

## **English I**

**Grade: 9**

**Prerequisite: None**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** An introduction to literature written by authors from around the world. A large emphasis is also put on grammar and writing. In this course, learners begin to explore and develop different writing styles and formats.

## **English II**

**Grade: 10**

**Prerequisite: English I**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** A continuation of literature written by authors from around the world. An emphasis is still put on grammar and writing. In this course, learners should have a grasp of certain writing styles and formats (e.g. MLA) and be prepared to expand on these

## **English III**

**Grade: 11**

**Prerequisite: English I and II**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** An in depth look at American literature from before European settlers arrived to present-day contemporaries. The emphasis of this course is critical thinking skills and MLA formatted writing. Learners build upon skills learned in previous courses and expand their thinking about many topics. Learners also begin developing knowledge of APA formatted writing. Pre-requisite: English I and II

## **English IV**

**Grade: 12**

**Prerequisite: English I, II, and III.**

**Credit: 1 (2 consecutive semesters)**

Course Description: An in depth look at British and World literature (from about 500 to Present). The emphasis of this course is to expand on the critical thinking and writing formats learned in previous courses. Learners explore writing that is difficult to comprehend due to the language of the time in which it was written and expand their knowledge of both MLA and APA writing styles.

### **Drama/Theatre Arts**

**Grade: 9,10,11,12**

**Prerequisite: Preference to upper class if full, limit of 20 students.**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** An introduction to the different arenas of theatre arts. The emphasis of this course is for learners to develop a knowledge base of the performing arts. Learners will study theatre history, stage craft work, film making, play writing, play production, and develop their own talents. Class limited to 20 students.

### **Algebra 1**

**Grade: 9th**

**Prerequisite: Pre- Algebra**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Algebra 1 is a foundational course for success in future math courses in high school and college as well as success in working at many jobs in the future. The student will learn problem-solving, statistics, solving equations, exponents, graphing and solving linear and quadratic functions in a coordinate plane, graphical estimation and basic function notation.

### **Geometry**

**Grade: 10th**

**Prerequisite: Algebra 1**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** The geometry course of study develops geometric skills, concepts, the ability to construct formal logical arguments, proofs in geometric settings, and problems. The course weighs heavily on plane or Euclidean geometry; however, course pacing allows time for placing special emphasis on coordinate geometry and its transformations. Instruction in establishing the validity of assertions through logical

deductions is an important aspect of study as the teacher impress upon the students that central to the study of geometry is the mathematical correctness of the argument.

## **Algebra 2**

**Grade: 11th**

**Prerequisite: Geometry**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Algebra II includes a study of the real number system; first degree equations and inequalities; polynomial functions including higher order equations and inequalities; rational algebraic expressions and fractional equations; complex numbers; functions; logarithms; problem solving techniques; applications of algebra in the areas of data analysis; probability; matrices; sequences and series; trigonometric ratios; trig functions; trigonometric graphs, identities, and equations.

## **Pre-Calculus/Trigonometry**

**Grade: 12th**

**Prerequisite: Algebra 2**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** This course is designed to cover topics in Algebra ranging from polynomial, rational, and exponential functions to conic sections. Trigonometry concepts such as Law of Sine's and Cosines, identities, radian measures etc. Students will then begin analytic geometry and calculus concepts such as limits, derivatives, and integrals. This class is important for any student planning to take a college algebra or

## **College Algebra**

**Grade: 12th**

**Prerequisite: Algebra 2**

**Course Description:** Includes a brief review of intermediate algebra, equations and inequalities, functions and their graphs, exponential and logarithmic functions, linear and nonlinear systems, selection of topics among graphing of the conic sections, introduction to sequences and series, permutations and combinations, the binomial theorem and theory of equations.

### **Earth Science (Lab)**

**Grade level: 9+**

**Prerequisite: None**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Students will be introduced to some of the "big ideas" in Earth Science: Types of Rocks, History of the Earth, Components of the Atmosphere, Weather and Climate, Biogeochemical Cycles and Earth in Space

### **Biology (Lab)**

**Grade level: 10+**

**Prerequisite: Completed Earth Science**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Students will be introduced to some of the "big ideas" in Life Science: Molecules of Life, Cellular Transport, Metabolic pathways, Genetics and descent with modification

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### **Physical Science (Lab)**

**Grade level: 11+**

**Prerequisite: Completed Algebra II, Earth Science, and Life Science**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Students will be introduced to some of the big ideas in chemistry and physics: Structure of the Atom, Behavior of electrons, Major Classifications of elements, basic types of matter/chemical bonds, basic dimensional analysis/reaction balancing/stoichiometry, Laws of Motion, Types of Energy, transformations of energy and why you should wear your seat-belt

### **Anatomy and Physiology**

**Grade level: 11+**

**Prerequisite: Completed Earth, Life and Physical Science**

**Credits: 1 (2 consecutive semesters)**

**Course Description:** Students will look at interactions between systems of the human body and learn how they work together to promote homeostasis of the entire human organism: Bones/Muscles, Respiratory/cardiovascular, Digestive/Excretory and Nervous/Endocrine systems.

### **Physics**

**Grade level: 11+**

**Prerequisites: Completed Physical Science**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Observe, explain, and predict natural phenomena governed by Newton's laws of motion, acknowledging the limitations of their application to very small or very fast objects. Apply an understanding that energy exists in various forms, and its transformation and conservation occur in processes that are predictable and measurable

### **Chemistry**

**Grade level: 11+**

**Prerequisite: Completed Physical Science**

**Course Description:** Apply an understanding of atomic and molecular structure to explain the properties of matter, and predict outcomes of chemical and nuclear reactions

### **World History/Geography Course Description**

**Grade: 9**

**Prerequisites: None**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Survey of world history from prehistoric to modern times with a focus on the key developments and events that have shaped civilization across time. The course is organized chronologically, and regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. Also including, geography concepts and skills within the context of the historical narrative. Students analyze primary sources and maps, create timelines, and complete other projects—practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history.

### **US History**

**Grade: 10**

**Prerequisite: World History/Geography**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Begins with analysis of the origins of the American nation in the Founding Era and the Civil War. Then concentrates on the emergence of the modern era from the beginnings of the Industrial Revolution in 1870 to the fall of communism in 1989 and into the present. Prepares students to grapple with fundamental questions concerning the history of the United States from the proper role of government in a representative democracy to the role of social movements in shaping the character of the American experience. Close attention will be paid to the role of America in world affairs as well as examining how the economic conditions and policies have shaped the response of government and ordinary citizens alike. At the conclusion of the course, students will have a ready command of the details of American history.

### **American Government Course Description**

**Grade: 11, 12**

**Prerequisite: World History/Geography and US History**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Introduction to the fundamentals of government on the national, state and local levels. Focusing on the three branches of government, rights and

responsibilities of American citizenship, and the development and role of political parties with a look at Foreign Policy and areas of ongoing conflict around the world.

### **STEM Energy**

**Grade Level: 9,10,11,12**

**Prerequisite: None**

**Credit: 1(2 consecutive semesters)**

**Course Description:** This course will cover the basics of AC and DC Electricity including circuits, resistance, volts, amps, power and generating electricity. We will also cover the basics of residential home wiring. A significant portion of our time will be spent completing hands on projects. The second semester will cover the basics of wind and solar power generation with a significant portion of time being spent completing hands on projects.

### **STEM Design and Manufacturing**

**Grade Level: 9,10,11,12**

**Prerequisite: Geometry**

**Credit: 1(2 consecutive semesters)**

Expose students to the basics of computer aided design. Students will learn how to design basic shapes and items and will use this knowledge to complete a project of their choosing (must meet certain criteria). The second semester will cover some of the basic manufacturing processes used throughout the world today. We will build our own foundry, melt aluminum, make mold positives and pour molten aluminum to create castings. We will also learn the basics of welding and metal fabrication.

### **Physical Education**

**Grade Level: 9,10,11,12**

**Prerequisite: None**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Focus on personal health with emphasis on health-related fitness including exercise, cardiovascular, body composition, strength, endurance, and flexibility. Fitness activities based on student fitness level. Individual and field activities will promote the development of lifetime fitness leisure skills. This course can be repeated for credit.

### **High School Choir**

**Grade Level: 9,10,11,12**

**Prerequisite: None**

**Credit: 1 (2 consecutive semesters) Course Description:** Students will sing choral music from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music theory, and music history. Choir students are expected to participate in a winter concert in the 1st semester and a spring concert in the 2nd semester as part of their grade. Other optional performance opportunities include but are not limited to the annual choral festival in the fall, Honor Choir (audition only), All-State Choir (audition only), Solo and Ensemble contests, and various festivals available through CSU and ASU.

### **High School Band**

**Grade Level: 9,10,11,12**

**Prerequisite: None**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Students will perform music from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes the basics of playing technique, sight-reading, music theory, and music history. The fall semester focuses on marching and pep band music. Students are expected to march in the Homecoming Parade and to perform at any athletic events required by the instructor. In addition, students are expected to participate in a winter concert at the end of the 1st semester as a part of their grade. The spring semester focuses on concert band music and students are expected to participate in a spring concert at the end of the 2nd semester. Other optional performance opportunities include but are not limited to Honor Band (audition only), All-State Band (audition only), Solo and Ensemble contests, and various festivals available through CSU and ASU.

### **General Art**

**Grade: 9, 10, 11, 12**

**Prerequisite: None**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Beginning art class covering the basic concepts and disciplines found in visual arts. Students will learn how to draw and paint, use and understand perspective and color theory, and be taught how create art using prints and if available



digital art. Media used will include pencil, acrylic paint, printing ink, and various digital programs. We will also do a unit in ceramics and be creating an abstract sculpture.

### **Advanced Art**

**Grade: 10, 11, 12**

**Prerequisite: General Art**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** This is a second year art course that allows students to use skills learned in General Art in a more advanced and personal way. Students will look at line and negative space, the use of light and shadow within their art, as well as figure drawing. Students will also have the ability to help structure two of their units around art subjects and media that they have a personal interest. Students will be required to keep a personal sketchbook and work independently at times.

### **Leadership and Personal Finance**

**Grade Level: 9,10,11,12**

**Prerequisites: None**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Through the examination and application of leadership theory and methods, students will learn the skills necessary to be successful in leadership roles. Topics explored are goal setting, project planning, time management, communication skills, 46 problem solving, group dynamics, and leadership styles. Through the use of hands on learning activities, students will develop an awareness and appreciation for the role and responsibilities of effective leadership in our society. Second semester Personal Finance introduces understanding and managing personal finances as the key to one's future financial success. Students will learn to apply decision making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

### **Computer Application and Digital Design**

**Grade Level: 9,10,11,12**

**Prerequisite: None**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** This course introduces students to information and communication technology in a business environment and builds a foundation of digital literacy skills necessary for success in a technologically driven society. Students will develop word processing, spreadsheet, database, desktop publishing, presentation software, and website design skills. Throughout the course, there is an emphasis on digital literacy, effective electronic research and communication skills, and current issues related to the impact of information and communication technology. The second semester will expand your skills by using computer programs for web page creation, desktop publishing, drawing, and on-screen presentations.

### **Business and Marketing Essentials**

**Grade Level: 10, 11, 12**

**Prerequisites: None**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information and communication technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives. Second semester Marketing Essentials is a project based business course that develops student understanding and skills in the functional areas of marketing: channel management, marketing information management, market planning, pricing, product/service management, promotion, and selling. Students acquire an understanding and appreciation of each of the marketing functions and their ethical and legal issues.

### **Principles of Entrepreneurship**

**Grade Level: 11, 12**

**Prerequisites: Business and Marketing Essentials**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** The Entrepreneurship Program introduces students to the exciting world of creating and owning their own business. Students will learn concepts and techniques for planning an innovative business and living the entrepreneurial lifestyle. With “learning by doing” as the goal, students will write a business plan for business of their choice.

## **Yearbook and Economics**

**Grade Level: 11, 12**

**Prerequisite: None**

**Credit: 1 (2 consecutive semesters)**

**Course Description:** Develop and create yearbook for the first semester. Second semester will prepare students to master fundamental economic concepts, applying the tools (graphs, statistics, equations) from other subject areas to the understanding of operations and institutions of economic systems. Students will study the basic economic principles of micro and macroeconomics, international economics, comparative economics systems, measurement and methods.

## **Transition Skills**

**Grades: 9-12**

**Prerequisite: Administrative approval or IEP**

**Credit: .5 (one semester)**

**Course Description:** Students will be provided with instruction/support needed to develop their ICAPs. (Individual Career/Academic Plan) Students will be provided with instruction to develop job-readiness skills. Students will be provided with academic support for their existing classes.

## **Guided Learning (Credit Recovery)**

**Grades: 9-12**

**Prerequisite: Administrative approval or IEP**

**Credit: No credit for class time. .5 credit given upon completion/passing of each semester of recovered course.**

**Course Description:** Students will be provided with support on credit recovery courses. (Alternate and/or online courses)