

**Arkansas High School
Course Description Guide
2017-2018**

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VISION

Create a culture of mutual respect and academic success.

MISSION

We will lead our students by serving them, educating them, and guiding them to become critical thinkers and life-long learners. We will do whatever it takes to make our students successful.

CORE BELIEFS

We believe our educational community encompasses all families, students, staff, businesses, and civic organizations.

We believe that all members of our educational community should feel valued, secure, and involved.

Open communication is vital to the success of our educational community.

Everyone within this community will be respectful and respected, expectant but positive, accountable but fair.

ADVANCED PLACEMENT COURSES

The College Board's Advanced Placement program enables students to pursue college-level studies with the opportunity to earn college credit and/or weighted credit. Deciding to take an AP course lets colleges and universities know that you have what it takes to succeed in an undergraduate environment. Taking AP is also a sign that you're up for the most rigorous classes your high school has to offer. Students must attend the complete course and take the related AP exam offered by the College Board in the spring in order to receive weighted credit. The Arkansas Department of Education provides for the College Board testing fees with the exception of unexcused absences on test days. For additional information on earning college credit and researching colleges' AP credit policies, follow this link: <https://apstudent.collegeboard.org/creditandplacement/search-credit-policies>

ADVANCED PLACEMENT COURSES:

Advanced Placement Art History
Advanced Placement Biology
Advanced Placement Calculus AB
Advanced Placement Calculus BC
Advanced Placement Chemistry
Advanced Placement Computer Science A
Advanced Placement Computer Science Principles
Advanced Placement Environmental Science
Advanced Placement European History with WE.org Service
Advanced Placement Human Geography
Advanced Placement Language and Composition 11
Advanced Placement Literature and Composition 12
Advanced Placement Music Theory
Advanced Placement Physics I
Advanced Placement Physics II
Advanced Placement Psychology
Advanced Placement Research
Advanced Placement Seminar
Advanced Placement Spanish Language
Advanced Placement Statistics
Advanced Placement Studio Art 3D/Sculpture
Advanced Placement Studio Art Drawing
Advanced Placement Studio Art 2D/Photography
Advanced Placement U.S. Government and Politics
Advanced Placement United States History
Advanced Placement World History

CONCURRENT CREDIT COURSES

Concurrent credit course offerings in English, education, social studies, and mathematics allow students to obtain credit toward a high school diploma at the same time they earn college credit. The college/university specifies the concurrent credit admission and registration requirements for high school students. **Students must have the required ACT score or its equivalent in order to register for a concurrent credit math course. SEATING AND SPACE IS LIMITED TO ONLY THOSE STUDENTS REGISTERED WITH THE COLLEGE. Students who register for a concurrent credit math course without meeting the college admission requirements will be immediately dropped and enrolled in a different high school math course.** Students must be admitted to the college/university in order to receive college credit for the course. The college institution used for English, education, social studies, and mathematics is the University of Arkansas- Texarkana (UA-T). STUDENTS ENROLLED IN CONCURRENT CREDIT COURSES MUST SIGN A COLLEGE RELEASE FOR PARENTS TO ACCESS GRADES. Additional concurrent credit courses offered through the Career Tech Center can be found in the Career Tech Center section of this guide.

*Advanced Placement English Literature & Composition (ENGL 1013 – Composition I (fall semester)/ENGL 1023 – Composition II (spring semester))

*Advanced Placement US History (HIST 2013 – History of US to 1865 (fall semester)/ HIST 2023 – History of US since 1865 (spring semester))

MATH 1175 College Pre-Calculus (offered in spring semester only)

MATH 1053 College Algebra (offered in both fall & spring)

** EDUC 2004 Introduction to Education

*This concurrent credit course is blended within the Advanced Placement course. Students must take the AP exam administered in the spring through the College Board in order to receive college credit and weighted credit.

** Enrollment in this course requires admission to the Teacher Cadets Program

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Teacher Cadets Program

The Arkansas Teacher Cadets Program is a nationally recognized high school teacher recruitment program aimed at attracting the best and brightest students to the teaching profession. The program provides a curriculum-based, hands-on approach to educate students on the requirements to become a successful teacher and enables students to put their knowledge to work through a classroom internship.

The mission of the program is to encourage academically abled students who possess exemplary interpersonal and leadership skills to consider teaching as a career. It provides the opportunity for schools and districts to identify and recruit homegrown teachers and educators, providing a gateway for these academically talented students to return to their communities as education professionals. Teacher Cadets is a rigorous college level, dual credit accrual course. For a student to be eligible to enroll in the Teacher Cadets course, candidates must have a “B” average and successfully complete the application and selection process. Applications can be obtained from the counselor’s office. For additional information, follow this link:

<http://www.arkansased.gov/divisions/human-resources-educator-effectiveness-andlicensure/office-of-educator-effectiveness/recruitment-and-retention/teacher-cadets-program>

Conditions for Acceptance:

- Have a GPA of at least 3.0 on a 4-point scale and/or receive a recommendation from the Review Panel.
- Be enrolled in a college preparatory curriculum
- Be recommended in writing by two or more instructors
- Submit an essay on why he/she wants to be in the class
- Be a junior or senior
- Participate in an interview
- Agree to provide data for program evaluation conditions while enrolled
- Agree to complete the course in its entirety; students will not be eligible to receive partial credit for this class. Students transferring schools can enroll in teacher cadets at the receiving school if offered. If not, the student will be allowed to withdraw from the class.
- Agree to adhere to the Teacher Cadets Discipline Policy as outlined in the course requirements.
- Participate and/or observe teaching activities in a variety of settings (preschool, kindergarten, elementary school middle school, high school, vocational education/career centers, and special education classes, with a special emphasis on critical shortage areas).
- Complete and submit data for program evaluation.

INTRODUCTION TO EDUCATION/TEACHER CADET PROGRAM (EDUC 2003) – 497100

Grades 11-12

1 semester/1 credit

Prerequisite: Students must be accepted into the Teacher Cadet Program and follow the UACCH admission and registration requirements.

This course is an introduction to teaching focusing on the history and philosophy of education. It requires a minimum of 30 hours of visitation and observation in public schools. Students are scheduled to observe at least 5 hours each in elementary (P-4), middle school, and secondary settings. ***Concurrent Credit (high school AND college credit) is available to students who have met admission, registration, and grade requirements for EDUC 2004.**

TEACHER CADET COMMUNITY SERVICE LEARNING (spring semester only) – 496010

Grades 11-12

1 semester/1 credit

Prerequisite: Students must have been accepted into the Teacher Cadet Program and have successfully completed introduction to education.

Service Learning emphasizes the importance of leadership skills, volunteerism, and professionalism. Students learn communication strategies, conflict resolution techniques, and responsible citizenship, and put these skills into practice through researching, planning, and implementing community service projects. High school students will participate in 75 hours of “Community Service Learning” at approved locations to receive one academic credit towards graduation. This credit is available through Act 648 of 1993 and the ADE rules and regulations governing Community Service Learning.

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Gifted and Talented and/or AP Capstone Diploma Course Offerings

AP Capstone is an innovative diploma program that provides students with an opportunity to engage in rigorous scholarly practice of the core academic skills necessary for successful college completion. Over 300 colleges and universities have confirmed their support for AP Capstone by signing a statement of support endorsing its rigorous interdisciplinary approach. Some of the colleges and universities include Yale, Princeton, Vanderbilt, Rice, Harvard, and the University of Arkansas to name a few. A more complete list of colleges and universities endorsing AP Capstone can be found here: <https://advancesinap.collegeboard.org/ap-capstone/higher-education-support>

AP Capstone is built on the foundation of two courses – **AP Seminar and AP Research (offered in 2017-18)** – and is designed to complement and enhance the in-depth, discipline-specific study provided through AP courses. It cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions.

Students typically take AP Seminar in the 10th grade, followed by AP Research. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP exams of their choosing will receive the **AP Capstone Diploma**. This signifies their outstanding academic achievement and attainment of college-level academic and research skills. Alternatively, students who earn scores of 3 or higher in AP Seminar and AP Research will receive the **AP Seminar and Research Certificate** signifying their attainment of college-level academic and research skills.

For additional information: <https://ap.collegeboard.org/ap-capstone>

GATE (Gifted and Talented Education) 9 is a recommended course for 9th grade students interested in pursuing AP Seminar and AP Research in the 10th and 11th grade.

GATE (Gifted and Talented Education) - 596109

Grade 9

1 year/1 credit

Prerequisite: Students must be identified as GT and in the 9th grade

This is an interdisciplinary course that focuses on four core strands; Critical Thinking, Creative Thinking, Independent and Group Investigation, and Personal Growth. The curriculum adheres to state standards for GT and incorporates student interests, and project based learning, which includes a variety of subject areas such as visual arts, music, history, math, science, and computer literacy. Students are provided opportunities to participate in various competitions that meet their personal interests such as, but not limited to, Quiz Bowl, Brain Challenge, math competitions, Destination Imagination, and creative writing.

ADVANCED PLACEMENT SEMINAR – 517060

Grades 10-12 1 year/1 credit

Prerequisite: NONE (GATE 9 and/or a strong command of English Language Arts is recommended due to the extensive writing required for this course.)

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcast, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research based written essays (approximately 2000 words), and design and deliver oral visual presentations, both individually and as part of a team. Students must avoid plagiarism by acknowledging, attributing and/or citing sources throughout the paper and include a bibliography. Ultimately, the course aims to equip student with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Students are required to submit their work to the College Board and to take the College Board written exam in the spring in order to receive weighted credit.

ADVANCED PLACEMENT RESEARCH – 517070

Grades 11-12 1 year/1 credit

Prerequisite: Successfully completing AP Seminar and scoring a 3 or higher on the AP Seminar Advanced Placement exam.

AP Research allows student to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense. Scoring a 3 or higher on the AP Research exam fulfills one of the six requirements necessary for the AP Capstone Diploma.

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English and Language Arts

Only one grade level course per year will be allowed.

ENGLISH 9 – 410000 NCAA Clearinghouse Approved

Grade 9 1 year/1 credit

Prerequisites: ENGLISH 8

Students will develop analytical reading, academic writing, critical thinking, and presentation skills. Course content includes nonfiction, short story, myth, poetry, drama, and the novel. Writing instruction will extend development in three modes as outlined by the College and Career Readiness Standards: narrative, expository, and argumentative. Students will develop skills in critical thinking, effective discourse, collaboration, and reflection.

Pre AP ENGLISH 9 - 410001 NCAA Clearinghouse Approved

Grade 9 1 year/1 credit

Prerequisites: Successful completion of English 8

Pre AP English 9 is a college preparatory course providing a challenging curriculum for high achieving students. Strong attention will be given to the development of composition skills and the use of Modern Language Association (MLA) documentation. Vocabulary development and outside reading will complement each unit. Literary genres studied will include the short story, poetry, myths, drama, non-fiction, and the novel. Based on the areas of interaction, this fast-paced and rigorous course emphasizes World and American Literature, language arts basics, critical thinking skills, and challenging composition competencies. Literary analysis and both oral and written reflection are highlighted. Designed with a global focus, study will encompass a wide variety of periods, cultures, and genres. This course prepares the student for further work in Advanced Placement courses.

ENGLISH 10 – 411000 NCAA Clearinghouse Approved

Grade 10 1 year/1 credit

Prerequisites: Successful completion of ENGLISH 9

Students will analyze literature, conduct research, and synthesize meaning from historical, cultural, and intellectual contexts with varying themes. Analytical reading instruction will extend understanding of literary elements and language. Course content includes nonfiction, short story, poetry, and drama. Writing instruction will extend development in three modes: narrative, expository, and argumentative. Students will develop skills in critical thinking, effective discourse, collaboration, and reflection.

Pre AP ENGLISH 10 - 411001 NCAA Clearinghouse Approved

Grade 10 1 year/1 credit

Prerequisites: Successful completion of ENGLISH 9

Pre AP English 10 is a college preparatory course providing a challenging curriculum for high achieving students. Strong attention will be given to the development of advanced composition skills as students study forms of world literature including: short stories, poetry, mythology, drama, non-fiction, and the novel. Outside reading and writing assignments will be required with emphasis placed on high level thinking and research skills. This rigorous and fast-paced program of study encompasses a global focus concentrating on the areas of interaction, literary analysis, critical thinking, and problem solving techniques and language and grammar basics. This course also prepares the student for further work in Advanced Placement courses.

ENGLISH 11 – 412000 NCAA Clearinghouse approved

Grade 11 1 year/1 credit

Prerequisites: Successful completion of ENGLISH 9 and ENGLISH 10

Students will analyze, synthesize, and research varying forms of American literature while reading essays, plays, poetry, short stories, novels, historical speeches, and historical documents. Analytical reading instruction will extend understanding of literary elements and language. Writing instruction will extend development in three modes: narrative, expository, and argumentative. Students will develop skills in critical thinking, effective discourse, collaboration, and reflection.

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION 11 – 517030 NCAA Clearinghouse Approved

Grade 11 1 year/1 credit

Prerequisites: Successful completion of ENGLISH 9 and ENGLISH 10

AP Language and Composition 11 will include the study of fiction and non-fiction prose from a variety of periods, disciplines, and contexts. The course will also involve a variety of writing for different audiences and purposes as well as analysis of style, application to non-fiction prose, and a study of vocabulary, grammar use, and mechanics in the context of composition. For weighted credit to be awarded, students must take the AP exam in the spring and complete the course for the entire year.

ENGLISH 12 – 413000 NCAA Clearinghouse Approved

Grade 12 1 year/1 credit

Prerequisites: Successful completion of ENGLISH 9, ENGLISH 10 and ENGLISH 11

Students will analyze, synthesize, and research complex literary work and nonfiction prose to formulate their own academic arguments. Analytical reading instruction will extend understanding of literary elements and language. Writing instruction will extend development in three modes: narrative, expository, and argumentative. Students will develop skills in critical thinking, effective discourse, collaboration, and reflection.

TRANSITIONAL ENGLISH 12 – 413010 English 12 credit NCAA Clearinghouse approved

Grade 12 1 year/1 credit

Prerequisite: English 11 or AP English Language & Composition

Transitional English 12 is a two=semester English Language Arts course, designed to dramatically accelerate students' literacy skills essential for college and career readiness. The course is comprised of two Transitional Literacy Ready English Language Arts units and additional district-developed units of study that encompass English Language Arts standards for Grade 12. By ensuring students develop the essential reading and writing tasks needed to be successful; the goal of the units of study is to provide rigorous curricula that meet the demands of students for postsecondary course work common in college English classes. Transitional English 12 fulfills the 12th grade English credit requirement in the state of Arkansas.

ADVANCED PLACEMENT LITERATURE AND COMPOSITION 12 (ENGL 1013 – Composition I (fall semester) /ENGL 1023 – Composition II (spring semester)) – 517040 NCAA Clearinghouse approved

Grade 12 1 year/1 credit

CONCURRENT CREDIT – ENGL 1013 Composition I (fall semester) 519940 & ENGL 1023 Composition II (spring semester) 519900

Grade 12 1 year/2 credits

Prerequisites: ENGLISH 11 or AP LANGUAGE AND COMPOSITION 11

AP Literature and Composition 12 is a blended concurrent credit course for 3 semester hours of English Composition. Concurrent credit is available to students who have a qualifying score on the ACT or Compass Test to enroll with the participating college. This course will include a study of the novel, the essay, drama, and poetry from British and world literature. Aspects of writing such as sentence structure, style, mechanics, and usage, as well as organization and development of the essay, will be emphasized through student composition. Students will be prepared to take the College Board AP test in Literature and Composition and may receive college credit if scores meet college requirements (scores vary by college). For weighted credit to be awarded, students must take the AP Exam in the spring and be enrolled in the course for the entire year. ***Concurrent Credit (high school AND college credit) is available to students who have met admission, registration, and grade requirements for ENGL 1013 & ENGL 1023.**

CREATIVE WRITING – 417010 NCAA Clearinghouse Approved

Grades 9-12 1 semester/.5 credit

Prerequisite: NONE

Creative Writing is a one-semester English elective course designed to engage students in the writing of poetry, short fiction, and personal narratives with an emphasis on developing and exercising imagination. Students will analyze and discuss exemplary texts to develop creative writing skills. Students will critique and refine writing through guided discussions, collaborative revisions, and individual reflections. Students will produce a portfolio of creative work that reflects student growth and understanding of the techniques of published authors. Students will share writing in a variety of ways and research methods for publishing original work.

ELA DRAMA (DRAMATIC LITERATURE) – 416000 NCAA Clearinghouse Approved

Grades 9-12 1 semester/.5 credit

Prerequisite: NONE

ELA Drama is a one-semester English elective course designed to introduce students to the study of dramatic literature. Through the study of written plays, students will become informed, perceptive, and appreciative audience members of plays from various cultures and time periods. To accomplish this goal, students will gain knowledge of dramatic elements by studying classical to contemporary plays. Students will examine and compare historical influences and contexts, universal themes in dramatic literature, and authorial treatment of tragic heroes from various periods. Students will demonstrate understanding of dramatic literature through creative oral and written interpretations and adaptations.

DEBATE I – 414050 NCAA Clearinghouse Approved

Grades 9-12 1 year/1 credit

Prerequisite: NONE

Debate I is a two-semester course that will provide students with an understanding of the dynamics of effective oral communication with speaking, listening, and responding. Students will develop basic communication competencies including ethical practices in communication; recognition of communication barriers; and effective use of interpersonal communication, listening, verbal and nonverbal messages, and use of digital media. The life skills listed in Strand 4: Communication Competencies will be embedded throughout the course. Further, students in Debate I will gain an understanding of the fundamentals of argumentation and will express ideas and present information in a variety of oral advocacy situations from small group discussions to formal debates. Special emphasis will be given to research proficiencies and analytical thinking and listening skills. **Debate I fulfills the ½ unit of Oral Communication required for graduation.**

ORAL COMMUNICATIONS – 414000 NCAA Clearinghouse Approved

Grades 10-12 1 semester/.5 credit

Prerequisite: NONE

The one-semester Oral Communication course will provide students with an understanding of the dynamics of effective communication when speaking, listening, and responding. Students will express ideas and present information in a variety of communication tasks including small group discussion, formal and informal presentations, and oral interpretation of literature. Students will develop basic communication competencies including ethical practices in communication, recognition of communication barriers; and effective use of interpersonal communication, listening, verbal and nonverbal messages, and use of digital media. The one-semester Oral Communication course fulfills the ½ unit of Oral Communication required for graduation.

ORAL COMMUNICATIONS (Digital) – 41400Z NCAA Clearinghouse Approved

Grades 10-12 1 semester/.5 credit

Prerequisite: None

The one-semester Oral Communication course will provide students with an understanding of the dynamics of effective communication when speaking, listening, and responding. Students will express ideas and present information in a variety of communication tasks including small group discussion, formal and informal presentations, and oral interpretation of literature. Students will develop basic communication competencies including ethical practices in communication; recognition of communication barriers; and effective use of interpersonal communication, listening, verbal, and nonverbal messages; and use of digital media. The one-semester Oral Communication course fulfills the ½ unit of Oral Communication required for graduation. This course is a digital course taken in a computer lab.

JOURNALISM I – 415000 NCAA Clearinghouse Approved

Grades 9-12 1 year/1 credit

Prerequisite: NONE

Journalism I is a two-semester course designed to introduce students to the world of media. Students in Journalism I will become analytical consumers of media and technology to enhance their communication skills. Writing, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, and produce effective communication. Students will learn journalistic guidelines for writing, design, and photography, which include objectivity, responsibility, and credibility. Students will publish journalistically sound media through guided practice.

JOURNALISM II – 415010

Grades 10-12 1 year/1 credit

Prerequisite: Successful completion of JOURNALISM I and/or instructor approval.

JOURNALISM III is a two-semester course designed to provide students with an intermediate study of media applications above Journalism I. This course can serve as further preparation for advanced media applications. Students in Journalism II will become active participants in the world of media to enhance their communication skills. Students will progress in their academic knowledge through the roles of reporters, photographers, ad sales, and marketing team members. Writing, technology, and visual and electronic media are used as tools for learning as students create, assess, and produce. Students will learn to apply journalistic guidelines for writing and design, which include objectivity, responsibility, and credibility. Students enrolled in this course who complete a written application, have yearbook advisor approval and a written recommendation by an English teacher, will have the opportunity to learn the basic fundamentals of yearbook publishing. Yearbook publishing will include journalistic writing, photography, design techniques, section design and theme, and implementing plans and skills for advertising and yearbook sales. Students new to yearbook publishing will be paired with a seasoned mentor for training and will be assigned limited pages to design. Attending a mini-yearbook workshop is encouraged. Students will publish journalistically sound media through guided practice.

JOURNALISM III – 415020

Grades 11- 12 1 year/1 credit

Prerequisite: Successful completion of JOURNALISM II and/or instructor approval

JOURNALISM III is a two-semester course designed to immerse students in the production process through an advanced study of media production. Students will employ journalistic skills in media. Students will use academic knowledge gained in Journalism I and II to assume leadership roles and/or become advanced writers, designers, and photographers. Writing technology and visual and electronic media are used as tools for learning as students create, critique, and produce. Students will adhere to journalistic guidelines for writing and design, which include objectivity, responsibility, and credibility. Students enrolled in this course who complete a written application, have yearbook advisor approval, and a written recommendation by an English teacher, will have the opportunity to advance their skills of yearbook publishing. Students will help plan yearbook activities, lead outside distribution and sales, campaign for seniors to schedule portraits, design layout patterns for each section of the yearbook, produce pages and submit proofing, work closely with editors proofing pages, and learn the responsibilities of an editorial position. Student will report and photograph school events and activities as they occur. Attending a mini-yearbook workshop is encouraged. Students will publish journalistically sound media through guided practice.

Language Arts: Foreign Language

The Language Arts Department recommends a foreign language as a minimum preparation for college; however, it is not required for high school graduation. The University of Arkansas and many other colleges require two years of foreign language for all students enrolled in the College of Arts and Sciences.

SPANISH I – 440000 NCAA Clearinghouse Approved

Grades 9-12 1 year/1 credit

Prerequisite: None

SPANISH I will provide basic instruction in pronunciation, aural comprehension, vocabulary, and grammar, and eventually lead to increased communicative and cultural proficiency in the target language (s). Target language cultures, traditions, and current events are introduced on the appropriate level through selected readings, audio/visual recording, and other authentic materials. Listening, speaking, writing, role-playing, and group activities are designed to instruct, reinforce, and connect language skills. Spanish I will include applications, problem solving, higher-order thinking skills, and performance-based and project-based assessments.

SPANISH II – 440020 NCAA Clearinghouse approved

Grades 9-12 1 year/1 credit

Prerequisite: SPANISH I

Emphasis remains on spoken Spanish; study of specific grammar, structure-true translation, reading, vocabulary, and writing practice continues. Cultural discussions are based on life in Spanish speaking countries. Current events via newspapers and broadcasts are used weekly. Students interested in taking Advanced Placement Spanish Language are strongly encouraged not to enroll in Digital Spanish II. It is recommended that they enroll in the face to face Spanish II class offered on campus.

DIGITAL SPANISH II – 44002Z NCAA Clearinghouse Approved

Grades 9-12 1 year/1 credit

Prerequisite: SPANISH I

Emphasis remains on spoken Spanish; study of specific grammar, structure-true translation, reading, vocabulary, and writing practice continues. Cultural discussions are based on life in Spanish speaking countries. Current events via newspapers and broadcasts are used weekly. Students interested in taking Advanced Placement Spanish Language are strongly encouraged not to enroll in Digital Spanish II. It is recommended that they enroll in the face to face Spanish II class offered on campus. This course is taken online in a computer lab through Virtual Arkansas.

ADVANCED PLACEMENT SPANISH LANGUAGE – 540070 NCAA Clearinghouse Approved

Grades 9-12

1 year/1 credit

Prerequisite: native Spanish speaker

An AP Spanish Language course is comparable to an advanced level (5th and 6th semester or the equivalent) college Spanish language course. Emphasizing the use of Spanish for active communication, it encompasses aural/oral skills, reading comprehension, grammar, and composition.

The course objectives include helping students understand Spanish spoken by native speakers at a natural pace, with a variety of regional pronunciations, in both informal (interpersonal) and formal (presentational) contexts; develop an active vocabulary sufficient for reading newspaper and magazine articles, contemporary literature, and other non-technical writings (websites, letters and emails, advertisements, signs and instructions) in Spanish without dependence on a dictionary; expressing oneself by describing, narrating, inquiring and developing arguments in Spanish, both orally and in writing, with reasonable fluency, using different strategies for different audiences and communicative contexts.

In this course, special emphasis is placed on the use of authentic source materials and the integration of language skills. Therefore, extensive training will be conducted in combining listening, reading, and speaking (or listening, reading and writing) skills in order to demonstrate understanding of authentic Spanish-language source materials. Students will be prepared to take the College Board AP Spanish and may receive college credit if scores meet individual college requirements. For weighted credit to be awarded, students must take the AP Exam in the spring.

The following courses are offered through the Distance Learning Center.

DIGITAL GERMAN I – 44200Z NCAA Clearinghouse Approved

Grades 9-12 1 year/1 credit

Prerequisite: NONE

This two semester course focuses on basic grammar, vocabulary and development of students' ability to read, write, listen, and speak at a beginning level in the target language. These studies are complimented by an introduction to the various aspects of the target culture. This course is a digital course taken in a computer lab.

DIGITAL GERMAN II – 44201Z NCAA Clearinghouse Approved

Grades 10-12 1 year/1 credit

Prerequisite: GERMAN I

This course builds on the vocabulary and concepts developed in German I. Students will master basic grammatical concepts like the dative case and present tense. Students will follow activities and exercises in the textbook and workbook. Active student participation is expected and will assist in rapid proficiency. Listening and speaking skills will be emphasized in skits and presentations and while using the language lab. This course is a digital course taken in a computer lab.

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Mathematics

SINCE MOST MATHEMATICS COURSES ARE SEQUENTIAL, IT IS REQUIRED THAT A STUDENT SUCCESSFULLY COMPLETE ANY PREREQUISITES BEFORE ENROLLING IN A COURSE.

ALGEBRA A (First part Algebra I) – 430100 NCAA Clearinghouse Approved

Grades 9-12 1 year/1 credit

Prerequisite: Math 8/Pre-Algebra

“The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra 1 than has generally been offered. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods of analyzing, solving, and using quadratic functions.

This course is recommended to students who were not successful in Math during 8th grade and/or in some instances, students who were not proficient or advanced on the ACT Aspire math grade 8 exam.

ALGEBRA B (Second part Algebra I) – 430200 NCAA Clearinghouse Approved

Grades 10-12 1 year/1 credit

Prerequisite: ALGEBRA A

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra I than has generally been offered. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions.

ALGEBRA I – 430000 NCAA Clearinghouse Approved

Grade 9 1 year/1 credit

Prerequisite: Successful Completion of MATH 8/PRE-ALGEBRA

This course provides the foundational concepts for high school mathematics. Topics include the language of algebra, solving and graphing equations and inequalities (linear and quadratic), systems of equations, properties of exponents, radical expressions, data and graphs, polynomial operations, and factoring of polynomials. A graphing calculator is recommended.

PAP ALGEBRA I – 430000 PENDING NCAA Clearinghouse Approval

Grade 9 1 year/1 credit

Prerequisite: Successful completion of 8th grade Pre-Algebra

This course provides the foundational concepts for high school mathematics which includes differentiated instruction and curriculum to foster the gifted and talented or college bound student. Topics include the language of algebra, solving and graphing equations and inequities (linear and quadratic), systems of equations, properties of exponents, radical expressions, data and graphs, polynomial operations, and factoring of polynomials, A graphing calculator is recommended.

BRIDGE TO ALGEBRA II - 435000

Grades 9-12 1 year/1 credit

Prerequisite: Students must have successfully completed coursework for Algebra I (AMCF*) or Algebra A&B (AMCF*) but not Algebra II. Students may enroll concurrently with Geometry but not concurrently with Algebra II.

Bridge to Algebra 2 was developed with the intent to provide students who have completed Algebra 1, under the 2004, amended 2006, *Arkansas Mathematics Curriculum Framework (AMCF), with the additional math foundation they need to be successful in a CCSS-M Algebra II course.

Each student learning expectation for Bridge to Algebra II is intended to:

- Reinforce linear concepts that were previously included in the Algebra 1 Course;
- Master quadratics and exponential concepts not included within the Arkansas Department of Education Algebra I Curriculum Framework through modeling functions and summarizing, representing, and interpreting data; or
- Introduce higher order concepts to prepare students for success in CCSS-M Algebra II.

Arkansas High School students with a D or F average in Algebra I will automatically be enrolled in this course. This course counts as an elective credit, and is NOT a math credit for smart core.

GEOMETRY – 431000 NCAA Clearinghouse Approved

Grades 9-10 1 year/1 credit

Prerequisite: Successful completion of ALGEBRA I

This course introduces concepts visually, analytically, inductively, and deductively. Topics include the basic terms of geometry, properties of 2-dimensional shapes, properties of 3-dimensional shapes, properties of parallel and perpendicular lines, angles, circles, triangles, polygons, transformations, right-angle trigonometry, inductive and deductive reasoning. A graphing calculator is recommended.

Pre AP GEOMETRY – 431001 NCAA Clearinghouse Approved

Grades 9-10 1 year/1 credit

Prerequisite: Successful completion ALGEBRA I (Students who have successfully taken Algebra I prior to their 9th grade year may take Pre AP Geometry and Pre AP Algebra II during the same school year, in order to accelerate to Advanced Placement math courses.)

This course provides a more in-depth study of the topics listed for geometry including applications. Since this is an advanced course, higher levels of understanding such as relationships of ideas, analysis, synthesis, and evaluation will be stressed. The content of Pre AP Geometry is similar to the content of the regular geometry class. Topics include the basic terms of geometry, logic and reasoning, slopes and equations of lines, angle relationships, and properties of polygons, triangles, transformations, right-triangle trigonometry, circles, perimeter, area, and volume. Pre AP Geometry encourages the use of mathematical investigations to measure and analyze geometric figures. Students learn to understand and discuss the international nature of mathematics and to use critical thinking to solve authentic problems. The student will gain insight into their mathematical strengths and weaknesses through reflection. A graphing calculator is required.

ALGEBRA II – 432000 NCAA Clearinghouse Approved

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of ALGEBRA I

This course is a continuation of the study of algebraic concepts presented in Algebra I with a deeper insight into problem solving applications. Additional topics include the complex number system, logarithms and exponential functions, the graphing and applications of quadratic, polynomial, and rational functions, linear systems of equations and inequalities, and trigonometry. A graphing calculator is required.

Pre AP ALGEBRA II – 432001 NCAA Clearinghouse Approved

Grades 10-12 1 year/1 credit

Prerequisite: Successful completion of ALGEBRA I and GEOMETRY (Students who have successfully taken Algebra I prior to the 9th grade year, may take Pre AP Geometry and Pre AP Algebra II during the same school year, in order to accelerate to Advanced Placement math courses.)

This course is an in-depth study of the Algebra II skills needed for advanced math courses such as Pre-Calculus and AP Calculus. It moves at a fast pace and is designed for highly motivated and capable students. The content of Pre AP Algebra II is similar to the content of the regular Algebra II class, but is more rigorous and faster paced. This course is a continuation of the study of algebraic concepts presented in Algebra I with a deeper insight into problem solving applications. Additional topics include the complex number system, logarithms and exponential functions, the graphing and applications of quadratic, polynomial, and rational functions, linear systems of equations and inequalities, and trigonometry. In addition, students are expected to select and apply appropriate inquiry and problem solving techniques to justify and prove mathematical relationships and general rules. This class promotes an understanding of how a variety of cultures have influenced mathematical thoughts and requires students to reflect the importance of their findings. A graphing calculator is required.

PRE-CALCULUS – 539960 NCAA Clearinghouse Approved

Grades 9-12 1 year/1 credit

Prerequisites: Successful completion of ALGEBRA 1, GEOMETRY, and ALGEBRA 2

Pre-Calculus will emphasize a study of trigonometric functions and identities as well as applications of right triangle trigonometry and circular functions. Students will use symbolic reasoning and analytical methods to represent mathematical situations, express generalizations, and study mathematical concepts and the relationships among them. Students will use functions and equations as tools for expressing generalizations. Teachers are responsible for including the eight Standards for Mathematical Practice found in the CCSS-M.

QUANTITATIVE LITERACY – 439120 Pending NCAA Clearinghouse Approval

Grades 9-12 1 year/1 credit

Prerequisite: Algebra 1

This course builds on Algebra 1 to explore mathematical topics and relationships. Emphasis will be placed on applying modeling as the process of choosing and using appropriate mathematics and statistics to analyze, to better understand, and to improve mathematical understanding in real world situations. Students will represent and process their reasoning and conclusions numerically, graphically, symbolically, and verbally. Quantitative Literacy will help students develop conceptual understanding by supporting them in making connections between concepts and applying previously learned material to new contexts. Students will be expected to use technology, including graphing calculators, computers, or data gathering tools throughout the course. Quantitative Literacy does not require Arkansas Department of Education approval. Quantitative Literacy counts as a 4th year math credit for smart core graduates beyond Algebra 2.

COLLEGE ALGEBRA (fall & spring semester) – 539900 NCAA Clearinghouse approved

Grades 11-12 1 semester/1 credit

Prerequisite: Successful completion of ALGEBRA I, GEOMETRY, ALGEBRA II, ACT math score of 19, ACT reading score of 19, or the equivalent scores from other college admission exams PRIOR TO SELECTING THE COURSE. Students who register for the course who have NOT met the course prerequisites will automatically be enrolled in another math course.

COLLEGE ALGEBRA is a concurrent credit math course for college credit. College algebra is a study in algebraic processes in inequalities and equations of quadratic and higher degree, progressions, determinants, matrices, and binomial theorem. ****Concurrent Credit (high school AND college credit) is only available to students who have met admission, registration, and grade requirements for MATH 1053.***

COLLEGE PRE-CALCULUS (spring semester only) – 43300B

Grade 11-12 1 semester/1 credit

Prerequisite: Successful completion of ALGEBRA I, GEOMETRY, ALGEBRA II, ACT math score of 19, and ACT reading score of 19, or the equivalent scores from other college admission exams PRIOR TO SELECTING THE COURSE. Students who register for the course who have NOT met the course prerequisites will automatically be enrolled in another math course.

COLLEGE PRE-CALCULUS will emphasize a study of trigonometric functions and identities as well as applications of right triangle trigonometry and circular functions. Students will use symbolic reasoning and analytical methods to represent mathematical situations, express generalizations, and study mathematical concepts and the relationships among them. Students will use functions and equations as tools for expressing generalizations. ****Concurrent Credit (high school AND college credit) is only available to students who have met admission, registration, and grade requirements for MATH 1175.***

ALGEBRA III – 439070 NCAA Clearinghouse Approved

Grades 9-12 1 year/1 credit

Prerequisites: Successful completion of ALGEBRA I, ALGEBRA II, AND GEOMETRY

This course will enhance the higher level thinking skills developed in Algebra 2 through a more in-depth study of those concepts and exploration of some pre-calculus concepts. Students in Algebra 3 will be challenged to increase understanding of algebraic, graphical, and numerical methods to analyze, translate and solve polynomial, rational, exponential, and logarithmic functions. Modeling real world situations is an important part of the course. Sequences and series will be used to represent and analyze real world problems and mathematical situations. Algebra 3 will also include a study of matrices and conics.

ADVANCED PLACEMENT STATISTICS – 539030 NCAA Clearinghouse Approved

Grades 11-12 1 year/1 credit

Prerequisites: Successful completion of ALGEBRA I, GEOMETRY, and ALGEBRA II

This course provides students the opportunity to meet content requirements for the AP exam as prescribed in the College Board of AP Program. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. This is a fast-paced course, and students are expected to demonstrate an understanding of challenging material. For weighted credit to be awarded, students must take the AP exam in the spring. A graphing calculator is required.

ADVANCED PLACEMENT CALCULUS AB – 534040 NCAA Clearinghouse Approved

Grades 11-12 1 year/1 credit

Prerequisites: Successful completion of Pre AP Algebra II, OR Pre-calculus, OR AP Statistics

This course is the beginning course in differential and integral calculus. It is the equivalent of a college Calculus 1 course and will be taught as such. Students who wish to obtain credit or appropriate placement in participating colleges must score sufficiently high on the AP exam given in the spring. For weighted credit to be awarded, student must take the AP exam in the spring. A graphing calculator is required.

ADVANCED PLACEMENT CALCULUS BC- 534050 NCAA Clearinghouse Approved

Grade 12 1 year/1 credit

Prerequisite: Successful completion of Pre AP Algebra II OR Pre-calculus OR AP Statistics

This course is the equivalent of a college Calculus 2 course with an emphasis on integrals and applications of derivatives and integrals. Students who wish to obtain credit or appropriate placement in participating colleges must score sufficiently high on the AP exam given in the spring. For weighted credit to be awarded, students must take the AP exam in the spring. A graphing calculator is required.

Arkansas High School Course Descriptions 2017-2018

Computer Science

On April 9, 2015, the State Board of Education approved an update to the Standards of Accreditation that created the computer science credit that the Arkansas Department of Education refers to as a flex credit. A student receiving a computer science flex credit can substitute that credit in place of the 4th math credit requirement or the 3rd science credit requirement for either Smart Core or Core graduation paths. The computer science course cannot substitute for the Biology graduation requirement. Some post-secondary institutions may require four math credits or three science credits and may not recognize a computer science flex credit to meet these requirements. This could have negative effects on a student's college admittance. If a student already has all four of his/her required math credits and all three of his or her required science credits and takes one of these courses, his or her credit will roll over to become a career focus credit. All computer science courses described in this section satisfy the digital learning graduation requirement according to Act 1280 of 2013.

ADVANCED PLACEMENT COMPUTER SCIENCE A – 560050 NCAA Clearinghouse Approved

Grades 10-12 1 year/1 credit

Prerequisite: Successfully completed or concurrently taking algebra 2.

AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.

By combining the academic challenge and rigor of Advanced Placement with **WE.org's** education and citizenship model, AP with WE.org Service creates an opportunity for students to consider their classroom work and how it applies to the real world, while working closely with their peers to address social issues.

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES – 560090

Grades 10-12 1 year/1 credit

Prerequisite: NONE. AP Computer Science A and/or a strong command in Algebra I is recommended.

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. AP Computer Science Principles focus on the innovative aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives. The programming language of this course is teacher choice. Students must participate in the College Board required performance tasks and written exam in order to receive weighted credit. This computer science course satisfies the digital learning course graduation requirement as described in Act 1280 of 2013.

COMPUTER SCIENCE LEVEL 1 with PROGRAMMING AND CODING EMPHASIS – 465010 PENDING NCAA APPROVAL

Grades 9-12 1 semester/.5 credit

Prerequisite: Successfully completed ALGBERA 1

This course provides foundation understandings of concepts in computer science that are necessary for students to function in an ever-changing technological world. Students will begin to explore, apply, and move toward mastery in skills and concepts related to Computation Thinking and Problem Solving; Data and Information; Algorithms and Programs; Computers and Communications; and Community; Global, and Ethical Impacts. Emphasis will be placed in programming/coding. Students may receive a Computer Science Flex credit for successful completion of this course. A student receiving a computer science flex credit can substitute that credit in place of the 4th math credit requirement or the 3rd science credit (except for Biology) requirement for either Smart Core or Core graduation paths.

COMPUTER SCIENCE LEVEL 2 with PROGRAMMING AND CODING EMPHASIS – 465020 PENDING NCAA APPROVAL

Grades 9-12 1 semester/.5 credit

Prerequisite: Successfully completed Computer Science Level 1

This course provides foundational understanding of concepts in computer science that are necessary for students to function in an ever-changing technology world. Students will build upon concepts learned in CS 1 to explore, apply, and move toward mastery in skills and concepts related to Computational Thinking and Problem Solving; Data and Information; Algorithms and Programs; Computers and Communications; and Community, Global and Ethical Impacts. Emphasis will be placed in programming/coding. Students may receive a Computer Science Flex credit for successful completion of this course. A student receiving a computer science flex credit can substitute that credit in place of the 4th math credit requirement or the 3rd science credit (except for Biology) requirement for either Smart Core or Core graduation paths.

Arkansas High School Course Descriptions 2017-2018

Science

The science department strongly recommends that college-bound students consider taking at least biology, chemistry and physics in their high school curriculum. Students should also consider taking at least one or two additional science courses as electives. Students are required to take a minimum of three science credits; one is Biology (required), and two from Physical Science, Chemistry, and Physics.

PHYSICAL SCIENCE – 423000 NCAA Clearinghouse Approved

Grade 9 1 year/1 credit

Prerequisite: NONE

This course will include selected topics in problem solving, standards of measurements, energy and motion, and the nature of matter (solids, liquids and gases), kinds of substances, interactions of matter (solutions, chemical reactions, acids, bases, and salts), electricity and energy resources, and waves, light, and sound. Other topics include related and applicable careers, global connections, and practical applications in a technological society.

Pre AP PHYSICAL SCIENCE – 423001 NCAA Clearinghouse Approved

Grade 9 1 year/1 credit

Prerequisite: NONE

This course is a more in-depth study of the physical science curriculum. In addition to the standard curriculum, selected areas are explored in greater depth and breadth. Particular emphasis is placed on thinking skills and problem-solving techniques. The course study will focus on chemistry and physics in a fast paced class that will cover basic concepts in both areas of science. Technology will be an added component utilized in combination with inquiry based laboratory procedures that will aid in exploring and understanding the role of energy and matter, chemical reactions, and organic compounds found in nature. Students will demonstrate an understanding of the role of energy, forces, wave and particle motion, and electricity and magnetism in physics through the lens of the scientific method and critical thinking skills. The five areas of interaction will be used in order to view ethical dilemmas that science and new technologies often bring to society in real life situations.

Pre AP BIOLOGY – 420001 NCAA Clearinghouse Approved

Grades 9-10 1 year/1 credit

Prerequisite: Successful completion of BIOLOGY and ALGEBRA 1

This course is a comprehensive course in biology that covers cell structures and function, chemistry, genetics, photosynthesis, cellular respiration, ecology, communities and populations, classification of organisms, disease, microbes, human physiology and plants. Technology will be an added component utilized in combination with inquiry based laboratory procedures that will aid in exploring and understanding the role of biology. The five areas of interaction will be used in order to view ethical dilemmas that science and new technologies often bring to society in real life situations.

BIOLOGY – 420000 NCAA Clearinghouse Approved

Grade 10 1 year/1 credit

Prerequisite: Successful completion of PHYSICAL SCIENCE

This course is the study of living things with emphasis on their similarities, differences and life processes, and how they relate to their environment. Topics include introduction of life processes, methods of science matter, energy, the chemical basis of life, cell metabolism, evolution, reproduction, development, and environmental education.

CHEMISTRY – 421000 NCAA Clearinghouse Approved

Grades 10-12 1 year/1 credit

Prerequisite: Successful completion of PHYSICAL SCIENCE, ALGEBRA 1, and concurrent enrollment or completion of ALGEBRA 2.

This course combines the core concepts of chemistry with activities that show students how they are surrounded by chemistry and how chemistry applies to their daily lives. A practical familiarity with chemicals, reactions, and techniques are developed by means of laboratory experiences.

Pre AP CHEMISTRY – 421002 NCAA Clearinghouse Approved

Grades 10-12 1 year/1 credit

Prerequisite: Successful completion of PHYSICAL SCIENCE and ALGEBRA 1, and current enrollment or completion of ALGEBRA 2.

This course includes the same basic curriculum as chemistry. In addition, selected areas are explored in greater depth and breadth. The course has an inquiry laboratory research with particular emphasis placed on the chemistry content; laboratory skills and thinking skills that will prepare students for Advanced Placement Chemistry. Students will gather information for activities that show students how they are surrounded by chemistry and how chemistry applies to their everyday lives. Strong emphasis is on critical thinking and problem-solving skills. Technology will be an important component that will aid in chemistry applications.

ENVIRONMENTAL SCIENCE – 424020 NCAA Clearinghouse Approved

Grades 11-12 1 year/1 credit

Prerequisite: NONE

Environmental science should examine the physical and biological dynamics of Earth. Students should analyze the impact of human activities on the environment. Field studies, as well as the process of collecting and analyzing data, should be an integral part of the course. Instruction and assessment should include both appropriate technology and the safe use of laboratory equipment. Students should be engaged in hands-on laboratory experiences at least 20% of the instructional time. The course DOES NOT count as a **science** graduation credit for smart core.

ADVANCED PLACEMENT BIOLOGY – 520030 NCAA Clearinghouse Approved

Grades 10-12 1 year/1 credit

Prerequisite: Teacher recommendation, successful completion of BIOLOGY, successful completion of OR currently enrolled in CHEMISTRY.

This is a second year course. It is designed to meet the needs of those college-bound students who have a special interest in biological science as a career. The course provides in-depth laboratory study and independent resource activities. For weighted credit to be awarded, students must take the AP exam in the spring. **This course does not count as the required Biology credit for graduation.**

ADVANCED PLACEMENT CHEMISTRY – 521030 NCAA Clearinghouse Approved

Grades 11-12 1 year/1 credit

Prerequisite: Successful completion of CHEMISTRY OR PAP CHEMISTRY AND ALGEBRA 2

Advanced Placement Chemistry is a second year course taken after the completion of Chemistry. This course includes topics from both organic and inorganic chemistry, and follows the Advanced Placement Chemistry description developed by the College Board. For weighted credit to be awarded, students must take the AP exam in the spring.

HUMAN ANATOMY AND PHYSIOLOGY - 424030 NCAA Clearinghouse Approved

Grades 11-12 1 year/1 credit

Prerequisite: Successful completion of BIOLOGY

This course includes an overview of the major systems and structures of the human body. A comparative approach will be used which utilizes dissections as a means for students to learn anatomy “hands on;” which is valuable to students who are interested in careers involving health sciences or kinesiology.

PHYSICS – 422000 NCAA Clearinghouse Approved

Grades 11-12 1 year/1 credit

Prerequisite: Successful completion of PHYSICAL SCIENCE, BIOLOGY, AND ALGEBRA 2

A thorough survey of general physics including topics such as vector, light and sound, electricity, magnetism, relativity, and nuclear physics. Guided individual and group lab activities will be required.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE – 523030 NCAA Clearinghouse Approved

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of BIOLOGY, ALGEBRA I, Successful Completion of OR currently enrolled in CHEMISTRY.

The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. For weighted credit to be awarded, students must take the Advanced Placement exam in the spring.

ADVANCED PLACEMENT PHYSICS I – 522080 NCAA Clearinghouse Approved

Grades 10-12 1 year/1 credit

Prerequisite: Successful completion of GEOMETRY and concurrently enrolled in Algebra 2 or an equivalent course.

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. For weighted credit to be awarded, students must take the AP exam in the spring.

ADVANCED PLACEMENT PHYSICS II – 522090 NCAA Clearinghouse Approved

Grades 11-12 1 year/1 credit

Prerequisite: It is highly recommended that students successfully complete or be concurrently enrolled in Pre-Calculus or an equivalent.

AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. For weighted credit to be awarded, students must take the AP exam in the spring.

Arkansas High School Course Descriptions 2017-2018

Social Studies

Graduation requires the following social studies credits: Civics, Economics, American History, and World History.

Pre AP CIVICS /Pre AP ECONOMICS – NCAA Clearinghouse Approved

Grades 9-12

Pre AP Civics: 1 semester/.5credit

Pre AP Economics: 1 semester/.5 credit

Prerequisite: NONE

Pre AP CIVICS is an in-depth study of American government and citizenship. The course is designed to give students a critical perspective on American politics, government and citizenship. The class explores the general concepts needed to interpret American government at the federal, state, and local levels and analyzes specific cases that have had major impact on American society. This course is taught with the conviction that students want to know not only who governs but also what difference who governs makes. Pre AP Civics will also focus on the important rights, duties, and responsibilities of being an American citizen. The goal is to prepare students to become productive, participatory citizens that make a positive difference in the American society. The students in this course will be involved in inquiry-based learning and will need to be self-motivated, self-disciplined, and organized.

Pre AP ECONOMICS is a one-semester course that emphasizes economic fundamentals, microeconomics, macroeconomics, and personal financial management. Students will explore the interrelationships among the roles played by consumers, producers, capital, land, and labor as well as the interrelationships among economic, political, and social lives. Additionally, students will examine the relationship between individual choices and the direct influence of these choices on occupational goals and future earnings potential. Economics stresses application, problem-solving, higher-order thinking skills, and use of classroom performance-based, open-ended assessments with rubrics.

CIVICS - 472000 /ECONOMICS- 474300 –NCAA Clearinghouse Approved

Grades 9-12

Civics: 1 semester/.5 credit

Economics: 1 semester/.5credit

Prerequisite: NONE

CIVICS is the study of the American government system and citizenship. This course is designed to give students an introduction to politics and government in the United States at the federal, state, and local levels. The course also explores American citizenship with its many rights, duties, and responsibilities. The purpose of this course is to give students a clear understanding of the principles of our democratic government and to motivate students to develop into responsible, participating citizens who strive to make a positive difference in the American society.

ECONOMICS is a one-semester course that emphasizes economic fundamentals, microeconomics, macroeconomics, and personal financial management. Students will explore the interrelationships among the roles played by consumers, producers, capital, land, and labor as well as the interrelationships among economic, political, and social lives. Additionally, students will examine the relationship between individual choices and the direct influence of these choices on occupational goals and future earnings potential. Economics stresses application, problem-solving, higher-order thinking skills, and use of classroom performance-based, open-ended assessments with rubrics.

WORLD HISTORY – 471000 NCAA Clearinghouse Approved

Grade 10

1 year/1 credit

Prerequisite: NONE

The purpose of this course is to develop greater understanding of the world through the study of its history – the story of its people. It emphasizes the evolution of global processes and contacts in different types of human societies from the pre-historic period to the modern time. Besides the study of factual events in chronological order, this course also provides an opportunity for students to develop various skills required in the study of humanities, such as examining primary sources, thematic approach, and interpretation of data, among others.

ADVANCED PLACEMENT WORLD HISTORY – 571020 NCAA Clearinghouse Approved

Grades 10-12 1 year/1 credit

Prerequisite: NONE

The AP World History course offers motivated students an opportunity to learn the processes that have resulted in increasing interactions among the world societies. It is a part of cooperative endeavor by high schools, colleges and the College Board to provide highly motivated students to earn college credit during their high school years. Students enrolling in this course should be aware that AP classes are taught and graded at the college level, and they significantly exceed the demands and expectations for other regular and Pre-AP courses. For weighted credit to be awarded, students must take the AP exam in the spring.

UNITED STATES HISTORY SINCE 1890 – 470000 NCAA Clearinghouse Approved

Grades 9-12 1 year/1 credit

Prerequisite: NONE

In grades 5-8, students receive a strong foundation in United States History from pre-colonialism through the Progressive Era, allowing United States History Since 1890 to focus in greater depth on the effects of changing culture, technology, world economy, and environment, as well as the impact of global conflicts on contemporary society in the United States. The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events in the United States within an interconnected world. United States History since 1890 examines the emergence of the United States as a world power to the present. Students will examine the political, economic, geographic, social, and cultural development of the United States of America from the late nineteenth century into the twenty-first century. United States History Since 1890 references the eras and time periods from The National Center for History in the Schools.

ADVANCED PLACEMENT UNITED STATES HISTORY (HIST 2013 – History of US to 1865 (Fall semester)/ HIST 2023 – History of US since 1865 (Spring semester)) – 570020 NCAA Clearinghouse Approved

Grades 11-12 1 year/1 credit

Prerequisite: NONE

AP/Concurrent Credit U.S. History is a challenging course that is meant to be the equivalent of a freshman college course and can earn students college credit. It is a two (2) semester survey of American History from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography. A short research paper linking American literature and history is required. A comprehensive college textbook is used for this course. For weighted credit to be awarded, students must take the AP exam in the spring and be enrolled in the course for the entire year. ***Concurrent Credit (high school AND college credit) is available to students who have met admission, registration, and grade requirements for HIST 2013 & HIST 2023.**

PSYCHOLOGY – 474400 NCAA Clearinghouse Approved

Grades 9-12 1 semester/.5credit

Prerequisite: NONE

Psychology is a social studies elective course that introduces students to the science of behavior and mental processes. It includes an overview of the history of psychology as well as an opportunity to study individual and social psychology and how the knowledge and methods of psychologists are applied to the solution of human problems. The content of this course includes human development; biological bases of behavior; sensation and perception; learning, memory, and cognition; behavior patterns; and psychological disorders and their treatments.

SOCIOLOGY – 474500 NCAA Clearinghouse Approved

Grades 9-12 1 semester/.5 credit

Prerequisite: NONE

Sociology is a one-semester social studies elective course, which introduces students to the social systems that are the foundation of society. An emphasis is placed on culture, social status, social institutions, and social problems, as well as resulting behaviors. Using the tools and techniques of sociologists, students will examine the causes, consequences, and possible solutions for various social issues. Students will read major sociological theorists as well as consider how sociologists approach issues.

ADVANCED PLACEMENT EUROPEAN HISTORY with WE.org Service – 579170 NCAA Clearinghouse Approved

Grades 11-12 1 year/1 credit

Prerequisite: NONE

AP European History course is a college-level survey course that introduces students to the rich political, cultural, social, and intellectual heritage of Europe. The major objectives of this course are to develop an understanding of the principal themes, an ability to analyze historical interpretation, and an ability to express historical understanding in writing. It is a part of cooperative endeavor by high school, college, and the College Board to provide highly motivated students the opportunity to earn college credit during their high school years. The course is designed to prepare students for the College Board AP Test. For weighted credit to be awarded, students must take the AP exam in the spring and be enrolled in the course for the entire year. **THIS COURSE DOES NOT COUNT AS A SUBSTITUTE FOR WORLD HISTORY.**

By combining the academic challenge and rigor of Advanced Placement with **WE.org's** education and citizenship model, AP with WE.org Service creates an opportunity for students to consider their classroom work and how it applies to the real world, while working closely with their peers to address social issues.

In order for student to earn the service-learning recognition for this course, the AP teacher will plan for a minimum of 10 hours of in-class instructions related to service learning. Each student must engage in a minimum of 20 hours of service, not counting the “Record and Reflect” and “Report and Celebrate” stages of the modules. Students must also sign a release from students or parents/guardians, as applicable, to permit participating teachers to collect and share student work with the College Board for the AP course.

Students must also earn a 2 on a 3-point scale of all rubric categories within the following stages and evaluations criteria:

- **Investigate and Learn:** Students explore topics related to a real-world challenge or opportunity.
- **Action Plan:** Students develop a plan to implement their service-learning project, including one local or national action and one global action.
- **Educate Others:** Students design and implement an activity to raise awareness about their service-learning topic.
- **Take Action:** Students implement their action plan.
- **Record and Reflect:** Students create a portfolio to record data and their reflections about their project.
- **Report and Celebrate:** Students present the results of their service-learning project.

A student who completes an AP course with its WE.org Service component will earn a recognition that will appear on any AP score report that he or she sends to colleges and universities. High schools will also indicate on students' transcripts that they have completed an AP course with a service-learning component.

ADE ENHANCED AP UNITED STATES GOVERNMENT AND POLITICS – 572040 NCAA Clearinghouse Approved

Grades 10-12 1 year/1 credit

Prerequisite: NONE

The Arkansas Department of Education (ADE) Enhanced Advanced Placement (AP) United States Government and Politics course follows a curriculum based on the College Board's AP United States Government and Politics course description and additionally contains all the content standards and student learning expectations of the Arkansas Department of Education (ADE) Civics course. This course will give students an analytical perspective on government and politics in the United States.

ADE Enhanced AP United States Government and Politics includes both the study of general concepts used to interpret United States politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes as they study the following units: constitutional underpinnings of United States government, political beliefs and behaviors, political parties, interest groups, and mass media, institutions of national government, public policy, civil rights and civil liberties, and state and local politics. The course is intended to provide the scope and academic challenge expected at the college level. It prepares students to take the AP United States Government and Politics exam. This course stresses critical thinking and applications, textbooks, projects, and the use of performance-based/open-ended assessments with rubrics. Students who successfully complete the ADE Enhanced AP United States Government and Politics course will also receive academic credit for Civics in meeting the state of Arkansas graduation requirements.

ADVANCED PLACEMENT HUMAN GEOGRAPHY – 579080 NCAA Clearinghouse Approved

Grades 9-12 1 year/1 credit

Prerequisite: NONE

The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students will employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Students will be prepared to take the College Board AP Test in Human Geography and may receive college credit if scores meet individual college requirement. For weighted credit to be awarded, students must take the AP exam in the spring and be enrolled in the course for the entire year.

ADVANCED PLACEMENT PSYCHOLOGY – 579120 NCAA Clearinghouse Approved

Grades 9-12 1 year/ 1credit

Prerequisite: NONE

The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students will be prepared to take the College Board AP Test in Psychology and may receive college credit if scores meet individual college requirements. For weighted credit to be awarded, students must take the AP Exam in the spring and be enrolled in the course for the entire year.

AFRICAN AMERICAN HISTORY – 474700 NCAA Clearinghouse Approved

Grades 11-12 1 semester/.5 credit

Prerequisite: NONE

AFRICAN AMERICAN HISTORY examines the contributions African Americans have made to the history of the United States. This course is designed to assist students in understanding issues and events from multiple perspectives. This course develops an understanding of the historical roots of African American culture, especially as it pertains to social, economic, and political interactions within the broader context of United States history. It requires an analysis of important ideas, social and cultural values, beliefs, and traditions. Knowledge of past achievements provides citizens of the 21st century with a broader context within which to address the many issues facing the United States.

Arkansas High School Course Descriptions 2017-2018

Fine Arts

INSTRUMENTAL MUSIC COURSE DESCRIPTIONS: To enroll in any instrumental music course as described below, the director must be consulted first. The band performs at football games, contests, parades, concerts, etc. Participation and quality of marching and playing are stressed. **Attendance at all performances and after school rehearsals is required.**

Band is a two-semester course designed for traditional and emerging ensembles. Band students will demonstrate an ability to apply music fundamentals and instrumental techniques in the production, performance, analysis, and critique of instrumental music performance. Students are expected to apply sight-reading skills, improvisational skills, and performance techniques in solo, small group, and large group settings. Student will critique music performances and deeply reflect upon the impact of instrumental music on society as well as societal influences on instrumental music. Students will regularly perform in a variety of settings and will demonstrate successful completion of student learning expectations. Band I, Band II, Band III, or Band IV will satisfy the one-half credit fine arts requirement for graduation. The Band performs at football games, contest, parades, concerts, etc. Participation and quality of marching and playing are stressed. ATTENDANCE AT ALL PERFORMANCES AND AFTER SCHOOL REHEARSALS IS REQUIRED. ALL STUDENTS MUST ADHERE TO THE BAND HANDBOOK.

BAND I - 451000

Grades 9-12 1 year/1 credit

Prerequisite: NONE

BAND II - 451040

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of BAND I and/or instructor's approval through audition.

BAND III - 451050

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of BAND II and/or instructor's approval through audition.

BAND IV - 451060

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of BAND III and/or instructor's approval through audition.

ORCHESTRA I-IV is two-semester courses designed for traditional and emerging ensembles performing on orchestral stringed instruments. Orchestra I-IV students will demonstrate an ability to apply music fundamentals and instrumental techniques in the production, performance, analysis, and critique of instrumental music performance. Students are expected to apply sight-reading skills, improvisational skills, and performance techniques in solo, small group, and large group settings. Orchestra I-IV will critique music performances and deeply reflect upon the impact of instrumental music on society as well as societal influences on instrumental music. Students will perform regularly in a variety of settings and will demonstrate successful completion of student learning expectations. Orchestra I, II, III, or IV will satisfy the one-half credit fine arts requirement for graduation. Performance participation is required and is a major component of the course grade. Any damage sustained or repair needed to the school's instruments during the year will be charged to the student.

ORCHESTRA I - 451100

Grades 9-12 1 year/1 credit

Prerequisite: NONE

ORCHESTRA II - 451110

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of ORCHESTRA I and/or Instructor approval through audition

ORCHESTRA III - 451120

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of ORCHESTRA II and/or Instructor approval through audition

ORCHESTRA IV - 451130

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion ORCHESTRA III and/or Instructor approval through audition

JAZZ BAND I-IV is two semester courses designed for traditional and emerging ensembles. Jazz Band I-IV students will demonstrate an ability to apply music fundamentals and instrumental techniques in the production, performance, analysis, and critique of jazz music performance. Students are expected to apply sight-reading skills, improvisational skills, and performance techniques in solo, small group, and large group settings. Jazz Band I-IV students will critique music performances and deeply reflect upon the impact of jazz music on society as well as societal influences on jazz music. Students will regularly perform in a variety of settings and will demonstrate successful completion of student learning expectations. Jazz band I, II, III, or IV will satisfy the one-half credit fine arts requirement for graduation. **All jazz band students, expect piano and guitar, must also enroll in band I-IV.**

JAZZ BAND I – 451200

Grades 9-12 1 year/1 credit

Prerequisite: NONE

JAZZ BAND II - 451210

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of JAZZ BAND I and/or instructor's approval through audition

JAZZ BAND III - 451220

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of JAZZ BAND II and/or instructor's approval through audition

JAZZ BAND IV - 451230

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of JAZZ BAND III and/or instructor's approval through audition

ADVANCED PLACEMENT MUSIC THEORY – 559010

Grades 11-12 1 year/1 credit

Prerequisite: Currently enrolled in CHOIR, STRINGS, BAND, JAZZ BAND, or Instructor approval

The ultimate goal of the AP Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The achievement of these goals may best be approached by initially addressing fundamental aural, analytical and compositional skills using both listening and written exercises. Building on this foundation, the course will progress to include more creative tasks, such as the harmonization of a melody by selecting appropriate chords, composing a musical base line to provide two-voice counterpoint, or the realization of figured-based notation. For weighted credit to be awarded, students must take the AP Exam in the spring and complete the entire year of the course.

VOCAL MUSIC I-IV is two semester courses designed for traditional and emerging ensembles. Vocal music students will demonstrate an ability to apply music fundamentals and vocal techniques in the production, performance, analysis, and critique of vocal music performance. Students are expected to apply sight-reading skills, improvisational skills, and performance techniques in solo, small group, and large group settings. Vocal music students will critique vocal music performances and deeply reflect upon the impact of vocal music on society as well as societal influences on vocal music. Students will regularly perform vocally in a variety of settings and will demonstrate successful completion of vocal music student learning expectations. Vocal Music I will satisfy the one-half credit fine arts requirement for graduation. Performance participation is required and is a major component of the course guide. Performance outfits (except shoes) and materials are furnished by the school district. Any damage sustained or repair needed to the uniform during the school year will be charged to the student. Non-payment of these fees will be handled under the same collection and/or guidelines as other fines assessed by Arkansas High School. Seasonal music will be learned.

VOCAL MUSIC I - 452000

Grades 9-12 1 year/ 1credit

Prerequisite: NONE

VOCAL MUSIC II - 452040

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of VOCAL MUSIC I and/or instructor's approval through audition

VOCAL MUSIC III - 452050

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of VOCAL MUSIC I and II, and/or instructor's approval through audition

VOCAL MUSIC IV - 452060

Grades 9-12 1 year/1 credit

Prerequisite: Successful completion of VOCAL MUSIC I, II and III and/or instructor's approval through audition.

VISUAL ART I-IV is two semester courses designed to teach students to apply the elements of art and the principles of design. Students are expected to use a variety of media, techniques, processes, and tools to create original artwork that demonstrates understanding of aesthetic concerns and complex compositions. These basic concepts are introduced at the Visual Art I level. As students' progress through each course, they will develop, expand, and increase their real life application of problem solving through artistic maturation. Students will create, critique, reflect, and make connections to art. Students will exhibit original artwork and develop portfolios that reflect their personal growth. Visual Art I will satisfy the one-half credit fine arts requirement for graduation. The student will purchase art materials. The minimum for Visual Art I is \$40. The minimum for Visual Art II-IV is \$60 per course.

VISUAL ART I - 450000

Grades 9-12 1 year/1 credit

Prerequisite: NONE

VISUAL ART II - 450030

Grades 10-12 1 year/1 credit

Prerequisite: Successful completion of Art I

VISUAL ART III - 450040

Grades 10-12 1 year/1 credit

Prerequisite: Successful completion of Art I & Art II, or currently enrolled in ART II

VISUAL ART IV - 450050

Grades 11-12 1 year/1 credit

Prerequisite: Successful completion of ART III or currently enrolled in Art III

ART HISTORY (Prehistoric to Renaissance) – 450060

Grades 9-12 1 semester/.5 credit

Prerequisite: NONE

ART HISTORY (Prehistoric to Renaissance) is a one-semester course designed to teach students the significance of art throughout history. Students in Art History (Prehistoric to Renaissance) will examine periods of art history from around the world, with emphasis on art from ancient civilizations, classic civilizations, the Middle Ages, and the Early and High Renaissance. Students will examine characteristics of art including themes, artists, major works of art, media, and processes involved in creating works of art that is unique to each period of art; explore societal influences on art from each period and the impact art from each period has had on society; apply basic terminology and higher-order thinking skills and draw inferences from works of art and artists from each period of art history. Art History (Prehistoric to Renaissance) will satisfy the one-half credit fine arts requirement for graduation.

ADVANCED PLACEMENT ART HISTORY – 559030

Grades 9-12 1 year/1 credit

Prerequisite: NONE

The AP ART HISTORY course is equivalent to a two-semester introductory college course that explores topics such as the nature of art, art making, and responses to art. By investigating a specific image set of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the course fosters in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art work, engaging with its forms and content, as the experience, research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. Students who are enrolled for the full year and take the AP exam qualify for weighted credit.

ADVANCED PLACEMENT STUDIO ART 2D / PHOTOGRAPHY - 559050

Grades 10- 12 1 year/1 credit

Prerequisite: Successful completion of VISUAL ART 1 or instructor approval

This course is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The 2D portfolio is intended to address two-dimensional design issues. Design involves purposeful decision making about how to use the elements and principles of art in an integrative way. Students are asked to demonstrate understanding of 2-D design through photography in this course. Art materials must be purchased: minimum \$60. A camera is not required, but highly suggested. It will be difficult to submit a quality portfolio without having access to a camera. Students must submit a completed portfolio to the College Board Advanced Placement program, and complete the course for the entire year in order to receive weighted credit for the course.

CERAMICS I – 450500

Grades 9-12 1 year/1 credit

Prerequisite: NONE

Ceramics I is two semester courses designed to teach students to apply the elements of art and the principles of design. Students are expected to use a variety of media, techniques, processes, and tools to create original artwork that demonstrates understanding of aesthetic concerns and complex compositions. These basic concepts are introduced in the course. Students will create critique, reflect, and make connections to art. Students will exhibit original artwork and develop portfolios that reflect their personal growth. Ceramics I will satisfy the one-half credit fine arts required for graduation.

CERAMICS II – 450510

Grades 10-12 1 year/1 credit

Prerequisite: CERAMICS I

Ceramics II is a two-semester courses designed to teach students to apply the elements of art and the principles of design. Students are expected to use a variety of media, techniques, processes, and tools to create original artwork that demonstrates understanding of aesthetic concerns and complex compositions. These basic concepts are introduced at the ceramics I level. As students progress through the course, they will develop, expand, and increase their real like application of problem solving through artistic maturation. Students will create critique, reflect, and make connections to art. Students will exhibit original artwork and develop portfolios that reflect their personal growth.

ADVANCED PLACEMENT STUDIO ART 3D/SCULPTURE – 559060

Grades 10-12 1 year/1 credit

Prerequisite: Successful completion of VISUAL ART 1 or instructor approval

The course is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The 3D portfolio is intended to address sculptural issues. Design involves purposeful decision making about using the elements and principles of art in an integrative way. Students are asked to demonstrate their understanding of design principles as they relate to the integration of depth and space, volume and surface. The principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, and occupied/unoccupied space) can be articulated through the visual elements (mass, volume, color, /light, form, plane, line, texture). Students are asked to demonstrate their knowledge through any three-dimensional approach, including but not limited to, figurative or nonfigurative sculpture, architectural models, metal work, ceramics, glass work, installation, performance, assemblage and 30D fabric/fiber arts. There is no preferred (or unacceptable) style or content. Students who complete the full year of this course and submit a 3-D portfolio to the Advanced Placement Program, qualify for weighted credit in this course. Students shall purchase supplies: minimum \$60.

ADVANCED PLACEMENT STUDIO ART DRAWING – 559040

Grades 9-12 1 year/1 credit

Prerequisite: Prior experience in art is highly recommended for student success.

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. Students submit portfolios for evaluation at the end of the school year. AP Studio Art students create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions. Students are required to submit a portfolio to the College Board in the spring semester in order to receive weighted credit.

PHOTOGRAPHY – 559070

Grades 10-12 1 year/1 credit

Prerequisite: Successful completion of Visual Art I or instructor approval

This course will help students become well rounded in the fundamentals of digital photography. Four areas of instruction will be emphasized: How cameras work, how composition works, how lighting works, how to use photo editing software. Students will generally receive basic instruction, demonstration, and see samples of the desired outcomes. To successfully complete this course you will need:

- Access to a digital camera is not required, but would be very beneficial! (Both Compact Digital cameras or SLR Digital cameras are acceptable).
- There will be a supply fee of \$55 that will be needed to purchase SD cards, a USB flash drive and a few other items. Specifics on supplies will be given the first day of school.

At the end of this course you will:

- Know how to use various features of the camera to have creative control of your photographs.
- Be able to decide what type of lighting to use in a given situation to produce optimum results.
- See how photographic composition can make or break a photograph
- Understand how to use photo editing software to improve the overall appearance of images.

THEATRE APPRECIATION – 453130

Grades 9-12 1 semester/.5 credit

Prerequisite: NONE

THEATRE APPRECIATION is a one-semester course in which students will develop fundamental theatre skills through academic study. Students will develop an understanding of basic theatre skills and the history of the theatre, analyze and evaluate artistic work, and discover connections between theatrical works and societal, cultural, and historical contexts. The Standards for Accreditation require schools to offer a one-half unit of survey of fine arts OR one-half unit of advanced art or advanced music. Theatre Appreciation may be used to fulfill this requirement. Theatre Appreciation also fulfills the one-half unit of fine arts required for graduation.

THEATRE I is a two-semester course in which students learn and demonstrate mastery of theatre academic and performance skills. THEATRE II and III are two-semester courses which expand the knowledge and performance base of THEATRE I. At the THEATRE I level, students will explore theatre fundamentals, analyze and interpret scripts, evaluate artistic work, and use those evaluations to deepen the meaning of their work. In THEATRE II and III students will focus on the practical application of skills developed in THEATRE I. Students will take on more complex projects and may begin to develop directorial skills. Ultimately, students will make artistic decisions using multiple forms of inspiration, particularly focusing on social, cultural, and historical context. THEATRE I contains an introduction to stagecraft skills. THEATRE II and III do not develop these stagecraft skills, but the teacher may choose to draw student learning expectations from the Stagecraft I-III Curriculum Framework. THEATRE I will fulfill the one-half credit fine arts required for graduation. STUDENTS NOT PERFORMING IN A THEATRE PERFORMANCE BY ARKANSAS HIGH SCHOOL MUST STILL BE IN ATTENDANCE TO VIEW AND/OR ASSIST WITH THE PERFORMANCE BACKSTAGE.

THEATRE PERFORMANCE I – 459100

Grades 9-12 1 year/1 credit

Prerequisite: NONE

This course will also count as the graduation requirement of Oral Communications. PENDING ADE APPROVAL

THEATRE PERFORMANCE II – 459110

Grades 10-12 1 year/ 1credit

Prerequisite: Successful completion of THEATRE PERFORMANCE I

THEATRE PERFORMANCE III – 459120

Grades 11-12 1 year/1 credit

Prerequisite: Successful completion of THEATRE PERFORMANCE I and THEATRE PERFORMANCE II

THEATRE PERFORMANCE IV – 559114

Grades 12 1 year/1credit

Prerequisite: Successful completion of THEATRE PERFORMANCE III

STAGECRAFT I is a two-semester course which provides students with both exposure to and experience in all elements of technical theatre, including scenery, props, lighting, sound, costume, and makeup. The four strands emphasize creating, performing/presenting, responding and connecting. In Creating, students generate ideas and original tangible works. In Performing and presenting, students perform tasks associated with technical theatre and present their work to others. Through Responding, students examine works already created by themselves, their peers, or others to analyze the artistic merit and refine work. Through Connecting, students discover connections, between theatrical works and historical, societal, and cultural context. Stagecraft I contains foundational elements of theatre that are not developed in Stagecraft II and III, but the teacher may choose to draw student learning expectations from the Drama II-III curriculum framework. Stagecraft II is a two-semester course which allows students to advance their skills in all elements of technical theatre through practical experience, with new instruction design. Stagecraft III is a two-semester course which allows students to deepen their understanding and advance their skills in specialized elements of technical theatre, which could include scenery, props, lighting, sound, costume, and/or makeup. Stagecraft I will fulfill the one-half unit of fine arts credit required for graduation. **STUDENTS NOT PERFORMING IN A THEATRE PERFORMANCE BY ARKANSAS HIGH SCHOOL MUST STILL BE IN ATTENDANCE TO VIEW AND/OR ASSIST WITH THE PERFORMANCE BACKSTAGE.**

STAGECRAFT I – 459200

Grades 9-12 1 year/1 credit
Prerequisite: None

STAGECRAFT II – 459210

Grades 9-12 1 year/1 credit
Prerequisite: Successful completion of STAGECRAFT I

STAGECRAFT III – 459220

Grades 9-12 1 year/1 credit
Prerequisite: Successful completion of STAGECRAFT II

Arkansas High School Course Descriptions 2017-2018

Physical Education/Health/Athletics

PERSONAL FITNESS FOR LIFE - 485010

Grades 9-12 1 semester/.5 credit (fall or spring)

Prerequisite: NONE

PERSONAL FITNESS FOR LIFE is a one-semester course that includes a planned curriculum that provides content and learning experiences in motor skills and movement concepts as they apply to physical activity, health-related physical fitness, and lifetime sports and recreation. This course encompasses the Personal Fitness for Life Content Standards defined by the Arkansas Physical Education and Health Curriculum Framework. This course is a prerequisite for Recreational Sports and Activities.

PHYSICAL EDUCATION & LEISURE - 485000

Grades 9-12 1 year/1 credit

Prerequisite: NONE

PHYSICAL EDUCATION & LEISURE is a two-semester course that includes a planned curriculum which provides content and learning experiences in basic motor skills, movement patterns, and movement concepts as they apply to physical activity and health-related physical fitness, as well as lifetime sports and recreation. This course encompasses the Physical Education and Leisure Content Standards defined by the Arkansas Physical Education and Health Curriculum Framework.

HEALTH/CPR & AED - 480000

Grades 9-12 1 semester/.5 credit (fall or spring)

Prerequisite: NONE

HEALTH AND WELLNESS is a one-semester course that should provide content and learning experiences in nutrition, disease, prevention, human growth and development, healthy life skills, personal health and safety, community health and promotion, decision-making skills, interpersonal communication skills, and information regarding the use and abuse of medications, alcohol, tobacco, and other drugs. Students will be trained and participate in the psychomotor skills needed to perform hand-only cardiopulmonary resuscitation (CPR) and the use of an automated external defibrillator (AED) as required for graduation. The course content should focus on personal health and wellness and the practice of health-enhancing behaviors to avoid or reduce health risks. This course encompasses the Health and Wellness Content Standards defined by the Arkansas Physical Education and Health Curriculum Framework.

The Athletic Department curriculum is designed to give students the confidence and motivation to improve and maintain an active and healthy mind, body, and lifestyle; to pursue the challenges of new physical activities throughout their lives.

SPORTS

- Baseball – Male
- Basketball – Female / Male
- Cheerleading
- Cross Country
- Redline
- Football – Off Season
- Golf
- Gymnastics
- Soccer – Female / Male
- Softball - Female
- Tennis – Female / Male
- Track – Female / Male
- Bowling – Female / Male

PERSONAL FITNESS 9 - 485019/RECREATIONAL SPORT ACTIVITY - 485029

Grade 9 only 1 year/1 credit

Prerequisite: Written coaches' approval, tryout, meet eligibility requirements set by the Arkansas Activities Association (AAA).

The knowledge and skills the students learn in this course will be used by demonstrating them during competitions in a variety of sports and activities. The curriculum is designed to help the students acquire the knowledge and skills for movement that provide the foundation for enjoyment and continued social development through physical activity, and access to a physically active lifestyle. This course will motivate students to strive for a lifetime of personal fitness with an emphasis on the health-related components of physical fitness

STRENGTH & CONDITIONING – 585010

Grade 10 1 year/1 credit

Prerequisite: PE & RECREATIONAL SPORTS AND INSTRUCTOR APPROVAL, tryout, physical, meet eligibility requirements set by the Arkansas Activities Association (AAA).

This course is designed for learning and practicing healthy lifestyles utilizing strength and conditioning. Students will gain knowledge of rep-out, pyramid, circuit training programs, exercises that target specific muscle groups, nutrition and preventative care. Students will be required to participate physically in the exercises, create personal fitness plans, and must learn the muscle groups associated with each exercise.

FITNESS & WEIGHT CONTROL – PENDING ADE APPROVAL

Grade 11 1 year/1 credit

Prerequisite: STRENGTH & CONDITIONING and written coaches' approval, tryout, physical, meet eligibility requirements set by the Arkansas Activities Association (AAA).

This course is a cardiovascular conditional program designed to improve muscle tone and maintain a healthy weight. Activities include weight training, running, walking, yoga, Pilates, and cardio kickboxing. Food and/or food products which are desirable for healthy dietary habits will be examined. Students will research nutritional choices, stress, various diets, and weight loss programs.

FOOTBALL, BASKETBALL, TRACK - 999810

Grade 12 1 year/1 credit

Prerequisite: Written coaches' approval, tryout, physical, meet eligibility requirements set by the Arkansas Activities Association (AAA).

The knowledge and skills the students learn in this course will be used by demonstrating them during competitions in a variety of sports and activities. This is a highly competitive class in which the student is provided the opportunities to make appropriate choices in their pursuit of positive, enjoyable, and life-long recreational and fitness activities. **This course will be a free elective credit, but this credit will not be one of the 22 credits mandated by the Arkansas Department of Education.**

OTHER ATHLETICS - 999820

Grade 12 1 year/1 credit

Prerequisite: Written coaches' approval, tryout, physical, meet eligibility requirements set by the Arkansas Activities Association (AAA).

The knowledge and skills the students learn in this course will be used by demonstrating them during competitions in a variety of sports and activities. This is a highly competitive class in which the student is provided the opportunities to make appropriate choices in their pursuit of positive, enjoyable, and life-long recreational and fitness activities. **This course will be a free elective credit, but this credit will not be one of the 22 credits mandated by the Arkansas Department of Education.**

CHEER & REDLINE 9-485019 & 485029

Grade 9 1 year/1 credit

Prerequisite: A judged tryout, physical, meet eligibility requirements set by the Arkansas Activities Association (AAA).

The knowledge and skills the students learn in this course will be used by demonstrating them during competitions, practice, and performances. This is a highly competitive class in which the student is provided the opportunities to make choices in their pursuit of positive, enjoyable and life-long recreational and fitness activities. Students will acquire knowledge and skills for movement that provide the foundation for enjoyment and continued social development through physical activity, and access to a physically active lifestyle. This course will count toward the half credit (.5) physical education requirement for graduation.

CHEER & REDLINE Year 2- 459200

Grade 10 1 year/1 credit

Prerequisite: A judged tryout, physical, and meet eligibility requirements set by the Arkansas Activities Association (AAA).

Students will demonstrate an ability to apply dance fundamentals and dance techniques in the production, performance, analysis, and critique of dance performance. Students are expected to perform in solo, small group, and large group settings. Students will critique performances and deeply reflect upon the impact of dance on cultural as well as cultural influences on dance. REDLINE Year 2 counts as a fine arts or career focus credit requirement for graduation.

CHEER & REDLINE Year 3- 459210

Grade 11 1 year/1 credit

Prerequisite: A judged tryout, physical and meet eligibility requirements set by the Arkansas Activities Association (AAA).

Students will deepen and advance their skills and dance techniques in the production, performance, analysis, and critique of dance performance. Students are expected to perform in solo, small group, and large group settings. Students will critique performances and deeply reflect upon the impact of dance on culture as well as cultural influences on dance. REDLINE Year 3 counts as a fine arts or career focus credit requirement for graduation.

CHEER & REDLINE Year 4- 459220

Grade 12 1 year/1 credit

Prerequisite: A judged tryout, physical, and meet eligibility requirements set by the Arkansas Activities Association (AAA).

Students will advance their skills and dance techniques in the production, performance, analysis, and critique of dance performance. Students are expected to perform in solo, small group, and large group settings. Students will critique performance and deeply reflect upon the impact of dance on culture as well as cultural influences on dance. REDLINE Year 4 counts as a fine arts or career focus credit requirement for graduation.

Computer Applications (EAST)

EAST I – ENVIRONMENTAL AND SPATIAL TECHNOLOGY – 560010

Grades 9-12 1 year/1 credit

Prerequisite: NONE

Students in EAST I will learn how to make and present Microsoft Power Point presentations. Students will learn business email etiquette and how to use the EAST student list serve. Using project based learning, students will explore the technology available in the EAST: (CAD) – computer aided design, (GIS/GPS) – global positioning systems, surveying and mapping, 3-D modeling, architectural design, animation, digital photo and video (shooting and editing), desk-top publishing, programming, network design (Windows 200 or Linux), system administration, computer maintenance, etc. Students are expected to learn how to construct their own learning using resources traditionally found in the business environment such as user guides to software applications, software support services, tutorials (in class and on-line), and peer-to-peer consulting. A cooperative learning environment is created so students will gain better understanding of what will be expected of them in the business world. EAST counts as Workplace Readiness. A series of lessons teach the skills and attributes to succeed in the changing workplace. Problem solving, teamwork, and self-management are emphasized.

EAST II – ENVIRONMENTAL AND SPATIAL TECHNOLOGY – 560020

Grades 9-12 1 year/ 1 credit

Prerequisite: Successful completion of EAST I

EAST II is a continuation of EAST I, having a greater focus on learning selected programs in depth and working in teams on service projects.

EAST III – ENVIRONMENTAL AND SPATIAL TECHNOLOGY – 560030

Grades 9-12 1 year/ 1 credit

Prerequisite: Successful completion of EAST II

EAST III is a continuation of the EAST methodology. The focus of EAST III shifts to peer group leadership and service projects.

EAST IV – ENVIRONMENTAL AND SPATIAL TECHNOLOGY – 560040

Grades 9-12 1 year/ 1 credit

Prerequisite: Successful completion of EAST III

EAST IV is a continuation of EAST methodology with an added emphasis on mentoring and the archiving of projects for the continued success of the program.

TEXARKANA ARKANSAS



Career & Technological Center
Learn Today, Earn Tomorrow

**TEXARKANA ARKANSAS CAREER & TECHNOLOGICAL CENTER
LOCATED AT 1200 JEFFERSON AVENUE
ARKANSAS HIGH SCHOOL
TEXARKANA, ARKANSAS
2017-2018**

CAREER AND TECHNICAL EDUCATION COURSES

The Texarkana Arkansas Career & Technological Center career and technical education courses teach students to be productive and adapt to a rapidly changing workplace by the teaching of many transitional and employability skills.

All courses are designed to provide students with the skills and educational experiences that will prepare them to be college and career ready. We encourage students to reach their highest potential as confident and independent learners.

THE TEXARKANA ARKANSAS CAREER & TECHNOLOGICAL CENTER OFFERS CONCURRENT CREDIT THROUGH SOUTHERN ARKANSAS UNIVERSITY TECH, TEXARKANA COLLEGE, and UNIVERSITY OF ARKANSAS – TEXARKANA IN THE FOLLOWING COURSES:

Aviation Maintenance

Culinary Arts

Criminal Justice

Industrial Equipment Maintenance

Medical Professions

Welding

CAREER EXPLORATION AND PREPARATION

CAREER READY 101 Online – 493910

Grades 9-12 1 semester/.5 credit

This is a course offered totally online for high school students in grades 9-12. This course is .5 credits and can be used as an elective toward completer status in **any** of the career and technical programs of study. The curriculum for this course is the same as Career Readiness (493900) with the addition of the WorkKeys skills of reading for information, locating information, and applied mathematics from College and Career Readiness (493880).

Students who enroll in Career and Technical Education courses should strive to become a **Completer in a Program of study**. A **completer** is a student who completes a minimum of 3 units of credit, including the core required courses, in a CTE program of study and graduates from high school.

Programs of Study consist of the following:

JROTC Agribusiness Systems Animal Science Entrepreneurship Pre-Engineering
Administrative Services Family & Consumer Sciences Health Science Technology Education Marketing Technology

The classes listed for each program of study in the checklist are REQUIRED classes for a student to become a completer. If an elective is allowed, the courses that apply are listed.

AEROSPACE SCIENCE (JROTC)

Aerospace Science introduces the interested or curious student to one of the most innovative campus opportunities. Cadets represent the best of Arkansas High School to the Greater Texarkana Area through patriotic flag ceremonies and other supportive events such as Race for the Cure, the Veterans Day Parade, the Christmas Parade and other unique opportunities to serve the school and community. The Spirit Team raises the **Hog** for our home football games. Color Guard Teams present the flag at each pep rally. Each year, we take a day to celebrate fitness with Cadet Challenge Day. In addition to classroom activities, cadets build and fly kites, assemble rockets, fly RC and paper airplanes and other hands-on activities. Each year cadets can plan and attend their Military Ball and their Combat Ball. The Thunderhog Group is managed by a cadet leadership team and guided by the military instructors. **There is a mandatory uniform component and grooming standards that must be adhered to for enrollment.**

AIR FORCE JROTC I –495760 (HEALTH/CPR&AED - 480950 / JROTC PHYSICAL EDUCATION – 485950)

Aerospace Science 100: A Journey into Aviation History: Leadership Education 100; Health and Wellness

Grades 9-12 JROTC HEALTH: 1 semester/.5credit; JROTC PHYSICAL EDUCATION: 1 semester/.5credit

Prerequisite: NONE

AFJROTC I introduces all new cadets to **Thunderhog Life**. The course consists of three components: Aerospace Science (40%), Leadership Education (40%), and Wellness/Physical Fitness (20%). The Aerospace Science I portion is an aviation history course focusing on the development of flight throughout the centuries. The emphasis is on civilian and military contributions to aviation. Cadets explore the development, modernization and transformation of the Air Force and are exposed to a brief history of astronomy and space exploration. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. **Leadership Education I** inspires the student to experience the Air Force Junior Reserve Officer Training Corps (AFJROTC) program. It instills elements of good citizenship by developing informed citizens, strengthening and molding character, sharpening study habits and modeling time management. A strong identity with the Air Force is established through the wearing of the uniform. Cadets reflect, through uniform wear days, the Air Force customs, courtesies that make the Razorback JROTC Program unique. Cadets will be taught the fundamentals of Drill and Ceremonies that help them build teamwork skills. This portion of the course concentrates on the elements of military drill, and describes how individual precision movements affect others. The cadets practice procedures for saluting (a military high five or greeting), drill ceremonies, reviews, parades, and development of the command voice. **The Wellness/Physical Fitness** portion involves **play with a purpose every Friday**. Active play defines the Cadet Health and Wellness Program (CHWP). The CHWP is an active lifestyle program focused upon individual baseline improvements with the goal of achieving the **Presidential Physical Fitness** model calculated to gender and age synchronized standards. The goal of the CHWP is to motivate JROTC cadets to lead active, healthy lifestyles into their adult lives. Students will be trained and participate in the psychomotor skills needed to perform hands-only cardiopulmonary resuscitation (CPR) and the use of an automated external defibrillator (AED) as required for graduation. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education I. **The cadet completing the year may apply one semester to count for the ½ credit of PE and ½ credit of Health.**

AIR FORCE JROTC II – 495770

Aerospace Science 200: The Science of Flight and Leadership Education 200: Communication, Awareness and Leadership: Health and Wellness

Grades 10-12 1 year/1 credit

Prerequisite: AEROSPACE I is desired but not required.

The AFJROTC II course consists of three interesting activities: Aerospace Science (How to fly an airplane) 40%, Leadership Education (Clearly communicating to others) 40%, and Wellness/Physical Fitness (Play on Purpose Fridays) 20%. **Aerospace Science II** is an introductory course that focuses on how to fly and airplane, how to understand weather conditions that affect flight (and you where you live), flight and the human body, and how to navigate from one airport to another. The course is designed to complement materials taught in math, physics, and other science related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. **Leadership Education II** builds on your communication experiences communicating effectively understanding how groups and teams communicate, preparing for leadership, solving conflicts and problems, and personal development. Cadets learn how to easily communicate through the use of the project based strategies. Cadets are provided fundamental and in-depth instruction in Air Force drill and ceremonies. Drill helps students develop teamwork skills for the work beyond high school. Cadets will become proficient at accomplishing over 30 precise movements and positions in basic drill. They will learn precise military movements prior to a parade. Most of the work is to be hands-on. The **Wellness/Physical Fitness** portion will incorporate the Cadet Health and Wellness Program (CHWP). The CHWP is an exercise program focused upon individual baseline improvements with the goal of achieving a Presidential Physical Fitness standard calculated with age and gender. The goal of the CHWP is to motivate JROTC cadets to lead active, healthy lifestyles into their adult lives. We call it “**Play with a Purpose**”. Junior ROTC is a great experience. “Game day” happens when the uniform of our nation’s Air Force is worn on Wednesdays.

AIR FORCE JROTC III - 495780

Aerospace Science III: AS 300 Exploration Space: The High Frontier; Leadership 300: Life Skills and Career Opportunities; Health and Wellness

Grades 10-12 1 year/1 credit

Prerequisite: AEROSPACE I is desired, but not required.

This is a science course that includes the latest information available in space science and space exploration. The course explores astronomy and early ideas of the heavens through the Renaissance and on into modern astronomy. The exploration curriculum is an in-depth study of the Earth, Sun, stars, Moon and solar system, including the terrestrial and the outer planets. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories unmanned satellites, and space probes. The course examines the latest advances in space technology, including robotics in space. Cadets build and launch rockets. Life Skills and Career Opportunities, provides an essential component of leadership education for today’s high school students. It is designed to prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century. Student will learn how to spend money wisely. They will learn about real-life issues. The Holland Interest Inventory and other self-assessments will help them to reveal their attitudes, aptitudes, and personal skills. They will learn how to select a school that is right for them; how to apply for admission to a vocation or technical school that is right for them; how to apply for admission to a vocation or technical school, community college, or college/university; and how to succeed in these learning environments. Cadets learn to conduct a job search and how to prepare a winning resume, and how to develop effectively interviewing skills.

The **Wellness/Physical Fitness** portion will incorporate the Cadet Health and Wellness Program (CHWP). The CHWP is an exercise program focused upon individual baselines improvements with the goal of achieving Presidential Physical Fitness standard calculated with age and gender. The goal of the CHWP is to motivate JROTC cadets to lead active, healthy lifestyles into their adult lives. We call it “**Play with a Purpose**”. Junior ROTC is a great experience. “**Game day**” happens when the uniform of our nation’s Air Force is worn on Wednesdays.

AIR FORCE JROTC IV - 495880

Aerospace Science IV; AS 410: Survival: Survive - Return Leadership Education 400: Principles of Management; Health and Wellness

Grades 10-12 1 year/ 1 credit

Prerequisite: AEROSPACE I is desired, but not required.

The *Survival* text is a synthesis of the basic survival information found in Air Force Regulation 64-4 *Survival Training*. The survival instruction will provide training in skills, knowledge and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents “good to know” information that would be useful in any situation. The information is just as useful to an individual lost hunting or stranded in a snowstorm. This textbook in the Leadership Education series acquaints cadets with the fundamentals of management. Leadership topics benefit students by providing them with skills needed to put into practice what they have learned during their time in AFJROTC. It will equip them with the qualities needed to serve in leadership positions as seniors. Ethical dilemmas, case studies, and role play activities are built into the lessons and allow students the opportunity to practice what they learn. Senior cadets use these skills to lead the Thunderhogs. The Wellness/Physical Fitness portion will incorporate the Cadet Health and Wellness Program (CHWP). The CHWP is an exercise program focused upon the individual baseline improvements with the goal of achieving a Presidential Physical Fitness standard calculated with age and gender. The goal of the CHWP is to motivate JROTC cadets to lead active, healthy lifestyles into their adult lives. We call it “**Play with a Purpose**”. Junior ROTC is a great experience, “**Game day**” happens when the uniform of our nation’s Air Force is worn on Wednesdays.

JROTC Completer Checklist

JROTC (Required Core)

- Air Force JROTC I (Required)... 2 credits
- Air Force II.....1 credit
- Air Force III.....1 credit

AGRICULTURE

The national organization, FFA, is an integral part of the instructional program in vocational agriculture and an extension of the classroom instruction. All agriculture students are encouraged to join FFA by paying yearly dues of \$20 (this amount covers local, state, and national dues). Additionally, all students taking agriculture courses should complete a record book detailing their supervised agricultural experience for the year.

SURVEY OF AGRICULTURAL SYSTEMS - 491150

Grades 9-12 1 year/1 credit

Prerequisite: NONE

SURVEY OF AGRICULTURAL SYSTEMS is a foundation course for all agricultural programs of study. Topics covered include general agriculture, FFA, leadership, supervised agricultural experience, animal systems, plant systems, agribusiness systems, food products & processing, biotechnology, natural resources systems, environmental service systems, and power, structural and technical systems.

ANIMAL SCIENCE I (fall semester) – 491180

Grades 10-12 1 semester/.5 credit

Prerequisite: SURVEY OF AGRICULTURAL SYSTEMS

The course is structured to enable all students to have an overview of the Animal Industry. Topics covered in Animal Science I include the animal industry, animal handling and safety, animal anatomy/physiology, and animal nutrition.

ANIMAL SCIENCE II (spring semester) – 491200

Grade 10-12 1 semester/.5 credit

Prerequisite: ANIMAL SCIENCE I

Topics covered in Animal Science II include animal reproduction, genetics, animal health, animal products, and marketing. Opportunities are provided for students to participate in FFA and supervised experience activities.

ADVANCED ANIMAL SCIENCE - 491010

Grades 10-12 1 semester/.5 credit

Prerequisites: SURVEY OF AGRICULTURAL SYSTEMS & ANIMAL SCIENCE I AND II

This course is designed at the local level for specialized instruction as determined by the local advisory committee and administration in a specific area of animal science.

FOOD SCIENCE TECHNOLOGY - 491250

Grades 10-12 1 semester/.5 credit

Prerequisite: SURVEY OF AGRICULTURAL SYSTEMS

This course examines the food industry in production, manufacturing/processing, distribution, and marketing. It also explores careers, consumer consumption, food safety, global commodities, and food companies.

AGRICULTURAL BUSINESS (fall semester)

Grades 10-12 1 semester/.5 credit

Prerequisite: SURVEY OF AGRICULTURAL SYSTEMS

AGRICULTURAL BUSINESS provides students with a basis for making effective decision, setting goals, assessing and solving problems, evaluating the management of resources, and gaining skills useful in everyday life.

AGRICULTURAL MARKETING (spring semester) – 491060

Grades 10-12 1 semester/.5 credit

Prerequisite: AGRICULTURAL BUSINESS

AGRICULTURAL MARKETING covers the principles of consumer demand and economic system fundamentals, functions and methods of marketing agricultural commodities, agricultural industry inputs, legal and industry responsibilities, international marketing, and promotional planning and sales in agriculture

EQUINE SCIENCE- 491420

Grades 11-12 1 semester/.5 credit

Prerequisite: SURVEY OF AGRICULTURAL SYSTEMS

EQUINE SCIENCE will introduce students to a broad spectrum of topics in Equine Science and establish a solid foundation of general horse knowledge. The course will begin with discussions of the development, domestication, and use of the horse; as well as the economic impact and future trends of the horse industry.

VETERINARY SCIENCE- 491460

Grades 11-12 1 year/1 credit

Prerequisite: SURVEY OF AGRICULTURAL SYSTEMS

This course will provide the student with a sound platform to master the knowledge and skills necessary to become a veterinary assistant. It will also prepare the student to pursue a rewarding career as part of the professional veterinarian team. It will also equip the next generation of veterinarians and veterinarian assistants with the new technological tools that reinforce our industries expectations. Finally, it provided academic knowledge, higher order reasoning and problem solving skills, work attitudes, general employability skills, technical skills and occupational skills.

AGRICULTURE Completer Checklist

Agribusiness Systems (Required Core)

- Survey of Agriculture Systems (Required)..... 1 credit
- Agricultural Business..... ½ credit
- Agricultural Marketing..... ½ credit
- Elective..... 1 credit

Electives

- Animal Science (½ credit)/ Animal Science II (½ credit) = 1 credit
- Advanced Animal Science (½ credit)
- Food Science Technology (½ credit)
- Equine Science (½ credit)

OR

Animal Science Systems (Required Core)

- Survey of Agriculture Systems (Required)..... .. 1 credit
- Animal Science I (.5 credit/ Animal Science II (.5 credit).. 1 credit
- Elective..... ½ credit

Electives

- Animal Science I (½ credit)/ Animal Science II (½ credit) = 1 credit
- Advanced Animal Science (½ credit)
- Food Science Technology (½ credit)
- Equine Science (½ credit)

BUSINESS

COMPUTERIZED BUSINESS APPLICATIONS – 492120

Grades 9-12 1 year/1 credit

Prerequisite: NONE

Computerized Business Applications is a two-semester course designed to prepare students with an introduction to business applications that are necessary to live and work in a technological society. Emphasis is given to hardware, concepts, and business uses of applications. The business applications covered are word processing, database, spreadsheet, telecommunications, presentation, and Web page design.

SOCIAL MEDIA AND COMMUNICATIONS –

Grades 10-12 1 year/1 credit

Prerequisite: COMPUTER BUSINESS APPLICATIONS

This is a two-semester project-based course that enhances technology skills, job search and employability skills along with communication skills. Students will create an online electronic career portfolio focused on an individual career path, create social media and viral marketing campaigns participate in video conferencing, cloud-based collaboration, and learn and practice other workplace related communication technologies and channels. Students will apply verbal and nonverbal communication skills related to both spoken and written communications; technology will be used to enhance these skills. Productivity programs and apps will be used to teach time management, organization and collaboration skills, cloud storage and computing. Students will also create career-related documents according to professional layout and design principles, and will also learn the photo and video editing skills needed to create promotional and informational business communications and viral marketing campaigns.

COMPUTERIZED ACCOUNTING I - 492100

Grades 10-12 1 year/1 credit

Prerequisite: NONE

This course of study emphasizes basic accounting principles as they relate to BOTH MANUAL AND COMPUTERIZED FINANCIAL SYSTEMS and is designed to provide students with entry-level skills in the accounting profession as a general accounting clerk and/or to provide students with a foundation for Computerized Accounting II.

ENTREPRENEURSHIP I – 492170 (fall semester)

Grades 9-12 1 semester/.5 credit

Prerequisite: NONE

Entrepreneurship I, the first semester, is a one-semester course designed to offer an overview of the American business enterprise system. It provides a study of various forms of ownership, internal organization, management functions, and financing as they relate to business. The course content focuses on the concepts and practices of small business ownership and management. The student should be introduced to microcomputer software that is used as a tool for management functions.

ENTREPRENEURSHIP II – 492180 (spring semester)

Grades 9-12 1 semester/.5 credit

Prerequisite: ENTREPRENEURSHIP I

Entrepreneurship II is a one-semester course that incorporates applied economics with emphasis on current application of economic theory, international economics, and small business economic applications. The five major economic activities, includes producing, exchanging, consuming, saving, and investing.

OFFICE MANAGEMENT - 492380

Grades 10-12 1 year/1 credit

Prerequisite: COMPUTERIZED BUSINESS APPLICATIONS

This course focuses on management and supervision in the office environment. It covers basic skills such as word processing, records management, and communications as well as decision-making, critical thinking, teamwork, and ethics.

Business Completer Checklist

Information Technology (Required Core)

- Computerized Business Applications (Required)..... 1 credit
- Social Media & Communication..... 1 credit
- Elective..... 1 credit

Electives

Any other Business approved elective

Entrepreneurship (Required Core)

- Computerized Business Applications (Required)..... 1 credit
- Entrepreneurship I & II.....1 credit
- Computerized Accounting.....1 credit

Electives

Any other Business approved elective

Administrative Services (Required Core)

- Computerized Business Applications(Required).....1 credit
- Computerized Accounting I.....1 credit
- Office Management..... 1 credit

Elective

Any other Business approved elective

ENGINEERING AND TECHNOLOGY EDUCATION (ETE)

INTRODUCTION TO ENGINEERING AND TECHNOLOGY (ETE 1) – 494010

Grade 9 1 semester/.5 credit

Fall semester – 494010, Prerequisite – NONE

This one semester course is designed to provide students with an introduction and comprehensive overview of the fields of information and communication, construction, manufacturing, energy, power, and transportation technological problems. Emphasis will be placed on the exploration of principles and concepts as well as the application of technological concepts and practices through the completion of experiments, learning exercises, field trips, writing activities, and design projects which include the following: CO2 race cars, bridge building, laser communication, robotics (using Legos and computer software), Pneumatics (air Legos), rocket construction, parachute building and testing, a manufactured project and an electronic technology portfolio.

FUNDAMENTALS OF ENGINEERING AND TECHNOLOGY (ETE 2) – 494020

Grade 9 1 semester/.5 credit

Prerequisite: 494010 ETE 1

This one semester course is designed to provide students with a more in depth look at the fields of information and communication, construction, manufacturing, energy, power, and transportation technologies. Students will also further their understanding of technology and the use of the engineering design loop to solve technological problems. Emphasis will be place on the further exploration of principles and concepts as well as the continued application of technological and engineering concepts and practices through the completion of experiments, learning exercises, field trips, writing activities, and design projects which include the following: CO2 race cars, bridge building, laser communication, robotics (using Legos and computer software), Pneumatics (air Legos), rocket construction, parachute building and testing, a manufactured project and an electronic technology portfolio.

PRE-ENGINEERING

INTRODUCTION TO ENGINEERING DESIGN (IED) – 495480

Grades 9-12 1 year/1 credit

Prerequisite: NONE

Introduction to Engineering Design is an introduction course that develops students' problem-solving skills, with emphasis placed on the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes and tools provided by modern, state-of-the-art computer hardware and software. The course will emphasize the design development process of a product and how a model of that product is produced, analyzed, and evaluated, using a computer-aided design system. Various design applications will be explored with discussion of possible career opportunities.

PRINCIPLES OF ENGINEERING (POE) – 495490

Grades 10-12 1 year/1 credit

Prerequisite: INTRODUCTION TO ENGINEERING DESIGN

Principles to Engineering are a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem-solving skills that are involved in postsecondary education programs and engineering careers. They will explore various engineering systems and manufacturing processes. They will also learn how engineers address concerns about the social and political consequences of technological change. The main purpose of this course is to experience through theory and hand-on, problem-solving activities what engineering is all about and to answer the question, "Is a career in engineering or engineering technology for me?"

CIVIL ENGINEERING & ARCHITECTURE (CEA) – 495440

Grades 11-12 1 year/1 credit

Prerequisite: PRINCIPLES OF ENGINEERING

This course builds upon the computer solid modeling design skills developed in Introduction to Engineering Design. Students will be presented with design problems that require the use of computer-aided drafting skills to develop solutions to the problems.

Pre-Engineering Completer Checklist:

- Introduction to Engineering Design (IED) required
- Principles of Engineering (POE) required
- Civil Engineering & Architecture

MARKETING

Marketing Technology is known as the “DECA Program”. It is the work-based program that allows students to work part-time during the school day while earning credits toward graduation. This course requires the APPROVAL OF THE INSTRUCTOR. **Acceptance into the program and employment at an approved training site must be obtained prior to school starting.**

MARKETING – 492330

Grades 11-12 1 year/1 credit

Prerequisite: NONE

Marketing is a two-semester course designed to provide students with the fundamental concepts, principles, skills and attitudes common to the field of marketing. Instruction will focus on market types, consumer types, planning, promotion, buying, pricing, distribution, selling, trends and careers. This course will prepare students for careers in the fields of Business, Management & Administration; Finance; Hospitality & Tourism; and Marketing, Sales & Service. Students are encouraged to complete Computerized Business Applications in order to receive a Career and Technical Education Completer honor cord. Students are also strongly encouraged to join DECA: An Association for Marketing Students.

MARKETING MANAGEMENT – 492350

Grades 11-12 1 year/1 credit

Prerequisite: Successful completion of MARKETING, Instructor’s continued approval, and approved training site

Marketing Management is a two-semester course designed to develop decision-making skills through the application of marketing and management principles. Competencies will be accomplished by utilizing various instructional methods, resources, and direct involvement with marketing businesses. The course will focus on organization, finance, risks, credit, technology, and social aspects.

MARKETING JOB/WORK-BASED LEARNING – 492341 (1 period); 492342 (2 periods); 492343 (3 periods)

Grades 11-12 1 year/1 credit per each job hour released

Prerequisite: Must be enrolled in MARKETING or MARKETING MANAGEMENT

All students will receive work-based learning credit for each 1, 2, or 3 periods released. This course requires the APPROVAL OF THE INSTRUCTOR. **Acceptance into the program and employment at an approved training site must be obtained prior to school starting. Employment must also be maintained throughout the course to get credit.**

Marketing Completer Checklist

- Computer Business Application (Required).....1 credit
- Marketing..... 1 credit
- Marketing Job or Marketing Management.....1 credit

FAMILY AND CONSUMER SCIENCE

This course of study emphasizes the development of competencies related to the Family, Career, and Community Leaders of America. These competencies provide a foundation for the variety of careers available to students in this career focus. Upon completion of a selected course of study, students will be able to make informed choices regarding consumer education, food and nutrition, relationships, housing, and textiles. These courses provide skills for careers in Hospitality and Tourism and Human Services career clusters.

FAMILY AND CONSUMER SCIENCE - 493080

Grades 9-12 1 year/1 credit

Prerequisite: NONE

Family and Consumer Science is designed to provide students with basic information and skills needed to function effectively within the family and within a changing, complex society. Emphasis is given to the development of competencies related to Family, Career, and Community Leaders of America; individual and family relationships; housing and interior design; wardrobe planning and selection; garment care and construction; the physical, emotional, social and intellectual development of children; nutrition and food selection; healthy lifestyle choices; meal planning, preparation and service; home management; money management; the application of current technology in the home and workplace. Upon completion of this course, the student should have developed life skills that promote a positive influence on the quality of life.

NUTRITION & WELLNESS (FALL OR SPRING SEMESTER) – 493200

Grades 9-12 1 semester/.5 credit

Prerequisite: NONE

NUTRITION & WELLNESS enables students to analyze the interaction of nutrition, foods, and fitness for overall wellness of individuals and families throughout the lifespan. In this course students will develop nutrition and fitness habits to make wise decisions regarding healthy living and prevention of disease through these practices.

FINANCIAL LITERACY (SPRING SEMESTER) – 491990

Grades 9-12 1 semester/.5 credit

Prerequisite: NONE

FINANCIAL LITERACY is a one-semester course designed to increase financial literacy and prepare students to successfully manage financial resources. This course also focuses on the individual's role and financial responsibilities as a student, citizen, consumer, and active participant in the business world. Emphasis is also placed on activities and competitions within career technical student organizations (i.e. FBLA, FCCLA, DECA) Completer for FACS & Business.

HOUSE & INTERIOR DESIGN (FALL SEMESTER) – 493140

Grades 10-12 1 semester/.5 credit

Prerequisite: NONE

HOUSING & INTERIOR DESIGN focuses on personal and family housing needs, options for meeting those needs, and the impact of the housing industry on the economy. Attention is given to student competencies addressing housing needs, trends, finance, construction and artful principles as applied to housing.

CHILD DEVELOPMENT (FALL SEMESTER) – 493020

Grades 10-12 1 year/.5 credit

Prerequisite: NONE

CHILD DEVELOPMENT is directed toward helping students understand the challenges and responsibilities of guiding physical, social, emotional, and intellectual development of children. Understanding children, their needs, and the forces that influence them helps the adolescent gain self-understanding. Emphasis is placed on preparation for parenthood, prenatal and postnatal care, childbirth, and health and safety of children. Experiences in the parenting course are designed to assist students in developing an understanding of the parenting process and of parenting skills. Competencies developed in this course will be useful to anyone who lives with, associates with, or works with children.

PARENTING (SPRING SEMESTER) – 493210

Grades 10-12 1 semester/.5 credit

Prerequisite: NONE

Experiences in the PARENTING course are designed to assist students in developing an understanding of the parenting process and of parenting skills. Competencies developed in this course will be useful to anyone who lives, associates with, or works with children.

FOOD & NUTRITION (SPRING SEMESTER) – 493110

Grades 10-12 1 semester/.5 credit

Prerequisite: NONE

Experiences in the FOOD & NUTRITION course focus on the development of skills needed to select, prepare and serve food which meets nutritional needs of individuals and families. CLASS LIMIT of 20 students.

FAMILY DYNAMICS – 493100

Grades 9-12 1 year /1 credit

Prerequisite: NONE

This course focuses on the role of the family in helping individuals develop to their highest potential. In strengthening the community, and in addressing concerns of a global society.

HUMAN RELATIONS (FALL SEMESTER) - 493150

Grades 10-12 1 semester/.5 credit

Prerequisite: NONE

HUMAN RELATIONS focuses on the development of skills needed in order to build and maintain successful relationships in the home, community, and workplace. Emphasis is given to the development of competencies related to personality development, decision-making, communication, relationships outside the family, and careers in the field of human relations.

Family & Consumer Science Completer Checklist

Family & Consumer Sciences Education (Required Core)

- Family & Consumer Sciences (Required)..... 1 credit
- Family & Consumer Sciences Elective.....1 credit
- Family & Consumer Sciences Elective.....1 credit

Electives

Housing & Interior Design (½ credit)

Food Nutrition (½)/Personal & Family Finance (½) = 1 credit

Child Development (½ credit//Parenting (½ credit) = 1 credit

Nutrition & Wellness (½ credit)

CULINARY ARTS

This Culinary Arts program is designed to provide students with an in-depth study of the professional kitchen and culinary applications. Course offerings are dual credit AT Texarkana College. Students must purchase a kit that includes a chef jacket and hair nets for sanitation and safety. The cost is \$30.00 and it is sold in the Texarkana College Bookstore. They are only required to purchase one throughout high school unless the jacket becomes soiled and cannot come clean.

FIRST YEAR, fall semester

Grades 10-12

CHEF -1305 Sanitation and Safety (3,2,4)

A study of personal cleanliness; sanitary practice in food preparation; causes, investigation, control of illness caused by food contamination (Hazard Analysis Critical Control Points); and work place safety standards.

FIRST YEAR, spring semester

Grades 10-12

RSTO 1313 HOSPITALITY SUPERVISION (3,3,0)

Fundamentals of recruiting, selection, and training of food service applicable personnel laws, and regulations. Emphasis on leadership development.

RSTO 1325 PURCHASING FOR HOSPITALITY OPERATIONS (3,2,2).

Study of purchasing and inventory management of foods and other supplies to include development of purchase specifications, determination of order quantities, formal and inform price comparisons, proper receiving procedures, storage management, and issue procedures. Emphasis on product cost analysis, yields, pricing formulas, controls, and record keeping at each stage of the purchasing cycle.

SECOND YEAR, fall EXTENDED

Grades 10-12

CHEF 1401 BASIC FOOD PREPARATION (SKILLS) (4,1,9)

A study of the fundamental principles of food preparation and cookery to include Brigade System, cooking techniques, material handling, heat transfer, sanitation, safety, nutrition, and professionalism.

HAMG 2207 HOSPITALITY MARKETING & SALES (2,2,0)

Identification of the core principles of marketing and sales and their impact on the hospitality industry.

MEDICAL PROFESSIONS

Medical Professions Education introduces students to various medical careers through mentoring, guest speakers and job shadowing experiences. Students will explore the opportunities in the medical field through computerized instruction, lab activities, and basic knowledge of health career history and background knowledge.

INTRODUCTION TO MEDICAL PROFESSIONS – (FALL SEMESTER) - 495340

Grades 9-12 1 semester/.5 credit

Prerequisite: NONE

This course is designed to provide a general overview of the many health-related occupations and special concerns of the health care worker. Careers in medical professions and the health sciences as well as an overview of patient care are included in this course. The course will be paired with Medical Terminology. Membership in the Health Occupations Students of American Club (HOSA) is encouraged.

MEDICAL TERMINOLOGY – (SPRING SEMESTER) – 495360

Grades 9-12 1 semester/.5 credit

Prerequisite: NONE

This course assists students in developing the language used for communication in the health care profession. Areas of study include fundamental word structures, terminology for diagnostic and imaging procedures, and general medical terms for the body systems. This course will be paired with Introduction of Medical Professions. Membership in the Health Occupations Students of American Club (HOSA) is encouraged.

MEDICAL PROCEDURES – (SPRING SEMESTER) – 495330

Grades 10-12 1 semester/.5 credit

Prerequisite: NONE

This course is designed to help students develop specific and general skills needed by the health science technology professional. Areas of topic include safety, infection control, vital signs, CPT/First Aid, medical math, medical charting, and abbreviations, and medical abbreviations. Membership in the Health Occupations Students of America Club (HOSA) is encouraged.

ABNORMAL PSYCHOLOGY – 495370

Grades 10-12 1 semester/.5 credit

Prerequisite: Intro to Medical Professions

This course provides a basic survey of maladaptive human behavior. Major psychological disorders, their causes, symptom patterns, cultural influences, and relevant treatment approaches are discussed. Included topics are: historical medical background, perspectives of treatment of the mentally ill, fundamental definitions; causes of anxiety disorders, disorders of mood, including depression and bipolar disorder, personality disorders, disorders of thought, including schizophrenia, substance related disorders and domestic violence. Legal, ethical, and social issues relating to the medical professional's role in treating psychological disorders is explored.

CTE HUMAN ANATOMY & PHYSIOLOGY – 495300

Grades 10-12 1 year/1 credit

Prerequisite: NONE

The course focuses on the anatomical and physiological systems of the body as well as diseases of those systems and is part of the Medical Professions/Health Sciences Program of Study. Any student who completes Anatomy & Physiology in the science department does not have to duplicate this course. Completion of one of these anatomy courses is required to be considered a completer in the Medical Professions Program of Study. Membership in the Health Occupations Students of America Club (HOSA) is encouraged.

This course DOES NOT count as a science credit.

CERTIFIED NURSING ASSISTANT – 495310

Grades 11-12 1 year/ 1 credit

Prerequisite: INTRODUCTION TO MEDICAL PROFESSIONS, ANATOMY & PHYSIOLOGY

This course follows the requirements and guidelines set forth by the Department of Health and Human Services, division of the Office of Long Term Care. Students develop patient care skills such as bathing, dressing, toileting and feeding. Instruction is done through theory, classroom, lab and 16 hours of clinical training in a long term care facility. Upon completion of the course a certification exam will be offered to eligible students through the Office of Long Term Care. Good attendance is absolutely necessary. Professionalism is a must.

PHARMACOLOGY TECHNOLOGY FUNDAMENTALS – 495280

Grades 11-12 1 year/1 credit

Prerequisite: INTRODUCTION TO MEDICAL PROFESSIONS

Provides an overview of the pharmacy technology field and develops the fundamental concepts and principles necessary for successful participation in the pharmacy field.

Medical Professional Completer Checklist

Medical Professions (Required Core)

- CTE Human Anatomy and Physiology (Required).....1 credit
- Intro to Medical Professions.....½ credit
- Medical Professions Elective.....1 credit
- Medical Professions Elective..... ½ credit

Electives

- Intro to Abnormal Psychology (½ credit)
- Medical Terminology (½ credit)
- Pharmacology Technology Fundamentals 1 credit
- Medical Procedures (½ credit)
- Intro to Medical Professions (½ credit)
- CTE Human Anatomy & Physiology 1 credit
- Certified Nursing Assistant 1 credit

**TEXARKANA ARKANSAS CAREER & TECHNOLOGICAL CENTER
LOCATED AT 1200 JEFFERSON AVENUE
ARKANSAS HIGH SCHOOL
TEXARKANA, ARKANSAS
2017-2018**

The Texarkana Arkansas Career & Technological Center career and technical education courses teach students to be productive and adapt to a rapidly changing workplace by the teaching of many transitional and employability skills. All courses are designed to provide students with the skills and educational experiences that will prepare them to be college and career ready. We encourage students to reach their highest potential as confident and independent learners.

The courses at the Career & Technological Center are focused toward students enrolled in grades 10-12, and who are pursuing a program of study.

Students who enroll in Career and Technical Education courses should strive to become a **Completer in a Program of study**. A **completer** is a student who completes a minimum of 3 units of credit, including the core required courses, in a CTE program of study and graduates from high school.

Programs of Study consist of the following: Aviation Mechanics, Automotive Collision Repair, Cosmetology, Criminal Justice, Graphic Communications, Industrial Equipment Maintenance, Audio/Video Technology & Film Production, and Welding

The Center class times are as follows: (1st-2nd period) 8:10-9:50; (3rd-4th period) 10:10-11:50; (5th-6th period) 12:50-2:30

AUTOMOTIVE COLLISION REPAIR Program of Study

Students are encouraged to join and participate in SkillsUSA.

PAINTING/REFINISHING (2016-17) – 494310

Grades 10-12 2 credits

This course concentrates on painting and refinishing as they pertain to collision repair. The course includes preparation and application of refinish materials along with causes and correction of finish defects. Upon successful completion of this course of study the student will possess the necessary skills and training to begin a career in the collision repair industry.

NON-STRUCTURAL ANALYSIS/REPAIR (2017-18) – 494300

Grades 10-12 2 credits

Students learn to repair non-structural component of automobiles. Instruction in body preparation for painting and finishing is included. Upon successful completion of this course of study, the student will possess the necessary skills and training to begin a career in all fields related to collision repair and painting.

STRUCTURAL ANALYSIS/REPAIR (2018-19) - 494320

Grades 10-12 2 credits

This course concentrates on structural analysis and repair of modern vehicles. Upon successful completion of this course of study, the student will possess the necessary skills and training to begin a career in all fields related to collision repair and painting.

2016-2017 Rotation
Painting & Refinishing

2017-2018 Rotation
Non- Structural Analysis Repair

2018-2019 Rotation
Structural Analysis and Repair Lab

Automotive Collision Completer Checklist

Automotive Collision (Required Core)

- Painting and Refinishing & Lab (Required).....2 credits
- Structural Analysis And Repair & Lab.....2 credits
- Automotive Collision Repair & Lab (Elective)...2 credits

Electives

Non-Structural Analysis and Repair...2 credits

AVIATION MECHANICS Program of Study

The student must take the following courses to lead to certification as an Aviation Maintenance Technician and can be taken through the Texarkana Area Vocational Center. Concurrent credit can be earned through SAU Tech at Camden or Texarkana College toward completion of a two-year degree. The upper level courses required (Airframe and Power plant) to complete this certification can be taken at Texarkana Community College or SAU Tech at Camden. The courses described will give students a broad range of knowledge in the aviation field and enable them to research, document, and comply with the FAA requirements: aircraft standards, aircraft science, mathematics, aircraft drawing, and basic electricity.

AVIATION MECHANICS I (A & P) - 494250

Grades 10-11 1 year; 1st and 2nd period = 2 credits
Prerequisite: NONE

In Aviation I, the first semester, the student will gain an understanding of basic aerodynamics, aircraft propulsion, flight operations, air navigation, meteorology, and communications. The student will fortify these learning concepts with hands on laboratory work and field trips to aeronautical facilities. In the second semester, mathematics, physics and aircraft drawings will be covered. After the mathematics section is covered the student should be able to perform the mathematics computations required in the aviation maintenance technical curriculum. After completing the physics section the student will have an understanding of the specific principles that apply to the operation of aircraft, engines, and the equipment that the aviation maintenance technician would be in contact with daily. At the completion of the aircraft drawings section the student will be able to make a sketch of an aircraft repair suitable for use on an FAA Form 337 and understand information presented on typical aircraft blueprint, graphs, and charts.

AVIATION MECHANICS II (A & P) - 494260

Grades 11-12 1 year; 1st and 2nd period = 2 credits
Prerequisite: AVIATION I

In Aviation II, the second year of instruction in aircraft mechanics, the study enhances job-specific training for employment as an aircraft mechanic. Students will focus on ground handling and servicing, basic electricity, electrical generators and motors, hand tools and measuring devices, aircraft structural materials, aircraft hardware, and fluid lines and fittings.

AVIATION III - 494261

Grades 12 1 year; 1st and 2nd period = 2 credits
Prerequisite: AVIATION II

In Aviation III, the third year of instruction, students will expand their skills and knowledge covered in level I and II. Students will focus on nondestructive testing, cleaning and corrosion, weight and balance maintenance, publications/forms/records and mechanic privileges and limitations.

Aviation Mechanics Completer Checklist

Aviation Mechanics (Required Core)

- Aviation Mechanics I (Required)...2 credits
- Aviation Electives.....2 credits

Electives

- Aviation II
- Aviation III

GRAPHIC COMMUNICATIONS Program of Study

Graphic Communications is accredited with PrintED in the following areas: Introduction to Graphic Communications, Advertising Design, Bindery & Finishing, and Digital File Preparation. PrintED, administered by the Graphic Arts Education and Research Foundation (GAERF) is a national accreditation program, based on industry standards, appropriate for secondary and post-secondary schools offering graphic communications curricula. The competencies were written by industry professionals and graphic communications educators to provide measureable or observable knowledge, skills, abilities, and behaviors critical to successful job performance in the six accreditation areas. Many PrintED accredited programs have established articulation agreements with institutions of higher learning. Articulation agreements are designed to build strong partnerships between high schools and community colleges and/or four-year institutions. The agreement outlines specific requirements completed at the high school level that will transfer to institutions of higher learning. PrintED instructors are encouraged to form articulation agreements to provide students with the benefit of pursuing further education with college credit already in hand. Students are encouraged to join and participate in SkillsUSA.

FUNDAMENTALS OF GRAPHIC COMMUNICATIONS – 493600

Grades 10-12 1 credit (2 periods; 1semester)

Prerequisite: NONE

This course provides an overview of digital imaging, digital press operation, and finishing and binding operations. It requires production of visuals using electronic illustrations and text of the printing industry, its basic operations, and career opportunities.

INTERMEDIATE GRAPHIC COMMUNICATIONS – 493610

Grades 10-12 1 credit (2 periods; 1semester)

Prerequisite: Fundamentals of Graphic Communications

Digital press operation, basic printing/binding equipment, basic workplace skills, and finishing operations are presented in this course. This course is directed at building entry-level skills.

ADVANCED GRAPHIS COMMUNICATIONS- 493630

Grades 11-12 1 credit (2 periods; 1semester)

Prerequisite: Fundamentals of Graphic Communications and Intermediate Graphic Communications

Digital press operation, all printing/binding equipment, workplace skills development, and finishing operations are presented in this course. This course is directed at building advance-level skills and preparing for the workforce.

Graphic Communication Completer Checklist (Required Core)

- Fundamentals (Required).....1 credit
- Intermediate (Required).....1 credit
- Advance (Required).....1 credit

COSMETOLOGY Program of Study

If you have enrolled in Cosmetology you must provide the following, by the 3rd week of school: 1) Copy of birth certificate 2) Copy of social security card 3) \$20 money order or cashier's check Students are encouraged to join and participate in SkillsUSA

SENIORS MAY ENROLL IN COSMETOLOGY AS A FIRST YEAR STUDENT

COSMETOLOGY I (CLASS) – 494550 1 year/1 credit

COSMETOLOGY I (LAB) – 494560 1 year/1 credit

Grades 11-12 (Limited class size)

Preference will be given to juniors - A two semester instructional program that prepares the individual to begin achieving the basic competencies necessary to begin a program of study in cosmetology and to begin acquiring documented hours of instruction required by the State Board of Cosmetology.

Students will receive instruction in: Professional Image, Bacteriology, Sterilization and Sanitation, Poetries of the Hair and Scalp, Draping, SKILLS USA Student Organization, Shampoo, Rinse, and Conditioning, Haircutting, Finger Weaving, Wet Hair Styling, Permanent Wave, Hair Coloring, Chemical Hair Relaxing and Soft Curl, Thermal Hair Straightening (Soft Curl), the Artistry of Artificial Hair.

COSMETOLOGY II – 494570 (Limited class size)

Grades 11-12 1 year/2 credits

Prerequisite: NONE

This is a two semester instructional program that allows the individual the opportunity to achieve competencies to complete a program of study in cosmetology. In order to be eligible to take the Arkansas State Board Exam you must acquire 1500 hours.

Students will receive instruction in:

- Manicures and Pedicures
- The Nail and Its Disorders
- Theory of Massage
- Facials
- Facials Make-up
- The Skin and Disorders
- Removing Unwanted Hair
- Cells, Anatomy, and Physiology
- Electricity and Light Therapy

Cosmetology Completer Checklist (Required Core)

- Cosmetology I Class (Required).....1 credit
- Cosmetology I Lab (Required)1 credit
- Cosmetology II (Required).....2 credit

CRIMINAL JUSTICE Program of Study

This program is designed to assist those students who are interested in a career in criminal justice. It introduces students to the criminal justice system of the United States and the State of Arkansas. Students will discover how law affects their lives and make connections between the development of law and societal and individual values. An important part of the Criminal Justice program is the use of community resources such as the state, local and county police departments, judiciary and other legal and public safety agencies. The program will focus on the skills and tools used by professionals in the field of criminal justice. While the first year of Criminal Justice will be a broader look at the criminal justice system and career opportunities in this field, the second year will heavily incorporate job specific skills while continuing to delve into the criminal justice system.

Students are encouraged to join and participate in SkillsUSA.

INTRODUCTION TO CRIMINAL JUSTICE – 494620

Grades 10-12 1 credit (2 periods; 1semester)

Prerequisite: None

An instructional program that prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control, public relations, witness interviewing, evidence collection and management, basic crime prevention methods, weapon and equipment operation and maintenance, report preparation, and other routine law enforcement responsibilities.

The teaching unit includes: criminal justice professions, interpreting criminal and civil laws, communicating with others, legal use of force, SKILLS USA student organization.

FOUNDATION OF LAW ENFORCEMENT - 494630

Grades 10-12 1 credit (2 periods; 1semester)

Prerequisite: None

An instructional program that prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control, public relations, witness interviewing, evidence collection and management, basic crime prevention methods, weapon and equipment operations and maintenance report preparation, and other law enforcement responsibilities.

The teaching units include: Responding to emergencies, controlling traffic, performing patrol functions, SKILLS USA student organization.

CRIME SCENE INVESTIGATION– 494600

Grades 11-12 1 credit (2 periods; 1semester)

Prerequisite: None

An instructional program that prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control and investigative activities, traffic crowd, crowd control, public relations, witness interviewing, evidence collection and management, basic crime prevention methods, weapon and equipment operation and maintenance, report preparation, and other routine law enforcement responsibilities.

The teaching units include: narcotics and dangerous drug laws, investigation crimes, search and seizure, evidence, arresting suspect, SKILLS USA student organization.

Criminal Justice Completer Checklist (Required Core)

- Introduction to Criminal Justice (Required).....1 credit
- Foundation of Law Enforcement (Required).....1 credit
- Crime Scene Investigation.....1 credit

INDUSTRIAL EQUIPMENT MAINTENANCE Program of Study

UA-Texarkana in Partnership with Arkansas High School will offer courses leading to a *Certificate of Proficiency in Industrial Maintenance Technology – Mechanical*

- Classes will meet on the UA campus M-F 8:10 – 9:50
- Students will earn 6 college credit hours per semester but as part of the pilot for the year 2016-17, the UA-T campus will scholarship these students' accounts sufficiently to result in lower student charges.

Industrial Equipment Maintenance I – 590320 fall semester/ 2 high school credits/6 hours college credit

Grades 10-12

Prerequisite: NONE

GTAS 1112 General Tool and Safety This course is an introduction to the basic principles, types, intended purposes, and the safe usage of hand tools and power tools, OSHA laws and regulations, and the principles of good customer service. (1,3,2)

ELEC 1104 Basic Electricity A study of the generation, transmission, theory and use of electricity. Included in this course will be electrical and shop safety, use of power tools, hand tools, and wiring devices used in the electrical trade. (3,3,4)

Industrial Equipment Maintenance II 590790 spring semester/2 high school credits/7 hours college credit

Grades 10-12

Prerequisite: NONE

INMT 1404 Mechanical Devices & Systems This course provides the study and applications related to the maintenance and repair of equipment and machines found in a wide range of industrial operations. (3,3,4)

INMT 1003 Blueprint Reading This course is designed to introduce the student to the concepts of reading and interpreting basic drawings (3,0,3)

Power Plant 1 – 590800

ELEC 1104 Basic Electricity (I) A study of the generation, transmission, theory and use of electricity. Included in this course will be electrical and shop safety, use of power tools, hand tools, and wiring devices used in the electrical trade. (3,3,4)

PWRO 1213 Introduction to Power Plant Operations (1) This is the first course in a series of seven designed to prepare the student to work in the operations area of an industrial power plant by providing the basic foundation of knowledge concerning the operation of electrical power plants. This course will focus on the operators responsibilities in the operation of the plant. Prerequisites/Co-requisites: PWRT 1003, PWRT 1013, AND PWRT 1023 (3,0,3)

PWRT 1003 Fundamentals of Modern Power Plant (I) This course is designed to introduce the student to the major systems, components and theories of operation of modern day electrical power generation technology and facilities. Emphasis is placed on steam/water cycle (3,0,3)

Power Plant 2 – 590810

PWRT 1013 Basic Steam Generation (II) This is the second in the introductory series of course that provide the student with a broad overview of the components and systems of a modern power plant and how they operate. The purpose of this course is to expand the student’s basic foundation of knowledge concerning basic steam generation and associated equipment. *Prerequisite: PWRT 1003 (3,0,3)*

PWRT 1023 Power Plant Components and Systems (II) This course is designed to introduce the student to the major systems, components, and theories of operation of modern day, electrical power generation technology and facilities. Emphasis is placed on the instrumentation, piping, and valving (3,0,3) *Prerequisites/Co-requisites: PWRT 1003 and PWRT 1013 (3,0,3)*

Students are encouraged to join and participate in SkillsUSA.

Industrial Equipment Maintenance Completer Checklist

IEM (Required Core)

- Industrial Equipment Maintenance I Class (Required).....1 credit
- Industrial Equipment Maintenance I Lab (Required).....1 credit
- Industrial Equipment Maintenance II.....2 credits

WELDING Program of Study

The following items must be furnished by the student the first week of September: Welding Cap (\$8 to \$15), pull on leather boots with steel toe (\$50 to \$80), key lock (\$5 to \$12), 25 ft. tape measure (\$5 to \$20). Long sleeve 100% cotton or denim shirt and denim jeans without holes or frayed cuffs MUST be worn.

Students are encouraged to join and participate in SkillsUSA.

This course of study prepares students to work with a variety of welding techniques. Upon successful completion of the program, students will possess the necessary skills and training to begin a career in all fields related to welding technology.

2016-17 Rotation

Advance Shielded Metal Arc
Gas Metal Arc

2017-18 Rotation

Introductory Craft Skills
Shield Metal Arc

The following courses are offered in Welding Technology:

Introductory Craft Skills – 494480

Advanced Shielded Metal Arc

Gas Tungsten Arc Welding – 495560

Shielded Metal Arc Welding – 495580

Gas Metal Arc Welding – 495550

INTRODUCTORY CRAFT SKILLS – 494480

Grades 10-12 2 periods, 1 semester/1 credit

Prerequisite: NONE

This instructional program covers modules for building foundation skills in craft areas. It helps entry-level craft workers set up their awareness of materials handling techniques and equipment. Key features of the program include competency-based training, and performance testing. This program provides trainees, instructors, and companies with a standard form of recognition through the National Registry.

SHIELDED METAL ARC WELDING – 495580

Grades 10-12 2 periods, 1 semester/1 credit

Prerequisite: NONE

Shielded Metal Arc Welding prepares students to apply technical knowledge and skills to unite or separate metal parts by using a variety of techniques and equipment. Emphasis of this course will be on general welding knowledge and techniques in oxyfuel gas cutting and plasma arc cutting. This basic course will cover shop safety, general safety, and safety on each piece of equipment with which the student will work. Students will learn the names and proper use of welding tools and how to read and interpret basic blue prints and shop sketches.

ADVANCED SHIELDED METAL ARC WELDING – 495540

Grades 10-12 2 periods, 1 semester/1 credit

This instructional program covers intermediate and advanced techniques of shielded metal arc welding, visual inspection of welds and all the bases of a welding project from design, drafting, cost estimation, fabrication, and finally non-destructive testing. Students obtain certification preparation for various American Welding Society (AWS) and National Center for Construction Education Research (NCCER) specification and certification. After completing this program, students will be ready for an entry level job in the shielded metal arc welding field.

GAS METAL ARC WELDING - 495550

Grades 10-12 2 periods, 1 semester/1 credit

Prerequisite: NONE

Gas Metal Arc Welding prepares students to apply technical knowledge and skills to unite or separate metal parts by heating, using a variety of techniques and equipment. Emphasis of this course will be the use of GMAW/MIG welders. Students will weld types of structural material, diagnose welding problems, and perform visual inspections.

GAS TUNGSTEN ARC WELDING - 495560

Grades 10-12 2 periods, 1 semester/1 credit

Prerequisite: NONE

Gas Tungsten Arc Welding prepares students to apply technical knowledge and skills to unite or separate metal parts by heating, using a variety of techniques and equipment. Emphasis of this course will be the use of gas tungsten arc welders. This course will reinforce the principles of shop safety, general safety, and safety on each piece of equipment with which the student will work. Students will learn to read and interpret blue prints, layout, design, and development of shop sketches.

Welding Completer Checklist

Welding (Required Core)

- Introductory Craft Skills.....1 credit
- Shielded Metal Arc.....1 credit
- Advanced Shielded Metal Arc.....1 credit

Electives

- Gas Metal Arc Welding
- Gas Tungsten Arc Welding

