBUS Credit: .5 Level: 2
Prerequisite: None Corequisite: None Recommended Prerequisite: Touch System Data Entry Recommended Corequisite: None Virtual Business is designed for students to start a virtual business by creating a web presence, conducting online and off-line marketing, examining contracts appropriate for an online business, and demonstrating project-management skills. Students will also demonstrate bookkeeping skills for a virtual business, maintain business records, and understand legal issues associated with a virtual business.

Programs of Study: Business Management

ENTREPRENEURSHIP I

Grade Placement: 10-12

Prerequisite: Principles of Business, Marketing, and Finance recommended

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

Entrepreneurship I, students will gain the knowledge and skills needed to become an entrepreneur in a free enterprise system. Students will learn the key concepts necessary to begin and operate a business. The primary focus of the course is to help students identify the types and selection criteria of business structures, understand the components of a business plan, determine the feasibility of an idea using research, and develop and present a business concept. In addition, students will understand the basics of management, accounting, finance, marketing, risk, and product development.

Programs of Study: Accounting and Financial Services, Animal Science, Automotive and Collision Repair, Business Management, Carpentry, Cosmetology and Personal Care Services (Regional), Culinary Arts, Digital Communications, Graphic Design and Interactive Media, Information Technology Support and Services, Manufacturing Technology, Plant Science.

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BUSINESS MANAGEMENT

Grade Placement: 10–12

Prerequisite: Entrepreneurship I

Credit: 1 /Standard/ Course #: C1NBU0

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.

Program of Study: Business Management

AP BUSINESS WITH PERSONAL FINANCE

Grade Placement: 11-12

Prerequisite: Business Management

Credit: 1/ Weighted/ Course #: C7ABF0

AP Business with Personal Finance is a yearlong high school business and personal finance course that aligns closely with a college-level introduction to business course. Students explore the business disciplines of entrepreneurship, marketing, finance, accounting, and management through real-world business applications, case studies, and project based learning. In addition, students learn and apply all the National Standards for Personal Financial Education created by the Council for Economic Education and the Jump\$tart Coalition for Personal Financial Literacy.

PRACTICUM IN BUSINESS MANAGEMENT (Co-op)

Grades 11-12

Prerequisite.: Course Request

Credit/GP: 2-3 credits / Standard

Course #: CPN300

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and in a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Programs of Study: Accounting and Financial Services, Business Management

HOSPITALITY AND TOURISM - CULINARY ARTS

INTRODUCTION TO CULINARY ARTS

Grade Placement: 9-10

Prerequisite: None

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

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

Program of Study: Culinary Arts

CULINARY ARTS

Grade Placement: 10-12

Prerequisite: Introduction to Culinary Arts

Credit/GP: 2/ Standard/ Course #: CAN100

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

Program of Study: Culinary Arts

ADVANCED CULINARY ARTS

Grade Placement: 11-12

Prerequisite: Course Request and Culinary Arts- Limited Seats

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

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment.

Program of Study: Culinary Arts

PRACTICUM IN CULINARY ARTS

Grade Placement: 12

Prerequisite: Course Request and Advanced Culinary Arts-Limited Seats

Credit/GP: 2/ Standard/ Course # CAN300

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

Program of Study: Culinary Arts

MANUFACTURING - ROBOTICS AND AUTOMATION TECHNOLOGY

PRINCIPLES OF APPLIED ENGINEERING (PLTW)

Grade Placement: 9

Prerequisite: None

Credit/GP: 1/ Standard/ Course #: C1NPE0

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields of engineering and be able to make informed career decisions.

Programs of Study: Robotics and Automation Technology

ROBOTICS I

Grade Placement: 9-10

Prerequisite: None

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

In Robotics I, students will transfer academic skills to component designs in a project-based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

Program of Study: Robotics and Automation Technology

ROBOTICS II

Grade Placement: 10-12

Prerequisite: Robotics I

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

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through the implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs. Note: This course satisfies a high school mathematics graduation requirement.

Program of Study: Robotics and Automation Technology

PRACTICUM IN MANUFACTURING

Grade Placement: 12

Prerequisite: Robotics II

Credit: 2 / Standard / Course #:

Practicum in Engineering 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. To prepare for careers in engineering, students must attain academic knowledge and skills, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry

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requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

Programs of Study: Robotics and Automation

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS - AUTOMOTIVE AND COLLISION REPAIR

AUTOMOTIVE BASICS

Grade Placement: 9-10

Prerequisite: None

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

Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Program of Study: Automotive and Collision Repair

AUTOMOTIVE TECHNOLOGY I: MAINTENANCE AND LIGHT REPAIR

Grade Placement: 10-12

Prerequisite: Automotive Basics

Credit/GP: 2/ Standard/ Course #: CTNA10

Automotive Technology I: Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. In Automotive Technology I: Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Program of Study: Automotive and Collision Repair

AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE

Grade Placement: 11-12

Prerequisite: Automotive Technology I

Credit/GP: 2/ Standard/ Course #: CTNA20

Automotive Technology II: Automotive Service includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Technology II: Automotive Service includes applicable safety and environmental rules and regulations. In

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this course, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.
Program of Study: Automotive and Collision Repair

INFORMATION TECHNOLOGY - CYBERSECURITY

FOUNDATIONS OF CYBERSECURITY

Grade placement 9-10

Credit/GP: 1 / Weighted /Course #: C1NCC0

In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study.

Program of Study: Cybersecurity

DC INTERNETWORKING TECHNOLOGIES I (Cisco)

Grade Placement: 10-11

Prerequisite: Foundations of Cybersecurity

Credit/GP: 1 credit / Weighted / Course #: CCP110

The purpose of this course is to begin to prepare students for a networking career by introducing how networks operate. This first course introduces architectures, models, protocols, and networking elements – understanding needed to support the operations and priorities of Fortune 500 companies to small innovative retail businesses. In this course, students will build simple local area networks (LANs), perform basic configurations for routers and switches, and develop a working knowledge of IP addressing schemes and foundational network security.

Program of Study: Cybersecurity

AP COMPUTER SCIENCE PRINCIPLES

Grade Placement: 9-12

Prerequisite: Algebra I

Credit/GP: 1 / Weighted/ Course #: M0ACP0

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.

Program of Study: Cybersecurity

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ADVANCED COMPUTER SCIENCE I

Grade Placement: 9-12

Prerequisite: Algebra I and AP Computer Science Principles Preferred

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

This is a 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.

Program of Study: Cybersecurity

AP COMPUTER SCIENCE A

Grade Placement: 9-12

Prerequisite: Algebra I and Advanced Computer Science I

Credit/GP: 1 / Weighted/ Course #: M0ACS0

This is a 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.

Note: This course may serve as the fourth math credit and language credit.

Program of Study: Cybersecurity

DC INTERNETWORKING TECHNOLOGIES II (Cisco)

Grade Placement:

Prerequisite: Internetworking Technologies I

Credit/GP: 1 / Weighted/ Course #: CCP210

This course focuses on switching technologies and router operations that support small-to-medium business networks, including wireless local area networks (WLAN) and security concepts. In Internetworking Technologies II, students perform basic network configuration and troubleshooting, identify and mitigate local area network (LAN) security threats, and configure and secure a basic WLAN. Students will demonstrate a deeper understanding of industry expectations by applying more advanced concepts in a practical lab situation that simulates the environment students might encounter in the workplace. Recommended preparation: Cisco Networking Study Guide: Introduction to Networks or equivalent knowledge.

Program of Study: Cybersecurity

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AP CYBERSECURITY

Grade Placement: 12

Prerequisite:

Credit/GP: 1/ Weighted/ Course #: CCACS0

AP Cybersecurity is a yearlong high school course that offers a broad introduction to the field and aligns closely with a college-level, introductory cybersecurity course. Students learn about common threats and vulnerabilities and how they combine to create risk. Students study how individuals and organizations manage risk and how risk can be mitigated through a defense-in-depth strategy. Students explore specific vulnerabilities, attacks, mitigations, and detection measures across a variety of domains including physical spaces, computer networks, devices, and data and applications. Throughout the course, students consider the impact of cybersecurity on individuals, organizations, societies, and governments. Content and skills taught in the course align with the professional skills outlined in the National Initiative for Cybersecurity Education Workforce Framework.

PRACTICUM IN INFORMATION TECHNOLOGY

Grade Placement: 12

Prerequisites: A minimum of two high school information technology (IT) courses

Credit/ GP: 1/ Standard/ Course #:

In the Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation.

Program of Study: Cybersecurity

EDUCATION AND TRAINING - TEACHING AND LEARNING

PRINCIPLES OF HUMAN SERVICES

Grade Placement: 9-10

Prerequisite: None

Credit/GP: 1 / Standard/ Course #: C4NHS0

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

Program of Study: Teaching and Training

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CHILD DEVELOPMENT

Grade Placement: 9-11

Prerequisite: Principles of Human Services recommended

Credit/GP: 1 / Standard/ Course #: C4NCD0

Child Development is a course that addresses knowledge and skills related to child growth and development from prenatal through school-age children. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

Program of Study: Teaching and Training

INSTRUCTIONAL PRACTICES

Grade Placement: 11-12

Prerequisite: Child Development and Course Request

Credit/GP: 2/ Standard/ Course #: CHNED0

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

Program of Study: Teaching and Training

PRACTICUM IN EDUCATION AND TRAINING

Grade Placement: 12

Prerequisite: Instructional Practices

Credit/GP: 2/ Standard/ Course #: C4NPE0

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

Program of Study: Teaching and Training

COSMETOLOGY AND PERSONAL CARE

COSMETOLOGY I

Grade Placement: 11

Prerequisite: Program Request

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

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

Program of Study: Cosmetology and Personal Care Services (Regional)

COSMETOLOGY II

Grade Placement: 12

Prerequisite: Cosmetology I

Credit/GP: Multicredit program/ Standard/ Course #: CSN200

In Cosmetology II, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies and materials; and practical skills.

Program of Study: Cosmetology and Personal Care Services (Regional)

BARBERING I

Grade Placement: 11

Prerequisite: Program Request

Credit/GP: Multi Credit Program/ Standard/ Course #: CBNBA1

Barbering is an extended course of study that enables students to become licensed barbers through Texas Department of Licensing and Regulation (TDLR). Barbering I allows students to earn an industry certificate that launches them into a professional career immediately, yet also specifies rigorous core curricula that prepares the student to be successful in a post-secondary learning environment.

Program of Study: Cosmetology and Personal Care Services (Regional)

BARBERING II

Grade Placement: 12

Prerequisite: Barbering I

Credit/GP: Multicredit program/ Standard/ Course #: CBNBA2

Barbering is an extended course of study that enables students to become licensed barbers through Texas Department of Licensing and Regulation (TDLR). Barbering II allows students to earn an industry certificate that launches them into a professional career immediately, yet also

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specifies rigorous core curricula that prepares the student to be successful in a post-secondary learning environment.

Program of Study: Cosmetology and Personal Care Services (Regional)

HEALTH SCIENCE - NURSING SCIENCE

PRINCIPLES OF HEALTH SCIENCE

Grade Placement: 9-10

Prerequisite: None

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

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

Program of Study: Nursing Science

MEDICAL TERMINOLOGY

Grade Placement: 9-10

Prerequisite: Principles of Health Science recommended

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

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Program of Study: Nursing Science

ANATOMY AND PHYSIOLOGY

Grade Placement: 11-12

Prerequisite: Biology, Chemistry, and Medical Terminology

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

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Note: This course satisfies a high school science graduation requirement. See page 32 for courses taught as dual credit.

Program of Study: Nursing Science

MEDICAL MICROBIOLOGY

Grade Placement: 10-12

Prerequisite: Biology, Chemistry, and Medical Terminology

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

The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and nonpathogenic microorganisms, laboratory procedures, identifying

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microorganisms, drug-resistant organisms, and emerging diseases. Students must meet the 40% laboratory and fieldwork requirement.

Note: This course satisfies a high school science graduation requirement.

Program of Study: Nursing Science

PATHOPHYSIOLOGY

Grade Placement: 10-12

Prerequisite: Biology, Chemistry, and Medical Terminology

Credit/GP: 1/Standard Course#: C5NPP0

The Pathophysiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease.

Note: This course satisfies a high school science graduation requirement.

Program of Study: Nursing Science

PRACTICUM IN HEALTH SCIENCE

Angelina College Patient Care Tech Program

Grade Placement: 12 - course request and interview

Prerequisite: 2 Health Science courses and Biology I

Credit/GP: 2/ Standard/ Course #: CHNPCT

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

Program of Study: Nursing Science

DENTAL ASSISTANT CERTIFICATION PROGRAM

Grade Placement: 12

Prerequisite: Successful completion of Biology and Medical Terminology

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 - LAW ENFORCEMENT

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

Grade Placement: 9

Prerequisite: None

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

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, protective services, corrections, firefighting, and emergency management

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services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, protective services, and corrections.

Program of Study: Law Enforcement

DC LAW ENFORCEMENT I

Grade Placement: 10

Prerequisite: Principles of Law recommended

Credit/GP: 1 / Standard/ Course #: C9PL10

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

Program of Study: Law Enforcement

DC CRIMINAL INVESTIGATIONS

Grade Placement: 11

Prerequisite: Principles of Law recommended

Credit/GP: 1 / Standard/ Course #: C9PCI0

Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence.

Program of Study: Law Enforcement

DC LAW ENFORCEMENT II

Grade Placement: 12

Prerequisite: Law Enforcement I

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

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. Students will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.

Program of Study: Law Enforcement

LAW AND PUBLIC SAFETY - JROTC

JUNIOR RESERVE OFFICERS' TRAINING CORPS (JROTC) I

Grade Placement: 9

Prerequisite: None

Credit/GP: 1/ Standard/ Course #: C1NJR0

The JROTC program of study emphasizes leadership development, civic responsibility, and personal growth through a structured military framework. Students explore the history, organization, and purpose of military service at local, state, and federal levels, while gaining a foundational understanding of the U.S. Constitution and the role it plays in shaping civic life. The courses foster discipline, teamwork, and decision-making, encouraging students to become engaged citizens and future leaders in their communities.

Program of Study: Junior Reserve Officers' Training Corps

JUNIOR RESERVE OFFICERS' TRAINING CORPS (JROTC) II

Grade Placement: 10

Prerequisite: None

Credit/GP: 1/ Standard/ Course #: C2NJR0

Program of Study: Junior Reserve Officers' Training Corps

JUNIOR RESERVE OFFICERS' TRAINING CORPS (JROTC) III

Grade Placement: 11

Prerequisite: None

Credit/GP: 1/ Standard/ Course #: C3NJR0

Program of Study: Junior Reserve Officers' Training Corps

JUNIOR RESERVE OFFICERS' TRAINING CORPS (JROTC) IV

Grade Placement: 12

Prerequisite: None

Credit/GP: 1/ Standard/ Course #: C4NJR0

Program of Study: Junior Reserve Officers' Training Corps

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.

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DC ART - ARTS 1301

Grade Placement: 10-12

Prerequisite: 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 II PRINTMAKING

Grade Placement: 10-12

Prerequisite: Art I

Credit/GP: 1 / Standard /Course #: F2NPM0

This level II course places emphasis on printmaking techniques; linocut, lithography, screen printing, etc. 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.

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AP ART III 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 3D 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.

AP ART III 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.

BAND (Music Level I)

Grade Placement: 9

Prerequisite: 7-8 Band

Credit/GP: 1 / Standard/ Course #: F1NB00

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.

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BAND (Music Level II)

Grade Placement: 10

Prerequisite: Band Music Level I

Credit/GP: 1/ Standard/ Course #: F2NB00

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 moderately difficult levels.

BAND (Music Level III)

Grade Placement: 11

Prerequisite: Band Music Level II

Credit/GP: 1 / Standard/ Course #: F3NB00

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/ Standard/ Course #: F4NB00

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: 1/ 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.

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JV MIXED CHOIR I

Grade Placement: 9

Prerequisite: None

Credit/GP: 1/ Standard/ Course #: F1NJV0

JV Mixed Choir is a training choir for all voices and is designed to give students experiences as part of a performing choir. Students will demonstrate basic performance techniques, accurate intonation, and rhythm, an understanding of basic musical ideas, and will sightread simple melodies. Students will perform a variety of level appropriate musical literature representing genres and styles from diverse cultures. Attendance at concerts and pre-scheduled after-school rehearsals is mandatory. This choir is open to all students and no audition is required.

JV MIXED CHOIR II

Grade Placement: 10

Prerequisite: Treble Choir I

Credit/GP: 1 / Standard/ Course #: F2NJV0

JV MIXED CHOIR III

Grade Placement: 11

Prerequisite: None

Credit/GP: 1/ Standard/ Course #: F3NJV0

JV MIXED CHOIR IV

Grade Placement: 12

Prerequisite: None

Credit/GP: 1 / Standard/ Course #: F4NJV0

BEL CANTO

Grade Placement: 9

Prerequisite: Audition and Selection

Credit/GP: 1/ Standard/ Course #: F1NWC0

Bel Canto choir is a full year competitive choir for advanced treble singers. Students in this choir should have the necessary skills to compete at a high level in various competitions as specified by the director. 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 sightread advanced melodies. Students will perform a variety of level appropriate musical literature representing genres and styles from diverse cultures. Auditioning in the All-State Choir process is strongly encouraged.

BEL CANTO II

Grade Placement: 10

Prerequisite: Audition and Selection

Credit/GP: 1 / Standard/ Course #: F2NWC0

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BEL CANTO III

Grade Placement: 11

Prerequisite: Audition and Selection

Credit/GP: 1 / Standard/ Course #: F3NWC0

BEL CANTO IV

Grade Placement: 12

Prerequisite: Audition and Selection

Credit/GP: 1 / Standard/ Course #: F4NWC0

KANTORI I

Grade Placement: 9

Prerequisite: Audition and Selection

Credit/GP: 1 / Standard/ Course #: F1NKC0

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 strongly encouraged, as well as participation in the UIL Solo & Ensemble contest. Attendance at concerts and pre-scheduled afterschool rehearsals is mandatory.

KANTORI II

Grade Placement: 10

Prerequisite: Audition and Selection

Credit/GP: 1 / Standard/ Course #: F2NKC0

KANTORI III

Grade Placement: 11

Prerequisite: Audition and Selection

Credit/GP: 1 / Standard/ Course #: F3NKC0

KANTORI IV

Grade Placement: 12

Prerequisite: Audition and Selection

Credit/GP: 1 / Standard/ Course #: F4NKC0

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,

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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 #: F1NMH0

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.

DC MUSIC APPRECIATION - MUSI 1306

Grade Placement: 9-12

Prerequisite: TSI

Credit/GP: 1/ Weighted/ Course #: F1NMA0

Three hours credit. Understanding music through the study of cultural periods, major composers, and musical elements. Illustrated with audio recordings and live performances. (Does not apply to a music major degree.) Forty-eight lecture hours.

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.

DC THEATRE APPRECIATION - DRAM 1310

Grade Placement: 9-12

Prerequisite: TSIA2

Credit/GP: 1 /Weighted/ Course #: F1ATH0

Dual Credit Theatre is a theater appreciation course designed as a survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms.

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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: 9-12

Prerequisite: None

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

Technical Theatre I is an overview of the technical aspects of a theatre production. This includes theatrical set design, costume design, make-up application, lighting and sound. Students will be taught safe use of tools, as well as construction, and carpentry techniques.

TECHNICAL THEATRE II-III

Grade Placement: 10-12

Prerequisite: Technical Theater I and Selection

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

The primary function of Technical Theatre is to create sets for the Theatre Department's productions; students will be directly involved with constructing the sets. Students must be willing to use power tools, including drills and a variety of saws. Students will continue to advance skills from Technical Theatre I and improve their skills.

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THEATRE PRODUCTION I-IV

Grade Placement: 11-12

Prerequisite: Selection

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/PE

SKILL-BASED LIFETIME ACTIVITIES

Grade Placement: 9-12

Prerequisite: None

Credit/GP: 1/Standard/Course #: P1NSB0

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 / 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. Students may not receive more than one state credit in athletics and/or physical education each year.

ATHLETIC TRAINING

Grade Placement: 9-12

Prerequisite: Selection by Trainer

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Credit/GP: 1 / Standard/ Course #: A0NATF, A2NATF, A4NATF, A6NATF

A Class entered through an application process that teaches first aid and basic knowledge of sports medicine. This class will help those interested in pursuing a career in Sports Medicine.

CHEERLEADING

Grade Placement: 9-12

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

Credit/GP: 1 / Standard/ Course #: A1N2F0, A1N3F0

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.

Note: This course satisfies a high school PE graduation requirement.

JV-DANCE (JV-DRILL TEAM)

Grade Placement: 9-11

Prerequisite: Selection

Credit/GP: 1 / Standard/ Course #: A1NDJ0

JV Drill is a class that you try out for in the spring and is composed of 9th, 10th, and 11th graders. The tryout process includes a pre clinic, which is a 3 day long afterschool intensive where students will learn tryout material . JV candidate hopefuls are selected by a panel of judges. The JV Drill Team performs at football games, basketball games, community events, competition and annual shows. They participate in fundraisers, community service, and support school events. JV drill members are required to attend mandatory camps prior to the start of school. The average initial cost of JV Drill is an estimated \$700-\$800; this covers uniforms, practices wear, shoes, etc. JV Drill practices one day a week after school, and all practices are mandatory.

Note: This course satisfies a high school PE graduation requirement.

DANCE (DRILL TEAM)

Grade Placement: 10-12

Prerequisite: Selection

Credit/GP: 1 / Standard/ Course #: A1NDFS0, A2NDFS0, A3NDFS0

Panther Pride is a class that you try out for in the spring and composed of 10th - 12th graders. The tryout process is a pre clinic, and a one day clinic the week of tryouts. Panther Pride Hopefuls are selected by a panel of judges. Panther Pride members serve as school ambassadors. Panther Pride is a performance and school Spirit organization. Panther Pride performs at all varsity football games, basketball games, community events, competition and annual shows. They participate in fundraisers, community service, and support school events. Panther Pride members are required to attend mandatory camps prior to the start of school. The average initial cost of Panther Pride Drill is an estimated \$1200-\$1300; this covers uniforms, practices wear, shoes, etc. Panther Pride practices before and after school.

LANGUAGES OTHER THAN ENGLISH

SPANISH I

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 the language including grammar. This is a full year course.

SPANISH II

Grade Placement: 9-12

Prerequisite: Spanish I

Credit/GP: 1/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 year course.

ADVANCED SPANISH II

Grade Placement: 9-11

Prerequisite: Spanish I

Credit/GP: 1/Weighted/ Course #: L2PSP0

Advanced Spanish II provides 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 year course.

DC SPANISH II

Grade Placement: 9-11

Prerequisite: Spanish I and TSIA2

Credit/GP: 1Weighted/ 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 one semester 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.

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DC SPANISH III

Grade Placement: 9-11

Prerequisite: Spanish I, II and 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 semester 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.

DC SPANISH IV

Grade Placement: 9-11

Prerequisite: DC Spanish I-III and 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.

AP SPANISH LANGUAGE V

Grade Placement: 11-12

Prerequisite: Advanced Spanish IV

Credit/GP: 1/ Weighted/ Course #: L5ASP0

An AP Spanish Language course is comparable to an advanced 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 year course.

DC SPANISH V

Grade Placement: 9-11

Prerequisite: Dual Language Spanish 1-III or DC Spanish IV and TSIA2

Credit/GP: 1/ Weighted/ Course #:

Students who have completed the Dual Language Program through 8th grade and have credits for Spanish I-IV may enroll in DC Span V and will be required to meet standard of both Spanish V 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

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course adheres to Angelina College curriculum and requirements for SPAN 2312, Intermediate Spanish II.

AP SPANISH VI LITERATURE

Grade Placement: 11-12

Prerequisite: Spanish V AP

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 year 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.

LANGUAGE ARTS - ENGLISH COURSES

ENGLISH I

Grade Placement: 9

Prerequisite: None

Credit/GP: 1 / Standard/ Course #: E1N000

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.

ADVANCED ENGLISH I

Grade Placement: 9

Prerequisite: None

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Credit/GP: 1 / Weighted/ Course #: E1P000

Advanced English I 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.

ADVANCED INTEGRATED HUMANITIES ENGLISH I

Grade Placement: 9

Prerequisite: Committee Selection; 8th Grade Reading STAAR

Level II-Approaches Grade Level

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

Advanced Integrated Humanities English 1 is an advanced level course designed from a humanities perspective that will engage students in an intensive study of advanced texts and media in an effort to prepare them for the Advanced Placement Language and Composition and the Literature and Composition courses. Students will examine literature, historical movements, visual arts, and musical expression as interconnected forms of human experience and communication. Through rigorous study of diverse texts—including novels, poetry, drama, essays, and primary historical documents—students will investigate how artists, writers, musicians, and thinkers respond to and shape their worlds. The course emphasizes critical analysis, creative expression, and interdisciplinary thinking as students trace common themes across different forms of human expression.

This advanced course is designed for motivated students ready to engage with complex texts and ideas, participate actively in seminar-style discussions, and produce thoughtful written and creative work. Emphasis is on independent learning through research and presentation.

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

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,

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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.

ADVANCED ENGLISH II

Grade Placement: 10

Prerequisite: English I EOC Approaches Grade Level

Credit/GP: 1 / Weighted/ Course #: E2P000

Students enrolled in Advanced English II 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.

ADVANCED INTEGRATED HUMANITIES ENGLISH II

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

Grade Placement: 10

Prerequisite: Advanced Integrated Humanities English I; English I EOC Approaches Grade Level

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

Advanced Integrated Humanities English II 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: Advanced English, AP World History, and the AP History of Art. 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

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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.

DC ENGLISH III - ENGL 1301/1302

Grade Placement: 11

Prerequisite: English I and II EOC Approaches Grade Level

Credit/GP: 1 / Weighted/ Course: E3A010/E3A020

Students enrolled in Dual Credit English III 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.

AP ENGLISH III

Grade Placement: 11

Prerequisite: English I and II EOC Approaches

Credit/GP: 1 / Weighted/ Course #: E3A000

Students in AP English III will complete the curriculum for AP English Language and Composition. This is an introductory college-level composition course where students cultivate

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their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. One AP test is required at the end of this course.

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 IV

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.

DC ENGLISH IV - ENGL 1301/1302

Grade Placement: 12

Prerequisite: English I and II EOC Approaches grade level, English III and TSIA2

Credit/GP: 1/ Weighted/ Course #: E4A010/E4A020

Students enrolled in Dual Credit English IV 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.

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

DC ENGLISH IV - ENGL 2323/2311

Grade Placement: 12

Prerequisite: English 1301 TSIA2

Credit/GP: 1/ Weighted/ Course #: E4A000

Students enrolled in Dual Credit English IV will be required to meet standards of both English IV as set by Lufkin High School, as well as, ENGL 2323 & 2311 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.

AP ENGLISH IV

Grade Placement: 12

Prerequisite: English I and II EOC Approaches

Credit/GP: 1/ Weighted/ Course #: E4A000

Students in AP English IV will complete the curriculum for AP English Literature and Composition. This is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. One AP test is required at the end of this course

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#:R1RER0

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.

ENGLISH IMPLICIT

Grade Placement: 11-12

Prerequisite: Non- Master of EOC

Credit/GP: 1/2 / Local/Standard/ Course #:

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

PROFESSIONAL COMMUNICATIONS

Grade Placement: 9-12

Prerequisite: None

Credit/GP: ½ / Standard /Course #: J0NPC5

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

DC PROFESSIONAL COMMUNICATIONS SPCH 1315

Grade Placement: 9-11

Prerequisite: TSIA2

Credit/GP: ½ / 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.

MATHEMATICS

APPLIED MATH

Grade Placement: 9-12

Prerequisite: ARD Committee Decision

Credit/GP: 1 / Modified/ Course #: R1RMR0

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 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,

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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.

ADVANCED ALGEBRA I

Grade Placement: 8-9

Prerequisite: None

Credit/GP: 1 / Weighted/ Course #: M1P000

This course is 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 1 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: 9-11

Prerequisite: Algebra I

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

Geometry is a 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

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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.

ADVANCED GEOMETRY

Grade Placement: 9-11

Prerequisite: Algebra I

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

Geometry Advanced is an 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 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 realworld 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

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Algebra II Advanced is an 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.

MATHEMATICAL MODELS WITH APPLICATIONS

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

Prerequisite: Algebra I

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

In the 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.

COLLEGE PREPATORY 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.

STATISTICS AND BUSINESS DECISION MAKING

Grade Placement: 11-12

Prerequisite: Algebra II

Credit/GP: 1 / Standard/ Course #: M6NST0

Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid. Note: This course satisfies a high school mathematics graduation requirement.

Programs of Study: Business Management

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AP STATISTICS

Grade Placement: 11-12

Prerequisite: Algebra II with teacher recommendation

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

The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

DC STATISTICS

Grade Placement: 11-12

Prerequisite: Algebra II and TSIA2

Credit/GP: 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.

DC FINITE MATH

Grade Placement: 11-12

Prerequisite: Algebra II and TSIA2

Credit/GP: 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.

AP PRE-CALCULUS

Grade Placement: 10-12

Prerequisite: Algebra II

Credit/GP: 1/ Weighted/ Course #: M5A000

AP Precalculus is designed to offer high school students a research-based exploration of functions designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. In this course, students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. During this course, students acquire and apply mathematical tools in real-world modeling situations in preparation for using these tools in college-level calculus. AP Precalculus fosters the development of a deep conceptual understanding of functions. As a result of examining functions from many perspectives, students develop a conceptual understanding not only of specific function types but also of functions in general. This type of understanding helps students to engage with both familiar and novel contexts.

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AP CALCULUS I - AB/BC

Grade Placement: 12

Prerequisite: Advanced Pre-Calculus

Credit/GP: 1 / Weighted/ Course #: M6A000 - M7A000

AP Calculus I 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 one of the most rigorous mathematics courses 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.

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.

Program of Study: Cybersecurity

ADVANCED COMPUTER SCIENCE I

Grade Placement: 9-12

Prerequisite: Algebra I and AP Computer Science Principles Preferred

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

This is a 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.

Program of Study: Cybersecurity

AP COMPUTER SCIENCE A

Grade Placement: 9-12

Prerequisite: Algebra I and Advanced Computer Science I

Credit/GP: 1 / Weighted/ Course #: M0ACS0

This is a 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

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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.

Note: This course may serve as the fourth math credit and language credit.

Program of Study: Cybersecurity

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 / Standard 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

Credit/GP: 1/ Standard/I Course #: S1N000

IPC is an introductory class that is limited to the 9th or 10th grade years. This class provides foundational knowledge about how the 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

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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.

ADVANCED CHEMISTRY

Grade Placement: 10-12

Prerequisite: Algebra I and Biology

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

Advanced Chemistry is recommended for students who anticipate studying advanced science. . 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 advanced lab procedures and 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 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 FOR ENGINEERING

Grade Placement: 10-12

Prerequisite:Algebra 1 and Biology

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

In Physics for Engineering, students conduct laboratory and field investigations, use scientific and engineering practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems are described in terms of space, time, energy, and matter. Students study topics, including laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students apply physics concepts and perform laboratory experimentations for at least 40 percent of instructional time using safe practices.

Note: This course satisfies a high school science graduation requirement.

Programs of Study: Engineering Foundations

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ADVANCED PHYSICS FOR ENGINEERING

Grade Placement: 10-12

Prerequisite: Algebra 2 and Biology may be corequisite with dept approval

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

In Physics for Engineering, students conduct laboratory and field investigations, use scientific and engineering practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems are described in terms of space, time, energy, and matter. Students study topics, including laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students apply physics concepts and perform laboratory experimentations for at least 40 percent of instructional time using safe practices. This class will use selected advanced lab procedures and testing format.

Note: This course satisfies a high school science graduation requirement.

Programs of Study: Engineering Foundations

AP PHYSICS II- PHYSICS C MECHANICS

Grade Placement: 11-12

Prerequisite: AP Pre-Calculus and Advanced Physics I

Credit/GP: 1 / Weighted/ Course #: S5APHO

AP Physics C Mechanics is a calculus based course and is recommended for students who desire a detailed study in 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.

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.

Program of Study: Law Enforcement

BIOLOGICAL SCIENCES

BIOLOGY I

Grade Placement: 9-11

Prerequisite: None

Credit/GP: 1 /Standard/ Course #: S2N000

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.

ADVANCED BIOLOGY I

Grade Placement: 9-11

Prerequisite: None

Credit/GP: 1 /Weighted/ Course #: S2P000

Biology I Advanced is recommended for students who anticipate studying advanced science. 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 advanced lab procedures and testing format.

DC BIOLOGY I & II (Lecture + Lab) BIOL 1406/1407

Grade Placement: 11-12

Prerequisite: Biology, Chemistry and TSIA 2

Credit/GP:1/ Weighted/ Course #: S6AF60-S6AS70

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. The course will serve as a science credit.

AP BIOLOGY II

Grade Placement: 10-12

Prerequisite: Biology I and Chemistry I

Credit/GP: 1 / Weighted/ Course #: S5ABI0

AP Biology II 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.

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ANATOMY & 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.

Note: The course will serve as a science credit.

Program of Study: Nursing Science

DC ANATOMY & PHYSIOLOGY BIOL 2401/2402

Grade Placement: 11-12

Prerequisite: Biology, Chemistry and 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.

Note: The course will serve as a science credit.

Program of Study: Nursing Science

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.

Note: The course will serve as a science credit.

Program of Study: Nursing Science

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.

Note: The course will serve as a science credit.

Program of Study: Nursing Science

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 allow 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

AP Environmental Science 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: ½ 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

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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 18 weeks or a full year

SCIENCE EOC REMEDIATION

Grade Placement: 10-12

Prerequisite:

Credit/GP: 1 / Standard Local/ Course #: S0N125

The class will review the objectives addressed on the STAAR 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.

ADVANCED WORLD GEOGRAPHY

Grade Placement: 9

Prerequisite: None

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

Advanced World Geography 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: None

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.

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ADVANCED WORLD HISTORY

Grade Placement: 10

Prerequisite: None

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

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.

DC U.S. HISTORY - HIST 1301/1302

Grade Placement: 11

Prerequisite: World History and TSIA2

Credit/GP: 1/ Weighted/ Course #: H3A010/H3A020

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. Students are responsible for books and tuition unless otherwise noted. Contact the Counseling Office for further information.

AP U.S. HISTORY

Grade Placement: 11

Prerequisite: World History

Credit/GP: 1/ Weighted /Course #: H3A000

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

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Prerequisite: U.S. History

Credit/GP: ½ / 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.

DC GOVERNMENT - GOVT 2305 - 2306

Grade Placement: 12

Prerequisite: US History and TSIA2

Credit/GP: ½ / Weighed/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.

AP GOVERNMENT

Grade Placement: 12

Prerequisite: U.S. History

Credit/GP: ½ / Weighted /Course #: H4A005/H4AAS5

AP Government gives students a thorough understanding of the structure and function of the 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: ½ / 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.

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DC PRINCIPLES OF MACROECONOMICS- ECON 2301

Grade Placement: 12

Prerequisite: US History and TSIA2

Credit/GP: ½ /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.

AP MACROECONOMICS

Grade Placement: 12

Prerequisite: U.S. History

Credit/GP: ½ /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.

AP EUROPEAN HISTORY

Grade Placement: 11-12

Prerequisite: None

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.

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SOCIOLOGY

Grade Placement: 9-12

Prerequisite: None

Credit/GP: ½ / Standard / Course#: H6N005

Sociology is a one term 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: ½ / 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: ½ / Local / Course #: H0NI25

This course is offered for the student who has not met "Approaches Grade Level" in the 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.

DC GENERAL PSYCHOLOGY

Grade Placement: 9-12

Prerequisite: TSIA2

Credit/GP: ½ / Weighted/ Course #: H6ADC5

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

DC PSYCHOLOGY - LIFESPAN GROWTH AND DEVELOPMENT

Grade Placement: 9-12

Prerequisite: TSIA2

Credit/GP: ½ / Weighted Course #: H7ADS5

This course 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

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course adheres to Angelina College curriculum and requirements for PSYC 2314. Students are responsible for books and tuition unless otherwise noted.

OTHER COURSES

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. Office aide positions will serve the office assigned.

DC LEARNING FRAMEWORKS - EDUC 1300

Grade Placement: 9

Prerequisite: ECHS Acceptance

Credit/GP: ½ / Weighted / Course #: C1PCS5

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.

BRAILLE 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

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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.

NAVIGATING LIFE (Deaf/Hard of Hearing)

Grade Placement: 9-12

Prerequisite: None

Credit/GP: 1/ Standard/ Course#:

The purpose of this course is to provide information, resources, and opportunities that will empower students who are deaf or hard of hearing to apply information or skills learned in educational, home, and community settings in order to facilitate achievement in secondary and post secondary environments. Areas to be addressed include audiology, hearing health, assistive technology, available support services and accommodations, communication, self-determination and advocacy, and Deaf culture.

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 provide 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 1

Fundamental Geometry

Fundamental Math Models

Fundamental Algebra II

FUNDAMENTAL ACADEMIC ENGLISH

Grade Placement: 9-12

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Prerequisite: ARD Committee Decision

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

These courses provide 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.

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Texas Education Agency Division of Career and Technology (Public Notification of Nondiscrimination in Career and Technology Education Program)

1. Lufkin Independent School System offers Careers and Technology Education programs in Agriculture Science and Technology, Business Education, Family and Consumer Science, Health Science and Technology, Marketing Education, Technology Education and Trade and Industrial Education. Admissions is based on interest and aptitude, age appropriateness, and class space available.
2. It is the policy of LISD not to discriminate on the basis of race, color, national origin, sex, or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.
3. It is policy of the LISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.
4. LISD will take steps to ensure that lack of English language skills will not be a barrier to admission and participation in vocational programs.
5. For information about your rights or grievance procedures, contact the Title IX Coordinator at 101 Cotton Square, Lufkin, Texas, 75902, (936)630-4342, and/or the Section 504 Coordinator, Kim Kassaw at 701 N. First St, (936)630-4361.

División de Carreras y Tecnología de la Agencia de Educación de Texas (Notificación pública de No discriminación en el Programa de Educación Profesional y Tecnológica)

1. El Sistema Escolar Independiente Lufkin ofrece programas de Educación de Carreras y Tecnología en Ciencia y Tecnología Agrícola, Educación Comercial, Ciencia de la Familia y el Consumidor, Ciencia y Tecnología de la Salud, y Tecnología, Educación en Mercadotecnia, Educación Tecnológica y Educación Comercial y Educación Industrial. Las admisiones se basan en el interés y la aptitud, la edad apropiada y el espacio disponible para las clases.
2. Es política de LISD no discriminar por motivos de raza, color, nacionalidad, sexo o discapacidad en sus programas, servicios o actividades vocacionales, según lo requiere el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; Título IX de las Enmiendas a la Educación de 1972; y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.
3. Es política de LISD no discriminar por motivos de raza, color, nacionalidad, sexo, discapacidad o edad en sus prácticas laborales, como lo requiere el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; Título IX de las Enmiendas a la Educación de 1972; la Ley de Discriminación por Edad de 1975, según enmienda; y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.
4. LISD tomará las medidas necesarias para asegurar que la falta de habilidades en el idioma inglés no sea una barrera para la admisión y participación en programas vocacionales.
5. Para obtener información sobre sus derechos o procedimientos de quejas, comuníquese con el Coordinador del Título IX en 101 Cotton Square, Lufkin, Texas, 75902, teléfono (936)630-342, y/o al Coordinador de la Sección 504, Kim Kassaw en 701 N. First St, Lufkin, TX 75901 al teléfono (936)630-4361