



**Enrollment Information
Course Descriptions
2022-2023**

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Graduation Requirements Beginning Seniors 2025 and after:

College Preparatory Curriculum – Option 1 (Mandatory unless official document on file with counselor to sign out of College Preparatory Curriculum)		Meets State Graduation Requirements Only Option 2 (Student must be signed out of college preparatory curriculum)	
Credits/Subject	Classes	Credits/Subject	Classes
4 – English*	English I, II, III and IV	4 – English	English I, II, III, and IV
3 – History*	½ Ok History, 1 World History, 1 US History , ½ Government	3 – History	½ Ok History, 1 World History, 1 US History, ½ Government
3 – Science*	1 - Life Science (Biology I) 1 – Physical Science (Physical, Chemistry or Physics) 1 – Additional Science	3 – Science	1 - Life Science (Biology I) 1 – Physical Science (Physical, Chemistry or Physics) 1 – Additional Science
3 – Math*	Algebra I (required) , Algebra II, Geometry, Pre-Calculus, Calculus, Trigonometry, Statistics, (These classes meet college entrance requirements)	3 - Math	Algebra I (required) And Two Additional Maths Math of Finance and Intermediate Algebra (meet graduation requirements only)
½ - Financial Lit	Personal Financial Literacy	1 - Technology	1 credit of Computer class
1 – Fine Arts	This includes performing arts, visual arts or applied arts	½ - Financial Lit	Personal Financial Literacy
3 – Additional Credits	2 Foreign Language* (2 years of same) AND (1 year (1 Credit) of computer technology) OR 2 Years of Computer Technology (2 Credits) AND 1 Additional Credit - Selected from the courses* of English, Math, Science, Social Studies, Foreign Language or Technology. This will include Concurrent or AP Classes.	1 – Fine Arts	This includes performing arts, visual arts or applied arts
6 ½ - Electives	Total Credits should equal at least 24	8 ½ – Electives	Total Credits should equal at least 24

* indicates a Core area

- Students must have THREE math credits in the 9-12th grade. Algebra I taken in 8th grade will count, BUT, those students will still need an additional 3 Math credits**
- All students shall be required to receive instruction in cardiopulmonary resuscitation (CPR) and the awareness of the purpose of an automated external defibrillator at least once between 9th grade and graduation.**
- Each student must complete an Individual Career Academic Plan or ICAP. Students will be required to complete mandatory components each year along with an internship or mentorship to complete before graduation.**
- All students must pass the U.S. Naturalization Test.**



ENGLISH

COURSE TITLE: English I

PREREQUISITES: None

GRADE LEVEL: 9

CONTENT: This course will include grammar, composition, vocabulary, and literary works and analysis from plays, short stories, and novels from such familiar names as William Shakespeare, Edgar Allan Poe, and Charles Dickens, as well as other authors. Students will also read and analyze non-fiction pieces, including selections from biographies and autobiographies, speeches, articles, and workplace documents. Students will learn to write responses to literature that focus strongly on providing supporting evidence. (1 English credit)

COURSE TITLE: Pre-AP English I

PREREQUISITES: Recommended C or higher in 8th grade English

GRADE LEVEL: 9

CONTENT: This course of study will include grammar, composition, and literary works and analysis from plays, short stories, and novels from such familiar names as William Shakespeare, Edgar Allan Poe, and Charles Dickens, as well as other authors. Students will also read and analyze non-fiction pieces, including selections from biographies and autobiographies, speeches, articles, and workplace documents. Students will learn to write responses to literature that focus strongly on providing supporting evidence. The level of work in Pre-AP English I will be at a faster pace and more in-depth than in the regular English I class. Expect to have from 3 to 5 hours of homework per week. (1 English credit)

COURSE TITLE: English II

PREREQUISITES: English I

GRADE LEVEL: 10

CONTENT: This course will use selections from classic literature to help students become skilled, critical readers. Students will enhance skills in vocabulary, grammar, writing, and independent reading. (1 English credit)

COURSE TITLE: Pre- AP English II

PREREQUISITES: English I, Students should be independent readers with good basic writing skills.

GRADE LEVEL: 10

CONTENT: The Pre-AP English II course concentrates on skills (rather than content) that are necessary for college-level reading, thinking, and writing. Using selections from classic literature, students will become skilled readers, paying close attention to the author's syntax and diction. Students will become mature writers, composing various types of writing. (1 English credit)

COURSE TITLE: English III

PREREQUISITES: English II

GRADE LEVEL: 11

CONTENT: This course, which builds on previous courses English I and II, includes both a writing element and a literature element. The course includes a review of language structure and grammar and usage through direct lessons as well as through assigned writing, from paragraph responses to class discussion or literature to a documented persuasive essay. The class also includes an in-depth study of vocabulary in order to promote reading comprehension. The literature portion of the course includes a chronological study of American Literature from the Colonial/Puritan era to the Modern era. (1 English credit)

COURSE TITLE: Advanced Placement English III (AP English Language and Composition)

PREREQUISITES: Pre-Advanced Placement English II strongly recommended

GRADE LEVEL: 11

CONTENT: This course trains students in the skills necessary for college-level reading, writing, thinking, and career readiness. Coursework involves a review of conventions of grammar and usage and vocabulary. This course should help students become skilled readers of prose written in a variety of disciplines and rhetorical contexts and skilled writers who compose for a variety of purposes. The course requires the close reading of non-fiction selections and informational text that provide students opportunities to identify and explain an author's use of rhetorical strategies and techniques. The course will also help students analyze how graphics and visual images both relate to written texts and serve as alternative forms of text themselves. An integral part of the course involves the development of research skills that enable students to evaluate, synthesize, use and cite primary and secondary source material using a recognized editorial style, through the process of writing researched argumentative essays. Other writing assignments will include expository, analytical, and argumentative essays based on readings representing a wide variety of prose styles and genres. Greater academic expectations will be held for this course due to its nature. This course carries a 5-point value in the calculation of a student's GPA. (1 English credit)

COURSE TITLE: English IV

PREREQUISITES: English III

GRADE LEVEL: 12

CONTENT: This course will be comprised of a review of language structure and usage, writing from paragraph to essay to a documented research paper, in-depth study of vocabulary, review of grammar and a thematic study of British literature from the Anglo-Saxon Era to the Renaissance Era and from the 17th century to the Modern Era. (1 English credit)

COURSE TITLE: Advanced Placement English IV (Literature and Composition)

PREREQUISITES: Pre-AP English II and AP English III strongly recommended

GRADE LEVEL: 12

CONTENT: This course continues the development of skills included in AP English Language and Composition (AP English III). Coursework involves a review of the conventions of grammar and usage and vocabulary. Students will engage in the careful reading and critical analysis of literature. Through the close reading of literary texts chosen from a survey of literature, including representative works of British and American authors, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure. Writing assignments will focus on critical analysis of literature including expository, analytical, and argumentative essays as well as creative writing and a documented essay. Greater academic expectations will be held for this course due to its nature. This course carries a 5-point value in the in the calculation of a student's GPA. (1 English credit)

LANGUAGE ARTS ELECTIVES

COURSE TITLE: English Language Learning

PREREQUISITES: None

GRADE LEVEL: 9-10

CONTENT: This course introduces students to structures and vocabulary of the English language through the skills of reading, writing, speaking, and listening. Students learn strategies in order to advance their reading, listening, and pronunciation skills. They expand oral comprehensibility and write complete sentences, paragraphs, and short essays. They utilize level-appropriate conventions of grammar and punctuation with a minimum of errors. As proficiency improves, the instruction moves toward a focus on syntax, continued vocabulary development, organization of ideas, and intensive grammar. (1 credit)

COURSE TITLE: Creative Writing

PREREQUISITES: Recommended strong writing skills, "B" or better average in English

GRADE LEVEL: 9-10, 11-12

CONTENT: This course will include learning a **systematic** approach for composing a variety of personal writing including, but not limited to, various types of poetry and short fiction. Most of the original compositions will be shared aloud in class, so the student should feel comfortable reading to a group of his/her peers. (1/2 elective credit)

COURSE TITLE: Comparative Mythology

PREREQUISITES: None

GRADE LEVEL: 10-12

CONTENT: Comparative Mythology is a World Literature course. This course emphasizes the reading, studying and analysis of folktales, fairytales, mythologies and creation stories of a variety of cultures. Extensive reading and literary exploration will be the main activity. This is a literature course, and critical response to the literature will be a part of the daily activity. Students will explore a variety of issues such as the historical, cultural, societal and moralistic context of the assigned literature. Much reading and writing are required to be successful in this class. At the end of this course, the student will have some wonderful resources from which to select, evaluate and enjoy cultural literature as well as film adaptations. This class does NOT meet OK Promise and/or college entrance requirements. (1/2 elective credit)

COURSE TITLE: Newspaper

PREREQUISITES: B or better in English

GRADE LEVEL: 10-12

RECOMMENDATIONS: Students should be familiar with Microsoft Word. Students should have strong writing skills

CONTENT: This course will introduce students to the practices and principles of journalism with a focus on print media and newspapers. Students will have an opportunity to examine journalism and its related fields as career options. Students must be adept at writing and editing skills as well as uses of technology. Students should be eager writers and should be willing to learn photography skills. Students will write extensively on school-related news and will have the opportunity to have their stories published in *The Collar*. This is a yearlong class. Students should not expect to change classes at semester. (1 elective credit)

COURSE TITLE: Media Production (Yearbook)

PREREQUISITES: A computer class and successfully completed English class during the previous year.

GRADE LEVEL: 9 - 12

CONTENT: Yearbook Production students produce the entire *BULLDOG* yearbook, from writing to photography, to layout to fundraising. They develop skills in thematic development, photography and journalistic writing, layout design, graphics and typography using the guidelines established by the Oklahoma Interscholastic Media Association. Production students may be required to spend many hours each semester before or after school to contribute to the production of the *BULLDOG*. (1 technology credit)

Teacher recommendations required for this class.

COURSE TITLE: ACT Prep

PREREQUISITES: Geometry or currently enrolled in Geometry

GRADE LEVEL: 10-12

CONTENT: The purpose of the ACT Prep class is to prepare students for the mathematics, science, and English portions of the ACT Test. The curriculum is designed to build on and practice the concepts tested in the ACT along with timed test practice. (1/2 elective credit)

MATHEMATICS

COURSE TITLE: Algebra I

PREREQUISITES: None

GRADE LEVEL: 9-12

CONTENT: The student will study number patterns, variables and formulas, tables of values, graphs, proportions and percentages, distributive property, inequalities, application, and linear equations solving, graphing, intercepts and slope. The student will find linear equations from their graphs, write equations for and analyze problem situations, analyze data and make predictions, graph absolute value equations, graph linear inequalities, solve systems of inequalities, graph quadratic equations, model situations with quadratic equations and graphs, solve quadratic equations, and use the laws of exponents. (1 math credit)

COURSE TITLE: Pre AP Geometry

PREREQUISITES: Algebra I (C or higher grade recommended)

GRADE LEVEL: 9

CONTENT: Like the regular Geometry course, the PAP Geometry curriculum is based on the geometry content standards found in the current Oklahoma Academic Standards for Mathematics. PAP Geometry is an alternative to Geometry for highly motivated mathematics students. The greater depth, breadth and rigor of the course is intended to prepare students for success in PAP Algebra II and AP Calculus. Accordingly, the curriculum is designed for students with a strong mathematics background who can commit to the additional homework and study time that may be required.

COURSE TITLE: Intermediate Algebra

PREREQUISITES: Algebra I

GRADE LEVEL: 10 – 12

CONTENT: Intermediate Algebra is a course designed to reinforce the language of algebra for students who received their first introduction to the Algebra I curriculum during the previous year. This course is recommended for students who did not score a satisfactory or above on the Algebra I End-of-Instruction Exam or do not otherwise demonstrate mastery of Algebra I concepts and a readiness for Algebra II. The course content will be extended beyond the Algebra I curriculum and provide students with additional opportunities to master end of the year concepts such as polynomial, rational, radical, and quadratic equations; linear and absolute value inequalities; and systems of linear equations. This class will NOT meet college preparatory curriculum and college entrance requirements. (1 elective credit)

COURSE TITLE: Pre AP Algebra II

PREREQUISITES: Algebra I & Pre AP Geometry (C or higher grade recommended)

GRADE LEVEL: 10

CONTENT: PAP Algebra 2 is a mathematics course designed for students of high math ability who have completed PAP Geometry and is based on the Algebra II content standards found in the current Oklahoma Academic Standards for Mathematics. Topics covered will include: Linear Functions and Relations, Systems of Linear Equations and Inequalities, Polynomials and Rational Expressions, Sequences, Exponents and Logarithms, Probability, Matrices, and Trigonometric Functions and Identities. Students who complete this course with a B or higher are expected to take Pre AP Calculus next school year.

COURSE TITLE: Algebra II

PREREQUISITES: Algebra I (C or higher grade recommended)

GRADE LEVEL: 10-12

CONTENT: The student will study real numbers and number operations, linear equations, systems of linear equations and inequalities, polynomials and polynomial functions, rational functions quadratic equations and parabolas, functions, powers, roots and radicals, exponential and logarithmic functions, conic sections, sequences and series, probability and statistics. In the spring semester, students will take state-mandated (1 math credit)

COURSE TITLE: Geometry

PREREQUISITES: Algebra I (C or higher grade recommended)

GRADE LEVEL: 10-12

CONTENT: Geometry is the study of "the earth's measure." During this course students will study the relationships of special pairs of angles, relationships of parallel and perpendicular lines and planes; polygons, including an extensive study of congruent triangles, and special quadrilaterals, right triangles and trigonometric relationships; circles; constructions; areas and volumes of plane and solid figures. Deductive proof will be used to develop logical reasoning. All of these topics will be taught in free space and on the coordinate plane. Students will be taught to effectively read, communicate and apply the geometric knowledge and skills to practical situations. (1 math credit)

COURSE TITLE: Mathematics of Finance

PREREQUISITES: Algebra I (C or higher grade recommended)

GRADE LEVEL: 11 - 12

CONTENT: This is a course designed to sharpen the mathematical skills students need to manage their own incomes. This course will teach awareness of many inducements and temptations they will face as they choose how to spend their money, especially in the area of debt (credit cards) and how it affects their lives over various periods of time. Specifically payroll, budgeting, income taxes, investments, and comparison-shopping will be explored. This class will NOT meet college preparatory curriculum and college entrance requirements. (1 elective credit)

COURSE TITLE: Pre AP Calculus

PREREQUISITES: Algebra II and Geometry

GRADE LEVEL: 11 – 12

CONTENT: Pre AP Calculus is an advanced level mathematics course designed for students wishing to enroll in AP Calculus or other college level mathematic courses. Students will investigate the properties of number systems, theory and graphing of functions (polynomial, rational, exponential, and logarithmic). Students will have an in-depth study of trigonometry. They will study sequences and series, conic sections, properties of limits, and the derivative and its applications. Students should acquire an overview of the different phases of mathematics study and a proficiency in applying mathematical techniques to real world problems. Expect to have from 3 to 5 hours of homework per week. (1 Math credit)

COURSE TITLE: Advanced Placement Calculus

PREREQUISITES: Pre-Calculus

GRADE LEVEL: 10-12

CONTENT: AP Calculus is a college level introductory course that follows the course description as set by the AP Program of the College Board. Students will apply the definition of a limit and evaluate limits. Derivative definitions and rules will be applied to algebraic and trigonometric functions. Real-world situations will be solved through related rates, velocity and accelerations, and maximum-minimum problems. Students will identify critical points, concavity, and asymptotes for curve sketching. Students will find the antiderivative of a function through the process of summation. Students will expand the use of derivatives through logarithmic exponential and inverse trigonometric functions. Integrals will be presented as well in algebraic and trigonometric functions. Volume of solids of revolution will be investigated. Expect to have 3 to 7 hours of homework each week. Successful completion of the advanced placement exam at the end of the course will qualify the student for college credit depending on the college the student attends. Students are required to have graphing calculator for this course. (1 Math credit)

COURSE TITLE: Advanced Placement Statistics

PREREQUISITES: Algebra II

GRADE LEVEL: 10-12

CONTENT: This course is a year-long introductory course to statistics designed for student who have successfully completed Algebra II. Students will explore and analyze data using graphical and numerical techniques. Students will also use probability and use statistical inferences to develop an appropriate model for data collected. AP Statistics can be taken alone or in conjunction with another math course. Successful completion of the advanced placement exam at the end of the course will qualify the student for college credit depending on the college the student attends. Students are required to have graphing calculator for this course. (1 Math Credit)

SCIENCE

COURSE TITLE: Physical Science

PREREQUISITES: None

GRADE LEVEL: 9

CONTENTS: This course involves the principles of chemistry and physics. The student will study the properties of matter, the periodic table, formulas, chemical equations and reactions, and laws of motion, work, power, and energy. Students will identify, collect, organize, and analyze data, and conduct scientific exploration using a safe and positive learning environment. Laboratory science course with content and/or rigor equal to or above Biology and approved for college admission requirements. (1 Science credit)

COURSE TITLE: Pre-AP Physical Science

PREREQUISITES: Recommend "B" or higher in Biology I

GRADE LEVEL: 9

CONTENT: This class involves all the basic principles of physics and chemistry. The accelerated student will study, investigate, explore, and apply technology to the following areas: properties of matter, periodic table, chemical formulas, and reactions, chemical equations, laws of motion, work, power, and energy. This course awards a laboratory science credit using the basic safety procedures. Higher level thinking will be challenged in observing, gathering, and interpreting data for research of scientific and technological principles. Expect to have from 3 to 5 hours of homework per week. Laboratory science course with content and/or rigor equal to or above Biology and approved for college admission requirements. (1 Science credit)

COURSE TITLE: Biology I

PREREQUISITES: None

GRADE LEVEL: 9-12

CONTENT: Teaches basic principles involved in the functioning of all living organisms. The scientific method is used to investigate a wide array of organisms from the subcellular to the most complex multicellular organisms. Laboratory experiments and activities are used to introduce and reinforce the principles of biology. This is a college preparatory course that awards 1 laboratory science credit

COURSE TITLE: Pre-AP Biology I

PREREQUISITES: None

GRADE LEVEL: 9 – 12

CONTENT: Pre AP Biology teaches the principles involved in the functioning of all organisms. The text is written at or above the sophomore level biology course. The students will do laboratory experiments and other activities to introduce and reinforce the principles of biology. Topics include: cells, chromosomes and heredity, natural selection, classification and ecology. (Multiple credit cannot be awarded for Biology I and Pre AP Biology) Expect to have from 3 to 5 hours of homework per week. (1 Science credit)

COURSE TITLE: Earth Science

PREREQUISITES: None

GRADE LEVEL: 11 -12

CONTENT: This course concentrates on all aspects of the Earth beginning with theories of formation and thoroughly summarizing the lithosphere, the hydrosphere, and the atmosphere. It is designed to give students a better understanding of the Earth and an appreciation of the forces and cycles, which affect it. The student will develop rational powers of thinking through the science process skills of observing and measuring, classifying experimenting, interpreting communication and modeling. Laboratory science course with content and/or rigor equal to or above Biology and approved for college admission requirements. (1 Science credit)

COURSE TITLE: Environmental Science

PREREQUISITES: None

GRADE LEVEL: 11-12

CONTENT: An ecosystem approach will be utilized to develop the major ecological concepts, environmental complexities and relevant, up-to-date environmental issues. Students will be aware of how environmental degradation is the direct results of human actions which are contrary to natural systems.

Laboratory science course with content and/or rigor equal to or above Biology and approved for college admission requirements. (1 Science credit)

COURSE TITLE: Anatomy and Physiology

PREREQUISITES: Completion of Biology I

GRADE LEVEL: 11 - 12

CONTENT: This course uses topics taught in Biology I with the primary emphasis of study of the components and functions of the human body's organ systems. This course consists of lecture, discussion, note taking, and laboratory work. Dissections are an essential part of the course. The final dissection, fetal pig dissection, will include all organ systems studied. Participation in dissection is a must, as all dissections will be tested by lab practical. You must be willing to participate in the dissections. Laboratory science course with content and/or rigor equal to or above Biology and approved for college admission requirements. (1 Science credit)

COURSE TITLE: Chemistry

PREREQUISITES: Algebra I and II

GRADE LEVEL: 10-12

CONTENT: This course is designed to introduce students to the exciting world of chemistry. Interested students must have a good math background. Matter, scientific measurements, problem solving, atomic structure, periodicity, chemical naming, writing of formulas, mole relationships chemical formulas, writing equations, stoichiometry, states of matter, gas laws, acids and bases will be explored. Students are expected to participate in class discussion and teamed laboratory work. Laboratory science course with content and/or rigor equal to or above Biology and approved for college admission requirements. (1 Science credit)

COURSE TITLE: Pre AP Chemistry

PREREQUISITES: Algebra II

GRADE LEVEL: 10 -12

CONTENT: This course is designed to prepare students to take AP Chemistry. Interested students must have a good math background. This is a fast-paced journey through the basics of the world of chemistry. Stoichiometry, states of matter, thermochemistry, and behavior of electrons, bonding, molecular structures, chemical naming, writing equation, acids, bases, matter, significant figures, dimensional analysis, atomic structure, periodicity, and ionic charges will be covered. Students are expected to participate in class discussion and teamed laboratory work. Expect to have from 3 to 5 hours of homework per week. Laboratory science course with content and/or rigor equal to or above Biology and approved for college admission requirements. (1 Science credit)

COURSE TITLE: Advanced Placement Chemistry

PREREQUISITES: Chemistry I and Algebra II or Pre AP Chemistry

GRADE LEVEL: 11 - 12

CONTENT: This is an advanced chemistry course that is taught on a college level. AP Chemistry provides students with an expansion of the topics discussed in the first year course with more in-depth laboratory work. At the end of AP Chemistry, a student may choose to take an exam for which he/she may possibly receive college credit. Expect to have 3 to 7 hours of homework each week. Laboratory science course with content and/or rigor equal to or above Biology and approved for college admission requirements. Beginning with the 2010 senior class this course will have a 5 point value in the GPA. (1science credit)

COURSE TITLE: Advanced Placement Environmental Science

PREREQUISITES: Pre-AP Biology, Chemistry or Pre-AP Physical Science

GRADE LEVEL: 11 – 12

CONTENT: This course adheres to the objectives set forth in the Course Description for AP Environmental Science, which says it is "designed to be the equivalent of a one-semester introductory college course in the environmental science. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science.

SOCIAL STUDIES

COURSE TITLE: Oklahoma History

PREREQUISITES: None – Will be taken in the same year with World Geography

GRADE LEVEL: 9

CONTENT: In Oklahoma History, the student will examine the people and events that have formed and transformed the landscape and cultures of the place and peoples that have become Oklahoma. The student will examine important political and ideological movements, as well as economic, cultural, and political accomplishments of state, national, and world significance. The learning of Oklahoma History should lead students to link Oklahoma's history to local, national, and global contexts.

(1/2 Social Studies credit)

COURSE TITLE: World Geography (Southern Hemisphere; Southern Asia and Far East and Europe)

PREREQUISITES: None – This course will be taken with Oklahoma History

GRADE LEVEL: 9

CONTENT: Geography is the study of spatial patterns of the human and physical dimensions of the world. Students will explore, describe, analyze, and seek to understand the spatial arrangement of objects and people on Earth's surface. Students will use the skills and tools of geography to examine the world and its inhabitants from a spatial perspective, solve problems of geographic dimensions and make informed decisions based upon solid research. This class does meet OK Promise and/or college entrance requirements.

(1/2 Social Studies credit)

COURSE TITLE: World History

PREREQUISITES: None

GRADE LEVEL: 10

CONTENT: The student will examine the enduring philosophical and religious contributions from the ancient and classical eras to the modern world. The student will examine the impact of the European Renaissance and Reformation, various revolutionary movements, the Industrial Revolution, and the world that the World Wars helped create the transformation of societies in the Post-World War Two Era, and recent contemporary events and issues. (1 Social Studies credit)

COURSE TITLE: Pre-AP World History

PREREQUISITES: None

GRADE LEVEL: 10

CONTENT: The student will examine the enduring philosophical and religious contributions from the ancient and classical eras to the modern world. The student will examine the impact of the European Renaissance and Reformation, various revolutionary movements, the Industrial Revolution, and the world that the World Wars helped create the transformation of societies in the Post-World War Two Era, and recent contemporary events and issues. Student's skills will be assessed in discussion and writing format, the role of various factors in the development of world history. Expect to have 3 to 5 hours of homework each week.

COURSE TITLE: United States History

PREREQUISITES: None

GRADE LEVEL: 11

CONTENT: In United States History, the student will describe and analyze effects of the Reconstruction Era amendments to the United States Constitution, examine the impact of immigration and the settlement of the American West on American society, and evaluate the economic effects of the industrialization and the changing role of the United States in world affairs at the turn of the twentieth

century. The student will also describe the social, cultural, and economic events between the World Wars, investigate and analyze the Great Depression, and the causes, events and effects of World War II, and assess the foreign and domestic policies of the United States since World War II. The student will also examine the 9/11 attacks on New York City and Washington, DC.

(1 Social Studies credit)

COURSE TITLE: AP United States History

PREREQUISITES: Suggested A-B in World History

GRADE LEVEL: 11

CONTENT: Students will analytical skills and actual knowledge necessary to deal critically with the problems and materials in American history. This course will cover from early American Colonial era to the present. The course requires factual knowledge and critical, analytical writing skills that are obtained from extensive outside readings, research, and various classroom activities. Students assess historical materials, their relevance to a given interpretive problem, reliability, and importance. In both oral and written expression, students weigh the evidence and interpretations presented in historical evidence. This class will be taught in the collegiate format and will consider subjects in an advance manner. Speaking and writing are required in class activities. Expect to have 3 to 7 hours of homework each week. The AP exam should be taken in the spring. This course will have a 5-point value in the GPA. (1 Social Studies credit)

COURSE TITLE: American Government

PREREQUISITES: American History

GRADE LEVEL: 12

CONTENT: Students of American government will examine the philosophical foundations of the American republican system, the formation of governmental institutions and practices, and their transformations since the founding era as a basis of preparing students to become informed, responsible, engaged, and literate citizens who are committed to the ideas and values of democracy and use them in their daily lives, as well as make informed decisions about how their government should protect individual liberties and address the common good. (1/2 Social Studies credit)

COURSE TITLE: AP Federal Government

PREREQUISITES: United States History

GRADE LEVEL: 12

CONTENT: Students will examine the basic structure of American Government and the various types of governments. This is a one-year course designed to provide an analytical perspective on government and politics in the United States. (Students who withdraw from the course after the first semester may have to take Government 2nd semester due to not completing all the PASS objectives for the course) The course includes comprehensive study of basic constitutional principles, institutions and policy processes of our national government. The study of political behavior, interest groups, civil rights and civil liberties, Domestic and Foreign policy, state and local government. This class will be taught in the collegiate format and will consider subjects in an advance manner. Speaking and writing are required in class activities. Expect to have 3 to 7 hours of homework each week. The AP exam should be taken in the spring. This course will have a 5-point value in the GPA. (1 Social Studies credit)

SOCIAL STUDIES ELECTIVES

COURSE TITLE: America in the 1960's

PREREQUISITES: None

GRADE LEVEL: 9-12

CONTENT: People on the left and people on the right seem to agree that something happened in the ten years between 1960 and 1969. Some argue that it was a hopeful time, other that it was a destructive time. Historians argue over many issues related to the Sixties, but no issue is more important than when the sixties occurred? Some argue for a literal decade (1960 – 1970), others for s “short sixties” (1964-1968), and still others for a “long sixties” (1954-1975). This class will work within the assumption of a

"long sixties", but will focus most of its attention on the actual events of the decade. The Sixties broadly conceived as a period spanning from the mid-1950's to the early 1970's, saw a dual crisis of political legitimacy and cultural authority. The changes that occurred during this "long sixties" have transformed the United States, and are still evident in many areas of today's culture. In this course we will try to construct a narrative of the 1960's that takes into account the many different experiences of Americans in the era (Right, Left, and Center), and the "Uncivil Wars" that began in this decade as Americans competed to define what freedom meant. Topics to be covered include: JFK Presidency, The Civil Rights Movement, LBJ, The Vietnam War, Sixties Culture, 1968, The Space Race and Nixon Era. This class does meet OK PROMISE and/or college entrance requirements.
(1/2 elective credit)

COURSE TITLE: Civil War and Reconstruction

PREREQUISITES: None

GRADE LEVEL: 9-12

CONTENT: This course describes and analyzes the history of America's greatest crisis and defining period, from its origins in the early nineteenth century through the abandonment of Reconstruction in 1877, with some attention to sectional reconciliation and the various ways in which the crisis is remembered. It interweaves the political, military, social economic and cultural dimensions of this experience in roughly equal proportions, with emphasis on the linkages between them. Students will achieve an understanding of the main developments of the Civil War and Reconstruction era, and the ways in which these developments reflected or period will be studied in great detail, and students will sharpen their skills at critical writing and analysis. This class does meet OK PROMISE and/or college entrance requirements. (1/2 elective credit)

COURSE TITLE: Holocaust

PREREQUISITES: None

GRADE LEVEL: 11 –12

CONTENT: This course is a detailed examination of the programs of persecution and mass murder carried out by the Nazi German regime between 1933 and 1945. Several themes will be prominent throughout the semester. We will examine and seek to understand when and how policies of exclusion can be transformed into a systematic program of murder. In this regard, we will examine not only the development of Nazi Germany as a "racial state," but also the role of ideologies, such as anti-Semitism, nationalism, and racism, in shaping policies of exclusion in Germany and elsewhere in Europe. The events we associate with the Holocaust took place across the continent of Europe and were shaped by local histories; throughout the course, we will pay close attention to the interaction between Germans, Jews, and non-German native populations. We will try to understand how eyewitness memories, historical research, and media representations all shape our contemporary understanding of what the Holocaust was and why it seems so important to us today. This class does meet OK PROMISE and/or college entrance requirements.
(1/2 elective credit)

COURSE TITLE: Psychology

PREREQUISITES: None

GRADE LEVEL: 10 -12

CONTENT: Psychology is the study of human social behavior from an individual perspective including the foundations of psychology as an empirical social science, the structure and functions of the brain, human development, and how individuals adapt to their environment. Students will examine principles of motivation, how a person's culture and society influence the individual, psychological disorders, and the promotion of mental health. This class does NOT meet OK PROMISE and/or college entrance requirements. (1/2 elective credit)

COURSE TITLE: AP Psychology

PREREQUISITES: NONE

GRADE LEVEL: 11 -12

CONTENT: Students are introduced to the discipline of psychology on a collegiate level. Theoretical approaches and research methods are considered. The focus of study is on the brain, the developing person, learning, and memory, human personality, intelligence, psychological disorders, and

therapy. College bound students are encouraged to pursue the AP format. Expect to have 3 to 7 hours of homework each week. This course will have a 5-point value in the GPA. This class does NOT meet OK PROMISE requirements. (1 elective credit)

COURSE TITLE: Sociology

PREREQUISITES: None

GRADE LEVEL: 10 -12

CONTENT: Sociology is the study of human social behavior from a group perspective including recurring patterns of attitudes, actions and reactions, and how these patterns vary in social groups, among cultures, and across time. Students will examine diverse societies, group behavior and social structures, as well as the impact of cultural change on society and using scientific method of sociological thought. As in other social science disciplines, sociology guides students to continue to develop skills in thinking, inquiry and research, and participation in a culturally diverse, democratic society in an interdependent world. This class does NOT meet OK PROMISE and/or college entrance requirements. (1/2 elective credit)

FOREIGN LANGUAGE

COURSE TITLE: Spanish I

PREREQUISITES: Strongly Recommended "C" or better average in English

GRADE LEVEL: 9-12

CONTENT: Basic introduction to Spanish and the Spanish-speaking world. Participants are expected to speak, write, listen and read Spanish daily in class and outside of class at the low novice level of proficiency using vocabulary lists, online sites and additional materials provided by the instructor. The study of a foreign language is a serious effort; therefore there will be outside reading, writing and research assignments relating to basic vocabulary, verb structure and cultural events. By the beginning of the second semester of the course, Spanish will be used more than English. Repetitions of vocabulary and verb drills are the building blocks of this course. Strong verbal skills, both oral and written in English are necessary to maximize student success in this course. By the end of the course, the student should be performing at the mid novice level of proficiency (1elective credit)

COURSE TITLE: Spanish II

PREREQUISITES: Strongly Recommended "C" or better in Spanish I

GRADE LEVEL: 9-12

CONTENT: Student will continue their studies in Spanish with more focus on the countries of the Spanish-speaking world. Participants are expected to speak, write, listen and read Spanish daily in class and outside of class at the mid novice level of proficiency using vocabulary list, online sites, newspaper articles, videos and additional materials provided by the instructor. The study of a foreign language is a serious effort; therefore there will be some outside reading, writing and research assignments relating to basic vocabulary, verb structure and cultural events. Spanish will be the primary language spoken throughout this course. Strong verbal skills, both oral and written in English and in Spanish are necessary to maximize student success in this course. By the end of the course, the student should be performing at the high novice level of proficiency (1elective credit)

COURSE TITLE: Spanish III

PREREQUISITES: Recommended "B" or higher in Spanish II

GRADE LEVEL: 10-12

CONTENT: Student will continue their studies in Spanish with more focus on the various Spanish-speaking countries. Participants are expected to speak, write, listen and read basic Spanish *daily in class and outside of class* at the *high novice level of proficiency* using vocabulary list, online sites, newspaper articles, videos and additional materials provided by the instructor. The study of a foreign language is a serious effort; therefore there will be some outside reading, writing and research assignments relating to basic vocabulary, verb structure and cultural events. *Spanish will be the primary language spoken throughout this course.* Strong verbal skills, both oral and written in English *and in Spanish* are necessary to maximize student success in this course. *By the end of the course, the student should be performing at the intermediate level of proficiency* Expect to have from 3 to 5 hours of homework per week. (1elective credit)

BUSINESS/COMMUNICATIONS

COURSE TITLE: Desktop Publishing

PREREQUISITES: None

GRADE LEVEL: 9 - 12

CONTENT: This course is designed to introduce students to activities that can be accomplished with desktop publishing software packages. Students will design brochures, flyers, pamphlets, logos, business cards, letterhead, and other documentation common to an office setting using Microsoft Publisher software. (1/2 elective credit)

COURSE TITLE: Advanced Desktop Publishing

PREREQUISITES: Desktop Publishing

GRADE LEVEL: 10-12

CONTENT: Students will further explore and develop their skills in desktop publishing, layout and graphic design, with special emphasis on photo enhancement and management. Software programs utilized include Adobe Photoshop Elements, Microsoft Publisher and Microsoft Word.(1/2 elective credit)

COURSE TITLE: Computer Applications IA (Word)

PREREQUISITES: None

GRADE LEVEL: 9–12

CONTENT: This course is one of three Microsoft® Office courses offered. Computer APP1A is designed to teach students word processing skills using Microsoft Word®. These skills will be used to create, revise, and save documents for printing and future retrieval. It will provide you with the basic concepts required to produce basic business documents, tables, reports, and flyers. (1/2 Credit)

COURSE TITLE: Computer Applications IB (Excel)

PREREQUISITES:

GRADE LEVEL: 9–12

CONTENT: This course is one of three Microsoft® Office courses offered. Computer APP1B is designed to teach students spreadsheet skills using Microsoft Excel®. These skills will be used to create and update worksheets, perform calculations within worksheets, format worksheets, create charts, develop and print worksheet contents, and customize your Excel window to preferences. (1/2 Credit)

COURSE TITLE: Computer Applications II

PREREQUISITES: Computer Applications 1A or 1B

GRADE LEVEL: 10–12

CONTENT: This course is one of three Microsoft® Office courses offered. Computer App2 introduces users to the features and advantages of the program-PowerPoint®. Using MS PowerPoint® students learn skills to create and edit presentations, as well as how to format, edit and proof presentation text. These skills will be used to create custom layouts for slides, apply background styles, add speaker notes and copy text and slides between multiple presentations. (1/2 elective credit)

COURSE TITLE: Fundamentals of Web Technology

PREREQUISITES: None

GRADE LEVEL: 10-12

CONTENTS: This course is designed for those who are computer savvy. Basic understanding of computers is a must. This is a comprehensive course that will give students fundamental web authoring skills and design strategies using while learning HTML and some JavaScript. This course is designed to give students a real-world experience of planning and creating information technology, Students will build exciting, and interactive games, web sites, and other media in this class that matches the ever changing landscape of technology. (1/2 elective credit)

COURSE TITLE: Video & Audio Publishing

PREREQUISITE: Successfully completed English Class during the previous year; keyboarding or other computer class.

GRADE LEVEL: 11-12

CONTENTS: This course is designed to introduce students to the concept of media literacy and to provide them with the opportunity to explore a wide range of audio and video production technologies and techniques. It is a technical course supported by a selection of written and oral presentation activities. Students work individually as well as in small teams as they proceed through production exercises and projects. Over the course of the school year they will create an assortment of audio and video production projects. The equipment used will include (digital) video cameras; lights; microphones; computers; and a variety of video production support equipment. Software utilized in the course will introduce students to storyboarding; video editing; digital effects; image manipulation; audio production; electronic music; and stop motion animation.

COURSE TITLE: Computer Science 1

PREREQUISITE: None

GRADE LEVEL: 10-12

CONTENTS: Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology. This class focuses on digital information, the internet and will build coding skills. (1 Technology Credit)

COURSE TITLE: Robotics

PREREQUISITE: None

GRADE LEVEL: 9-12

CONTENTS: This course gives students the opportunity to work with real robots and experience what it feels like to create and program. Students are given the ability to play a large role in the direction in which the robot's mechanics perform. Students get the opportunity to compete in events with other schools around Oklahoma. (1/2 Technology credit)

COURSE TITLE: Engineering Exploration

PREREQUISITES: None

GRADE LEVEL: 9-10

CONTENT: Engineering Exploration (EE) is a high school level course that is appropriate for students who are interested in design and engineering. The major focus of this course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. EE gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. The course assumes no previous knowledge, but students should be concurrently enrolled in college preparatory mathematics and science. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, students use the most current issued 3D solid modeling design software package to help them design solutions to solve proposed problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community.

The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

COURSE TITLE: Engineering Design

PREREQUISITES: None

GRADE LEVEL: 11-12

CONTENT: Engineering Design is a high school-level survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a post-secondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers. Engineering

Design gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem-solving skills based upon engineering concepts. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.

To be successful in Engineering Design, students should be concurrently enrolled in college preparatory mathematics and science. Students will employ engineering and scientific concepts in the solution of engineering design problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

COURSE TITLE: Aviation 1

PREREQUISITES: None

GRADE LEVEL: 9-12

CONTENT: This replaces the flight simulator class, and each class is a full year course. The classes must be taken in order. Students that complete the first 3 courses will have the knowledge to complete the FAA Pilot Knowledge test or the Part 107 Remote Pilot Knowledge test.

This course will provide the foundation for advanced exploration in the areas of flying, aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible.

COURSE TITLE: Aviation 2

PREREQUISITES: Aviation1

GRADE LEVEL: 10-12

In the Introduction to Flight Course, students pursuing the pilot and UAS tracks will take a closer look at the aircraft they may one day operate. Students will begin with an exploration of the types of aircraft in use today before going on to learn how aircraft are made and how they fly. Students will understand how aircraft are categorized, be able to identify their parts, and learn about aircraft construction techniques and materials. They will gain an in-depth understanding of the forces of flight—lift, weight, thrust, and drag—including how to make key calculations. They will then touch on aircraft design, looking at stability, aircraft controls, and maneuvering flight. The course will conclude with a focus on career skills related to these topics.

COURSE TITLE: Aviation 3

PREREQUISITES: Aviation 2

GRADE LEVEL: 11-12

This course is foundational for both manned and unmanned aviation and will prepare students to take either of two Federal Aviation Administration tests: the Private Pilot Knowledge Test or the Part 107 Remote Pilot Knowledge Test. Topics include: pre-flight procedures, airspace, radio communications, aviation phraseology, regulations, airport operations, aviation safety, weather, cockpit management, and emergency procedures.

COURSE TITLE: Aviation 4

PREREQUISITES: Aviation3

GRADE LEVEL: 12

After having prepared for the Private Pilot Knowledge Test and Part 107 Remote Pilot Test in the previous year, students will examine advanced aviation topics and aviation career options. Instrument flight, commercial aviation, and advanced aircraft systems begin the semester. Looking into the future, students will then explore new horizons in the aerospace industry. What might aviation look like five, ten, or 20 years into the future? The focus then turns to business development opportunities in aviation. Finally, students will learn about and conduct different types of research in preparation for their capstone project in the second semester.

The capstone course is the culmination of the student learning experience. The students will work as individuals or in small groups to study and report on an approved aviation topic of their choosing. The goal of this capstone course is to allow students to demonstrate an understanding of a contemporary topic in aviation as it relates to flying. The curriculum will include presentations and activities to help guide student research and project development as well as suggestions for topics or projects that can be adapted to match available resources.

LEADERSHIP

COURSE TITLE: Link Crew Peer Leadership

PREREQUISITES: MUST be a Link Crew Leader for upcoming year

GRADE LEVEL: 11-12

CONTENTS: Link Crew's Peer Leadership Class is an elective course only available to approved juniors and seniors who have been selected as Link Leaders for the upcoming academic year. This class will teach leadership skills as well as facilitate ear-long mentoring opportunities between our link leaders and our ninth grade students. Students enrolled in this class will benefit from intense, creative training and experiences as well as provide a much needed student support system for our most at-risk students on campus: our ninth graders. (1/2 elective credit)

VISUAL ARTS

COURSE TITLE: Art Appreciation

PREREQUISITES: None

GRADE LEVEL: 9-12

CONTENT: This course is an in-depth study of visual Art. Students will look at artist from different time periods and how their work influenced that period in Art. Why are some artists remembered and others forgotten? (1/2 elective credit)

COURSE TITLE: Advanced 9th grade Art

PREREQUISITES: 8th grade Art "A" average strongly recommended

GRADE LEVEL: 9

CONTENT: This will not be a "do your own thing/express yourself" class. In this class students will first work on reinforcing their basic skills in drawing and shading. Students will work from various subject sources: pictures, life drawing, and imagination. Students will work with basic media (pencil, colored pencils, ink, pastels and charcoal) and be introduced to more advanced media as they progress in the class. Advanced media might include: watercolor, acrylics, tempera, airbrush, collage, mixed media, linoleum block printmaking, scratch board, etc. Students will be expected to think creatively and work independently. (1elective credit)

COURSE TITLE: Art - Drawing I

PREREQUISITES: None

GRADE LEVEL: 9 - 12

CONTENT: This art course is designed to provide beginning drawing exercises and projects. Students will learn to draw from direct observation and will be exposed to a variety of drawing media. They will be introduced to the elements and principles of design and will learn to analyze works of art. (1/2 elective credit)

COURSE TITLE: Art - Drawing II

PREREQUISITES: Drawing I or ninth grade advance art

GRADE LEVEL: 10 – 12

CONTENT: This is a more advanced drawing class for students who are seriously committed to the development of their technical drawing skills. Students will draw from observation and will make visual interpretations emphasizing composition and design. Students are required to work from a syllabus in this course. (1/2 elective credit)

COURSE TITLE: Art - Drawing III

PREREQUISITES: Drawing II

GRADE LEVEL: 11 – 12

CONTENT: This is an advanced art class for experienced students who have strong drawing skills, creative ideas, and visual discipline. All work should be original and portfolio quality. Students will work in a variety of media and on various surfaces and should be prepared to do their own matting. Independent decision-making skills are very important in this course. (1/2 elective credit)

COURSE TITLE: Art - Painting I

PREREQUISITES: Drawing I

GRADE LEVEL: 9 – 12

CONTENT: Students must have drawing experience to successfully complete the painting assignments given in the class. Using the elements and principles of design, the students will do exercises and paint original pictures in various media. They will learn basic coloring mixing and color theory and will begin to learn how to analyze works of art. Students will buy their own paint supplies. (1/2 elective credit)

COURSE TITLE: Art - Painting II

PREREQUISITES: Drawing I, 9th grade advanced art, or Painting I

GRADE LEVEL: 10 - 12

CONTENT: This is a more advanced painting class for students who are seriously committed to the development of their painting skills. Students should enter with a good understanding of color mixing and shading. Students will work from still life set-ups and learn more about composition and design. Students will buy some of their own paint supplies. (1/2 elective credit)

COURSE TITLE: Art - Painting III

PREREQUISITES: Drawing II or Painting II

GRADE LEVEL: 11 – 12

CONTENT: This is an advanced art class for students who have strong drawing skills, painting experience in various media, and visual discipline. All work should be original and portfolio quality. Students should be prepared to purchase some of their own supplies and stretch their own canvas. (1/2 elective credit)

COURSE TITLE: 3-D Art

PREREQUISITES: Drawing II or ninth grade advanced art

GRADE LEVEL: 11 - 12

CONTENT: Students will produce a variety of 3 – D art works using various media, (for example cardboard, newspaper, wire, found objects, etc...) in pottery & sculpture compositions. This course requires students to be responsible and mature because of the necessity to work with difficult and expensive materials while maintaining their supplies and cleaning their work areas. Students will get dirty in this particular class. (1/2 elective credit)

COURSE TITLE: Printmaking

PREREQUISITES: Drawing II or ninth grade advanced art

GRADE LEVEL: 10 – 12

CONTENT: This art class is for students with advanced drawing and thinking skills. Students will design and make a variety of original prints, which could possibly include intaglio, linoleum block, woodcut, holograph, monoprint, lithograph, silkscreen, or mixed media prints. Students may get dirty in this particular class. (1/2 elective credit)

COURSE TITLE: 3D Design

PREREQUISITES: Painting I

GRADE LEVEL: 10 – 12

CONTENT: Students will help design, construct, and paint the sets for the AHS Musical. (1/2 elective credit)

COURSE TITLE: 3D Construction

PREREQUISITES: None

GRADE LEVEL: 11-12

CONTENT: This class will investigate and learn about sound and lighting systems as well as help with the building of the sets for the AHS musical. (1/2 elective credit)

COURSE TITLE: Advanced Studio Art

PREREQUISITES: Drawing II or Painting II

GRADE LEVEL: 11 - 12

CONTENT: This course is for the advanced art students who have successfully completed a volume of contest quality work in previous drawing and painting classes and who are now ready to prepare their college art presentation portfolios. Students must be able to think and work independently and creatively on their chosen areas of concentration. Their original work must show a wide range of skills and a variety of subject matter. Any student enrolled in Studio must be willing to complete 15-20 art compositions a semester. Students should be prepared to buy art supplies. They may be required to make and develop slides of their work, write artists statements, and fill out scholarship applications for college. Students are required to finish one major project each week. (1 elective credit)

COURSE TITLE: Portfolio Art

PREREQUISITES: Drawing II or Painting II

GRADE LEVEL: 11 - 12

CONTENT: This course is for advanced students who are planning to pursue a degree in art in college and who have successfully completed a volume of contest and portfolio quality work in previous art classes. AP art students must be committed to working on and completing college level original projects both in and outside of class. To submit portfolio for AP credit 29 quality projects (including 24 slides) must be completed along with artists' statement and other critical paperwork. Students should include in their completed portfolio examples of paintings, drawings, graphic design, and 3 – D art. Students are required to finish one major project each week. (1 elective credit)

INSTRUMENTAL MUSIC

COURSE TITLE: Instrumental Music - Band

PREREQUISITES: Previous Instrumental Music Experience

GRADE LEVEL: 9-12

CONTENT: "That Altus Band" is a performance-oriented class that will focus on a comprehensive instrumental music experience. The marching band will perform at football games, pep assemblies, and parades. It will compete in marching competition at the OSSAA State Marching Contest. Teamwork, dedication, and musicianship are stressed at all times. A winter band concert will be held in mid-December. During concert season, students will be placed in 1 of 2 concert bands by audition. Concert band competitions will be entered. A wide variety of concert literatures will be played. Students will have the opportunity to play in solo and ensemble competitions. Intonation, style and interpretation will be studied. A spring band concert will be held in early May. Some time, outside the regular school day, will be required and attendance at all concerts and performances is required. (1 elective credit)

COURSE TITLE: Applied Music

PREREQUISITES: Previous Instrumental Music Experience

GRADE LEVEL: 9-12

CONTENT: This class is for students who are really serious about their instrument. Students will be required to audition for all-state and all-region and must be enrolled in Band. (1/2 elective credit)

COURSE TITLE: Jazz Band

PREREQUISITES: Previous Instrumental Music Experience

GRADE LEVEL: 9-12

CONTENT: This course is an opportunity for band students desiring to participate in solo, small ensemble and jazz ensemble performances. Students are also required to be enrolled in band the same semester. (1/2 elective credit)

VOCAL MUSIC

COURSE TITLE: Vocal Music I - Treble Choir

PREREQUISITES: None

GRADE LEVEL: 9th Grade Women Only

CONTENT: This women's (SSA) choir will study various styles of choral literature.

Emphasis is placed on higher level choral techniques and basic music literacy. There are several required performances. (1 Fine Art/Humanities Credit)

COURSE TITLE: Vocal Music II - Men's Choir

PREREQUISITES: None

GRADE LEVEL: 9-12

CONTENT: This men's (TTBB) choir will study and perform various styles of choral literature. Emphasis is placed on proper choral technique and basic music literacy. There are several required performances. (1 Fine Art/Humanities Credit)

COURSE TITLE: Vocal Music III – Advanced Treble Choir

PREREQUISITES: None

GRADE LEVEL: 10 – 12

CONTENT: This sixteen voice advanced women's (SSAA) will study and perform various styles of choral literature ranging from classical and contemporary choral standards to pop A Capella styles. Independent musicianship is a must for this class, as the repertoire is collegiate in its difficulty and the students are expected to develop sight reading skills throughout the year. There are several required performance throughout the year. (1 Fine Art/Humanities Credit)

COURSE TITLE: Vocal Music IV - Varsity Chorale

PREREQUISITES: Enrollment by audition

GRADE LEVEL: 10 – 12

CONTENT: This mixed (SSAATTBB) choir is Altus High School's flagship ensemble that studies and performs many types of advanced choral literature. Independent musicianship and a strong work ethic are a must for this class, as the repertoire is collegiate in its difficulty and the students are expected to develop sight-reading skills throughout the year. There are many required performances throughout the year. (1 Fine Art/Humanities Credit)

COURSE TITLE: Vocal Music IV - BluHarmonix

PREREQUISITES: Enrollment by Audition

GRADE LEVEL: 10-12

CONTENT: This mixed (SSAATTBB) ensemble will consist of no more than 20 singers and will study and perform a variety of A Capella styles, ranging from contemporary choral to pop and jazz. Emphasis will be placed on independent musicianship, advanced and extended singing techniques, and sight reading. There are many required performances throughout the year. (1 Fine Art/Humanities Credit)

COURSE TITLE: AP Music Theory

PREREQUISITES:

GRADE LEVEL: 11-12

CONTENT: This class is a college level course that addresses the fundamentals, structure, and architecture of music. Music analysis is explored with an additional emphasis in listening skills and sight-

singing. This course prepares students for the AP Music Theory exam administered by the college board each year. A recent background in music is heavily recommended. (1 Fine Art/Humanities Credit)

COURSE TITLE: Piano Lab

PREREQUISITES: None

GRADE LEVEL: 10-12

CONTENT: This class teaches the basics of piano playing with an emphasis on note reading, rhythm reading, and proper hand techniques utilizing electric keyboards. (1/2 Fine Art/Humanities Credit)

COURSE TITLE: Piano Lab 2

PREREQUISITES: Piano Lab

GRADE LEVEL: 11-12

CONTENT: This class is a continuation of Piano Lab 1 for those who would like to continue to work on their piano skills. Emphasis is on gaining dexterity with the fingers, learning to play in different keys and learning to read music more fluently. Prerequisite is Piano Lab 1 or demonstration of piano skills from a prior learning experience such as private piano study. (1/2 Fine Art/Humanities Credit)

VOCATIONAL AGRICULTURE

COURSE TITLE: 9th Agriculture Leadership

PREREQUISITES: None

GRADE LEVEL: 9th

CONTENT: This course is intended to help students become more successful in life and in the workplace. The curriculum teaches students to learn and enhance personal development and communication skills, to help students select a job, get a job, attain career success and attain any desired leadership positions both in their careers and community. This course helps students gain professional and personal success. (1/2 elective credit)

COURSE TITLE: Agriscience I

PREREQUISITES: None

GRADE LEVEL: 9th – 10th

CONTENT: This course will typically build on instruction in the eighth-grade course though completing the eighth-grade course is not a prerequisite. Introduction to Agriscience is a one-credit, foundational course offered at the ninth-grade level. Course content emphasizes science-based approaches to the agricultural industry, natural resources, animal science, plant/horticulture and soil science, agricultural safety, agribusiness and economic principles, careers, and agricultural mechanics. Supervised experience and FFA are included in the course. Career information and exploration will be parallel with the seven pathways. Students would typically complete this course before enrolling in courses in the career pathways. (1 elective credit)

COURSE TITLE: Agriscience II

PREREQUISITES: Agriscience I

GRADE LEVEL: 10-12

CONTENT: This course is for 10th -12th grades that have not taken Agriscience I. It lays the foundation for introduction into one of the seven pathways. Content includes animal science, plant and soil science, agribusiness and economic principles, and agricultural mechanics. This course is a prerequisite to all upper-level agricultural education courses. (1 elective credit)

COURSE TITLE: Ag Structures

PREREQUISITES: Agriscience I

GRADE LEVEL: 10-12

CONTENT: This is a one-credit course that develops knowledge and skill in planning, constructing and maintaining agricultural structures. Content includes the kinds and importance of structures; personal and occupational safety; sketching, drawing, and plan reading; selection, use and maintenance of hand power tools; laying out structures; placing and finishing concrete and masonry units; lumber and other

wood building materials, including fasteners and hardware; using metal and plastics in structures; framing agricultural buildings; installing plumbing and electrical systems; roofing and ventilation systems; and applying paint and other coatings. FFA and supervised experience will be included as appropriate. (1 elective credit)

COURSE TITLE: Introduction to Animal Science

PREREQUISITES: Agriscience I

GRADE LEVEL: 10-12

CONTENT: The Introduction of Animal Science course is a one-unit course structured to provide a sound foundation for advanced courses. The course is for students interested in learning the fundamentals of science-based animal agriculture. The content includes the importance and scope of agricultural animals, taxonomy, anatomy, physiology, reproduction, nutrition, health and disease management, facilities and equipment, and production practices of popular species. Evaluation, fitting, showing, and marketing are included. Animal ethics and safety are also included. Students will have the opportunity to earn college credit through Western Oklahoma State College. (1 elective credit)

COURSE TITLE: Natural Resources

PREREQUISITES: Agriscience I

GRADE LEVEL: 10-12

CONTENT: Curriculum emphasizes the principles and processes involved in conserving and/or improving of natural resources such as air, water, wildlife, and habitat, forestry, and energy for economic and recreational purposes. Competencies also include the establishment, management, and operation of land for recreational purposes. (1 elective credit)

COURSE TITLE: Agricultural Communications

PREREQUISITES: Agriscience I

GRADE LEVEL: 10-12

CONTENT: This is a one credit course that introduces the broad field of agricultural communications and provides for the development of knowledge and skill in specific areas related to communication theory and practice. Content includes the meaning and process of communication, the role and history of print and electronic media, legal aspects of agricultural communication, news and feature writing in agriculture, news photography, layout and design, and ethics in agricultural communication. Content may also include web design and broadcast journalism in agriculture. Students will be encouraged to begin developing a portfolio in an area of interest such as print media, electronic media, or public relations. FFA and supervised experience will be included as appropriate. **(1 Fine Arts Credit for Speech)**

COURSE TITLE: Agricultural Leadership and Personal Development

PREREQUISITES: Agriscience I & Ag Communications

GRADE LEVEL: 11-12

CONTENT: This course is designed for students with an interest in leadership in agriculture and personal skills development. Content includes leadership theory and attributes, conflict resolution, planning and carrying out meetings, using parliamentary procedure, preparing and making speeches and ethics. (1 elective credit)

COURSE TITLE: Livestock Production

PREREQUISITES: Agriscience I & Animal Science

GRADE LEVEL: 10-12

CONTENT: This course is designed to offer students advanced knowledge in livestock agriculture. Content includes livestock species, biology of species, genetics and breeding, nutrition and feeding, health and disease management. (1 elective credit)

COURSE TITLE: Introduction to Plant and Soil Science

PREREQUISITES: Agriscience I

GRADE LEVEL: 10-12

CONTENT: Introduction to Plant and Soil Science. A one-credit course, Introduction to Plant and Soil Science is the first course in the pathway in schools with an agronomic crop emphasis. It is for students who wish to develop knowledge and skills in plant and soil science and may be a prerequisite to other

courses in the Plant and Soil Science pathway. Content includes species and importance of plant crops, plants as living organisms, sexual and asexual reproduction, plant growth, and cultural practices in plant crop production, including disease and pest management. Content of soil includes the meaning, composition, and importance of soil as well as fertility and sustainability. Irrigation may be included in the course. FFA and supervised experience will be included as appropriate. Students will have the opportunity to earn college credit through Western Oklahoma State College. (1 elective credit)

COURSE TITLE: Introduction to Horticulture

PREREQUISITES: Agriscience I

GRADE LEVEL: 10-12

CONTENT: Introduction to Horticulture is a one-credit course that is offered as the first course in the pathway in schools with a horticultural emphasis. It is for students who wish to develop knowledge and skills related to ornamental horticulture, including floristry, landscaping, turf, and greenhouse production. Content includes species and importance of horticultural plants, plant safety, plants as living organisms, sexual and asexual reproduction, plant growth, and cultural practices, including the use of greenhouses and other growing structures. Disease and pest management, plant nutrition, and growth regulation are included. FFA and supervised experience are included as appropriate. (1 elective credit)

COURSE TITLE: Landscape and Nursery Production

PREREQUISITES: Intro to Horticulture

GRADE LEVEL: 11-12

CONTENT: This is a one-credit course for students with interests in acquiring knowledge and skill in landscape design and installation, including maintenance, and the production of nursery stock. Content includes the importance of the landscape industry, landscape safety, materials used in landscaping, principles of design, xeriscaping, nursery production in fields and containers, plant nutrition and fertilization, irrigation, and pruning and otherwise managing nursery and landscape materials. Fundamentals of landscape and nursery business management will also be included. (1 elective credit)

COURSE TITLE: Wildlife Science and Management

PREREQUISITES: Intro to Natural Resources

GRADE LEVEL: 10-12

CONTENT: Wildlife Science and Management is a one-credit course for students interested in wildlife and its conservation and ecology as well as enjoying wildlife through sport hunting and fishing. Course content includes meaning and importance of wildlife species, history of wildlife conservation, safety with wildlife, species identification, endangered species, wildlife biology and ecology, habitat protection and establishment, protection of wildlife (animals, plants, and other species), legal regulations, and hunter safety. FFA and supervised experience will be included as appropriate. (1 elective credit)

COURSE TITLE: Introduction to Power & Technology

PREREQUISITES: Agriscience I

GRADE LEVEL: 10-12

CONTENT: This is a one-credit course to develop knowledge and skill in the fundamentals of agricultural mechanics and power equipment. Physical science and mathematics principles will be integrated throughout the course. Major areas of content include the meaning and importance of agricultural mechanics and power; personal and employability safety; identifying, using, and maintaining common hand and power tools; planning and organizing facilities and shops; using measuring devices; selecting and using wood, metal, and plastics materials; using hardware; preparing and using simple project plans; metal and plastics fabrication; concrete technology; electricity; plumbing; paint and other coating materials; and machinery and engines. FFA and supervised experience will also be included as appropriate. (1 elective credit)

COURSE TITLE: Agricultural Power and Technology

PREREQUISITES: Intro to Power & Technology

GRADE LEVEL: 11-12

CONTENT: This is a one-credit course that builds upon the Introduction to Agricultural Mechanics and Power course. It is for students who wish to develop knowledge and skill in tractors, implements, engines, and related technologies. Major content includes meaning and use of agricultural power; personal and

occupational safety; kinds, uses, and maintenance of agricultural tractors; kinds and uses of crop production equipment (including tillage, planting, application, and harvesting equipment) and irrigation equipment; internal combustion engine principles and maintenance, including those using gasoline, diesel, and alternative fuels; tractor power trains; electronics, including sensors, controllers, and onboard computers; and electric motors. FFA and supervised experience will also be included as appropriate. (1 elective credit)

VOCATIONAL FAMILY AND CONSUMER SCIENCE

COURSE TITLE: FACS Basic A

PREREQUISITES: None

GRADE LEVEL: 9-12

CONTENT: Family and Consumer Sciences IA 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: health and safety procedures related to child care; family and individual health; nutrition and food selection; meal planning, preparation, and service; and career skills. Upon completion of this course, the student should have developed basic life skills that promote a positive influence on the quality of life. Student leadership through Family, Career and Community Leaders of America (FCCLA), is an integral part of this course. (1/2 elective credit)

COURSE TITLE: FACS Basic B

PREREQUISITES: None

GRADE LEVEL: 9-12

CONTENT: Family and Consumer Sciences IB 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: relationships; arrangement of personal living space; wardrobe planning and selection; garment care and construction; money management; and consumer education. Upon completion of this course, the student should have developed basic life skills that promote a positive influence on the quality of life. Student leadership through Family, Career and Community Leaders of America (FCCLA), is an integral part of this course. (1/2 elective credit)

COURSE TITLE: Textiles and Apparel Assembly I

PREREQUISITES: None

GRADE LEVEL: 10 - 12

CONTENT: A specialized course designed to prepare students to apply fundamental principles in selecting, designing, and producing of apparel and textile projects. Instruction will focus on sewing techniques, pattern manipulation, the operation of various sewing machines, and analyze career options within the textiles and apparel design industry. Students will have the opportunity to demonstrate leadership, citizenship, and teamwork skills required for success in the family, workplace, and global community through FCCLA. (1/2 Elective Credit)

COURSE TITLE: Food Preparation and Nutrition I

PREREQUISITES: None

GRADE LEVEL: 10 - 12

CONTENT: This is a specialized course designed to prepare students to make important decisions regarding nutrition and wellness with assurance and competence. Topics will include the impact of daily nutrition choices on long-term health and wellness; the physical, social, and physiological aspects of healthy nutrition and wellness choices; selection and preparation of nutritious meals and snacks based on USDA Dietary Guidelines including the Food Guide Pyramid; safety and sanitation processes and issues associated with nutrition and wellness; and career exploration in the nutrition and food industries. Laboratory experiences will be a major component of the course. (1/2 elective credit)

COURSE TITLE: Food Preparation and Nutrition II

PREREQUISITES: Food Prep and Nutrition I

GRADE LEVEL: 10 - 12

CONTENT: This is a sequential course that builds on the concepts taught in Food Preparation and Nutrition I. Topics will include more complex concepts in foods and nutrition including a study of international and cultural foods; meal planning and preparation for specific economic, psychological, and nutritional needs; advanced impacts of science and technology on nutrition, food, and related equipment; specific food preparations including baking and catering; and exploring community and world food concerns as well as the "green" impact of the food industry. Laboratory experiences with advanced application will be a major component of the course. (1/2 elective credit)

COURSE TITLE: Housing and Design I

PREREQUISITES: None

GRADE LEVEL: 10 - 12

CONTENT: Housing and Home Environments I is a specialized course designed to prepare students to understand the influences affecting housing decisions. Instruction will focus on the social and psychological aspects of housing, housing trends and issues, the application of design principles to the living environment, home furnishings and equipment, and home care and maintenance. (1/2 elective credit)

COURSE TITLE: Housing and Design II

PREREQUISITES: None

GRADE LEVEL: 10 - 12

CONTENT: Housing and Home Environments II is a specialized course designed to prepare students to understand the influences affecting both residential and commercial decisions. This course is a continuation of Housing and Home Environments I, but does not require I as a prerequisite for the course. Instruction will focus on space planning and functionality, finishing materials, furniture styles and functions, design and presentation. (1/2 elective credit)

COURSE TITLE: Marriage and Family Life

PREREQUISITES: None

GRADE LEVEL: 10 - 12

CONTENT: This course is designed to provide knowledge of family life and factors that influence lifestyles and decisions. Attention is focused on marriage and family skills, life choices, and parenthood and family changes. Marriage and Family Life is intended as the basic course from which students gain the knowledge to develop relationships effectively and deal with the many relationships that are a part of everyday life. (1/2 elective credit)

COURSE TITLE: Parenting and Child Development

PREREQUISITES: None

GRADE LEVEL: 10 - 12

CONTENT: This course is designed to provide basic knowledge of child development and to develop skills necessary to care for children and promote children's development. Students also examine theorists, child health, first aid and nutrition. Students should have opportunities to guide children's behavior and meet the needs of special age groups. Careers in early childhood care and education are explored. This course requires student to take care of a Real Care Baby for one weekend. (1/2 elective credit)

COURSE TITLE: Personal Financial Literacy

PREREQUISITES: None

GRADE LEVEL: 9 - 12

CONTENT: This course offers an in-depth study on consumer rights, responsibilities, and privileges. Attention is focused on the importance of financial management and consumer awareness. This course incorporates all of the Personal Financial Literacy PASS objectives required by the state of Oklahoma. Career opportunities in consumerism are also explored. (1/2 elective credit)

COURSE TITLE: Chemistry of Foods

PREREQUISITES: None

GRADE LEVEL: 10 – 12

CONTENT: This course focuses on chemistry as it relates to food. Emphasis is on lab activities that focus on chemistry principles and scientific method. Topics include safety in the lab, basic principles of chemistry, properties of water, acids and bases, enzymes and food preparations, additives and preservation, nutrition and body, healthy food choices, handling and storing food, baking principles, using recipes, proteins, milk and dairy products, fruits and vegetables, grains and legumes, lipids, public health issues including bioterrorism and exploration of food science careers. (1 Elective Credit)

COURSE TITLE: Successful Adulthood: Surviving and Thriving (Life skills)

PREREQUISITES: None

GRADE LEVEL: 10 – 12

CONTENT: This is a one-semester course designed to provide students with information and skills in making decisions as they transition from high school to college, job or career. Emphasis is on communication skills, understanding self, leisure activities, etiquette, personal safety, understanding grief and loss, making healthy food choices, and food preparation. Student leadership through Family, Career and Community Leaders of America (FCCLA), is an integral part of this course. (1/2 Elective Credit)

PHYSICAL EDUCATION

COURSE TITLE: Health

PREREQUISITES: None

GRADE LEVEL: 9 - 12

CONTENT: This course is designed to promote positive attitudes, consistent positive behaviors, and good decision making skills. The effects will be health maintenance and long-range prevention of disease. This is a complete study of the human body. (1/2 elective credit)

COURSE TITLE: Aerobics

PREREQUISITES: None

GRADE LEVEL: 9 – 12 (Activity Course)

CONTENT: Skills and training in aerobic exercises for flexibility, muscle strength, and cardiovascular fitness including monitoring pulse. Activity course. (1/2 elective credit)

COURSE TITLE: Individual Sports

PREREQUISITES: None

GRADE LEVEL: 9 - 12 (Activity Course)

CONTENT: Instruction and practice in rules, skills, and strategies of individual sports. (1/2 elective credit)

COURSE TITLE: Team Sports

PREREQUISITES: None

GRADE LEVEL: 9 – 12 (Activity Course)

CONTENT: Rules, skills, strategies, and practice of selected team sports for integration into daily life. (1/2 elective credit)

COURSE TITLE: Basic Athletic Training

PREREQUISITES: None

GRADE LEVEL: 9 - 12

CONTENT: The purpose of this course is for students to learn the fundamental concepts and procedures in the field of Athletic Training. This beginning course covers topics including: identifying a sports medicine team, identification of sports injuries, legal concepts of sports medicine, medical terminology, athletic training administration, taping, bracing, and basic treatment rehabilitation practices. (1/2 elective credit)

COURSE TITLE: Basic Athletic Training II

PREREQUISITES: Basic Athletic Training, Recommend "B" or higher

RECOMMENDATIONS: Instructor Permission is required for enrollment in course

GRADE LEVEL: 10- 12

CONTENT: The purpose of this course is to further the knowledge and skills of Athletic Training students who have shown an interest in the fields of sports medicine. The course will be clinically instructed and evaluated on the application of selected skills and techniques athletic training administration, on-the-field and off-the-field injury care, clinical anatomy, clinical evaluation, rehabilitation, pharmacology, prevention, assessment, management of sport-related injuries, CPR-AED certification, basic first aid certification, taping techniques and bracing. (1 elective credit)

COURSE TITLE: Advanced Athletic Training

PREREQUISITES: Basic Athletic Training II

RECOMMENDATIONS: Instructor Permission is required for enrollment in course

GRADE LEVEL: 11 - 12

CONTENT: The purpose of this course is to further the knowledge and skills of athletic training students who have shown an interest and have applied to the ATEP program. This course will be clinically instructed and evaluated on the application of selected skills and techniques related to the prevention, assessment, and management of sports related injuries. The student will be expected to apply clinical skills learning during this course in his/her field experience (practices, games, & tournaments). Applications of skills will aid in the development and mastery of the entry-level clinical competencies and proficiencies. After school participation is required. (1 Elective Credit)

COURSE TITLE: Archery

PREREQUISITES:

GRADE LEVEL: 10 - 12

CONTENT: This course is designed for the beginning or novice archer and uses recurve indoor target bows and equipment. The purpose of the course is to introduce students to the basic techniques of indoor target archery emphasizing the care and use of equipment, range safety, stance and shooting techniques, scoring and competition.

TEAM SPORTS

Basketball - Year

Baseball – Second Semester

Cheerleading - Year

Cross Country – First Semester

Football - Year

Golf – Second Semester

Soccer – Second Semester

Softball – First Semester

Swimming - Year

Tennis – Second Semester

Track – Second Semester

Volleyball- First Semester

Powerlifting - Winter

Wrestling - Year