

## **English**

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### **English 9** a-g approved

online /full trimester/ A = 5 credits, B = 5 credits

In this course, the emphases are on components of standard paragraphs, thesis statements, essay writing and evaluation, and interpretations of selected fiction and nonfiction readings that cross curriculum. Exercises in vocabulary and writing mechanics explore figurative and descriptive language. The student develops grade level expository and descriptive essays.

### **English 9 (Fundamental)** Non college prep

online/ full trimester/ A = 5 credits, B = 5 credits

This course uses Character Based Literacy based on five "value them units that use a wise variety of recommended readings and support materials to meet the Language Arts Standards", build literacy skills and positive social thoughts, values, and behaviors. It is designed to produce knowledge, skills and character.

### **English 9 Direct** Non college prep

Hybrid (on-campus meetings with online component)/full trimester /A = 5 credits, B = 5 credits

This course uses Character Based Literacy based on five "value them units that use a wise variety of recommended readings and support materials to meet the Language Arts Standards", build literacy skills and positive social thoughts, values, and behaviors. It is designed to produce knowledge, skills and character. This course requires weekly on-campus meetings.

### **English 10** a-g approved

online /full trimester /A = 5 credits, B = 5 credits

This course is a research based writing and critical analysis of literature through essay writing and various short answers. Students will gain a full range of English skills, competent writing and reading, mechanics of language, vocabulary development, analysis and reasoning skills, research techniques, correct grammar/punctuation and spelling.

### **English 10 (Fundamental)** Non college prep

online /full trimester /A = 5 credits, B = 5 credits

This course uses Character Based Literacy based on five "value them units that use a wise variety of recommended readings and support materials to meet the Language Arts Standards", build literacy skills and positive social thoughts, values, and behaviors. It is designed to produce knowledge, skills and character.

### **English10 Direct** Non college prep

Hybrid (on-campus meetings with online component) / full trimester /A = 5 credits, B = 5 credits

This course uses Character Based Literacy based on five "value them units that use a wise variety of recommended readings and support materials to meet the Language Arts Standards", build literacy skills and positive social thoughts, values, and behaviors. It is designed to produce knowledge, skills and character. This course requires weekly on-campus meetings.

### **English 11** a-g approved

Online/full trimester /A = 5 credits, B = 5 credits

This course helps students become skilled readers of American Literature from a variety of periods, disciplines, and rhetorical context, to become skilled writers who can compose for a variety of purposes. Students gain a general understanding of American Literature from its earliest beginnings through the modern era and be familiar with the literary development, themes, and styles of American authors. Also covered is how the conventions and resources of language contribute to effectiveness in writing.

**English 11 (Fundamental) Non college prep**

Online/full trimester /A = 5 credits, B = 5 credits

This course uses Character Based Literacy based on five "value them units that use a wise variety of recommended readings and support materials to meet the Language Arts Standards", build literacy skills and positive social thoughts, values, and behaviors. It is designed to produce knowledge, skills and character.

**English 11 Direct Non college prep**

Hybrid (on-campus meetings with online component)/ full trimester/A = 5 credits, B = 5 credits

This course uses Character Based Literacy based on five "value them units that use a wise variety of recommended readings and support materials to meet the Language Arts Standards", build literacy skills and positive social thoughts, values, and behaviors. It is designed to produce knowledge, skills and character.

This course requires weekly on-campus meetings.

**English 12 a-g approved**

Online/full trimester /A = 5 credits, B = 5 credits

This course will include English literature, writing various research papers, reports, essays, analysis and journal entries. Students will write with standard English convention, appropriate manuscript requirements, including integration of source, support and citations using clear research and an understanding of the elements of discourse. Students will display reading comprehension, enhance their vocabulary development.

**English 12 (Fundamental) Non college prep**

Online/ full trimester /A = 5 credits, B = 5 credits

This course uses Character Based Literacy based on five "value them units that use a wise variety of recommended readings and support materials to meet the Language Arts Standards", build literacy skills and positive social thoughts, values, and behaviors. It is designed to produce knowledge, skills and character.

**English 12 Direct Non college prep**

Hybrid (on-campus meetings with online component)/full trimester /A = 5 credits, B = 5 credits

This course uses Character Based Literacy based on five "value them units that use a wise variety of recommended readings and support materials to meet the Language Arts Standards", build literacy skills and positive social thoughts, values, and behaviors. It is designed to produce knowledge, skills and character.

This course requires weekly on-campus meetings.

**Social Science****World History Cultures Geography**

a-g approved

Spring semester only

Online/ full trimester/A = 5 credits, B = 5 credits

The study of this course covers the major turning points from the late 18<sup>th</sup> century through present day. It includes the cause, effect, and course of two world wars, the rise of democratic ideas, the historical roots of current world issues, and considers multiple accounts of events of international relations from various perspectives. There is also a geography/map component to this course.

**World History Cultures Geography (Fundamental) Non college prep**

Spring semester only

Online/full trimester/A = 5 credits, B = 5 credits

Students study turning points in the modern world from the 18th century through present, including the cause of two world wars, the rise of democratic ideas, the historical roots of current world issues especially in international relations. They will understand current world issues and relate them to historical, geographical, political, economic and culture contexts from a variety of perspectives.

**World History Cultures Geography Direct**

Non college prep

Spring semester only

Hybrid (on-campus meetings with online component)/full trimester/A = 5 credits, B = 5 credits

Students study turning points in the modern world from the 18th century through present, including the cause of two world wars, the rise of democratic ideas, the historical roots of current world issues especially in international relations. They will understand current world issues and relate them to historical, geographical, political, economic and culture contexts from a variety of perspectives. Weekly on-campus meetings required.

**US History** a-g approved

Spring semester only

Online/full trimester/10 credits

This course covers major turning points in American history in the 20th century. Students review the nation's beginnings, study industrialization pertaining to emergence/impact of new technology & a corporate economy, learn about the social/cultural effects. Changing ethnic composition of American society; the movement toward equal rights for minorities/women; and the role of the U.S. as a major world power will be covered.

**US History (Fundamental)** Non college prep

Spring semester only

Online/full trimester/ 10 credits

In this course students will analyze the events in the founding of the nation, the philosophy of government as described in the Declaration of Independence, the relationship of industrialization, rural-to-urban migration and the immigration from southern & Eastern Europe. Students will analyze the role of religion in founding America and trace the US as its role as world Power.

**US History Direct** Non college prep

Spring semester only

Hybrid (on-campus meetings with online component)/ full trimester/10 credits

In this course students will analyze the events in the founding of the nation, the philosophy of government as described in the Declaration of Independence, the relationship of industrialization, rural-to-urban migration and the immigration from southern & Eastern Europe. Students will analyze the role of religion in founding America and trace the US as its role as world Power. Weekly on-campus meetings required.

**Government** a-g approved

Online/full trimester/5 credits

Students will pursue an understanding of the American government, compare systems of government in the world today, analyze history and changing interpretations of the Constitution, Bill of Rights and historical documents such as the Federalist Papers. Students will analyze relationship among federal, state and local governments and the current state of the legislative, executive, and judiciary branches of government.

**Government (Fundamental)** Non college prep

Online/full trimester/ 5 credits

In this course students are introduced to the principles of government; the functions, processes, and powers of the branches of government, the course system and the national, state, and local government roles.

**Government Direct** Non college prep

Hybrid (on-campus meetings with online component) /full trimester/5 credits

In this course students are introduced to the principles of government; the functions, processes, and powers of the branches of government, the course system and the national, state, and local government roles.

This course requires weekly on-campus meetings.

**Economics** a-g approved

Online/ full trimester/5 credits

This economics course covers the concepts of scarcity, choices, opportunity costs, the American enterprise system, world economy, supply and demand and the roles of business, labor, the consumer and government. It also covers the role of money and the banking system, economic growth/performance, monetary and fiscal policy and how nations trade.

## **Economics (Fundamental) Non college prep**

Online /full trimester/ 5 credits

This course covers common economic terms, concepts and economic reasoning. Students analyze elements of America's market economy in a global setting, the influence of the federal government, the elements of the US labor market and the aggregate economic behavior of the US economy

## **Economics Direct Non college prep**

Hybrid (on-campus meetings with online component)/full trimester/ 5 credits

This course covers common economic terms, concepts and economic reasoning. Students analyze elements of America's market economy in a global setting, the influence of the federal government, the elements of the US labor market and the aggregate economic behavior of the US economy

This course requires weekly on-campus meetings.

## **Math**

### **Algebra 1A/B** a-g approved

Online or Hybrid (book & syllabus)/ full trimester/ A = 5 credits, B = 5 credits/ Meets Algebra Reqmnt

Major areas covered: equations, powers and exponents, inequalities, functions, domain and range of functions, variation, discriminant, factors, quadratics, proportion, formulae, radicals, ratios, rational and irrational numbers, and slope-intercept equations of lines.

### **Algebra 1 1of4, 2of4, 3of4, 4of4** a-g approved

Online or Hybrid (book & syllabus)full trimester/1of4 = 5 credits, 2of4 = 5 credits, 3of4 = 5 credits, 4of4 = 5 credits

Completion of all four classes meets the Algebra Requirement

Algebra 1of4: Major areas covered: equations, functions, factors, formulae, ratios, and rational numbers.

Algebra 2of4: Major areas covered: equations, powers/exponents, inequalities, functions, domain and range of functions, variation, factors, formulae, ratios, rational numbers, and slope-intercept equations of lines.

Algebra 3of4: Major areas covered: equations, powers/exponents, inequalities, functions, domain and range of functions, variation, factors, formulae, ratios, rational numbers, and slope-intercept equations of lines.

Algebra 4of4: Major areas covered: equations, powers/exponents, inequalities, functions, domain and range of functions, probability, variation, discriminant, factors, quadratics, proportion, formulae, radicals, ratios, rational and irrational numbers, and slope-intercept equations of lines.

### **Algebra 1 Skills A, B, C, D** Non college prep

Hybrid (book & syllabus)full trimester/Skills A = 5 credits, Skills B = 5 credits, Skills C = 5 credits, Skills D = 5 credits

Completion of all four classes meets the Algebra Requirement

This four-semester course is offered to students who have struggled with algebra. Using standards-based material, the student will gain a basic understanding of number sense and algebra concepts including expressions, linear equations, inequalities, functions, radicals, exponents, polynomials, factoring, rational expressions and equations, statistics, and probability. Students are required to take an on-campus midterm and final exam.

### **Geometry A/B** a-g approved

Online or Hybrid (book & syllabus)/ full trimester/ A = 5 credits, B = 5 credits

Major areas covered include: inductive reasoning; deductive reasoning (proofs); constructions; parallel and perpendicular lines; and properties of triangles and quadrilaterals, as well as transformations, similarity, basic trigonometry, circles, area, and volume.

### **Algebra 2 A/B** a-g approved

Online or Hybrid (book & syllabus)/full trimester/ A = 5 credits, B = 5 credits

Major areas covered include: equations; powers; exponents; inequalities; functions; domain and range of

functions; matrices; probability; variation; discriminant; factors; quadratics; proportions; formulae; radicals; ratios; rational and irrational numbers; and slope-intercept equations. Students will also work with logarithms, conic sections, permutations, induction, series, and the summation formulae.

### **Trigonometry A/B** a-g approved

Online or Hybrid (book & syllabus) /full trimester/ A = 5 credits, B = 5 credits

The student will focus on understanding the definitions and principles of trigonometry and their applications to problem solving. Exact values of the trigonometric functions are emphasized throughout the book. The student will use the six trigonometric functions, right angle trigonometry, radian measurement, and graphing to understand trigonometric identities, equations, complex numbers, and polar coordinates.

### **Pre-Calculus A/B** a-g approved

Online or Hybrid (book & syllabus)/ full trimester/ A = 5 credits, B = 5 credits

Major areas covered include: equations; powers; exponents; inequalities; functions; domain; range; matrices; probability; variation; discriminant; factors; quadratics; proportions; formulae; radicals; ratios; rational and irrational numbers; and slope-intercept equations.

### **Calculus A/B** a-g approved

Hybrid (book & syllabus)/full trimester/ A = 5 credits, B = 5 credits/Prerequisite: Pre-Calculus or Trigonometry

In this two-semester course using standards-based materials, the student will examine limits and continuity, derivatives and their application, definite integrals and their application, differential equations and mathematical modeling, sequences, L'Hopital's Rule, improper integrals, infinite series, as well as parametric, vector, and polar functions. Math support is offered. On-campus midterm and final exam.

### **Statistics A/B** a-g approved

Online or Hybrid (book & syllabus)/ full trimester/ A = 5 credits, B = 5 credits

This course introduces students to elements of statistical concepts, techniques, and tools for collecting, analyzing, and drawing conclusions from data as applied in business. The course focuses on the student as a user and producer of statistics to inform and support decision making in business with emphasis on the use of business-oriented computer statistical instruments.

### **Business Math A/B** Non college prep

Hybrid (book & syllabus)/ full trimester/ A = 5 credits, B = 5 credits

In this two-semester course using standards-based materials, the student will examine gross & net pay, banking, credit cards, loans, costs in owning a car or a house, insurance & investments, budgeting, business costs, sales & marketing, managing people & inventory, and business profit & loss. Math support is offered. Students are required to take an on-campus midterm and final exam.

### **Accounting** Non college prep

Online /full trimester/5 credits

This course will cover topics in Mathematic Foundations (Converting between fractions and decimals, bar graphs and weighted means), Applications of Percents (Converting between percents, decimals and fractions; portion formula, discounts, markup/markdown, calculating salary and tax), Interest, Personal Finance and Business Finance topics. This course will also cover topics in Basic Accounting Terminology, Transactions and Financial Statements, Journal Entries, Adjusting Entries, Closing Process and Merchandising Accounting.

## **Science**

### **Biology\*** a-g approved (not currently offered)

Online with required on-campus labs/ full trimester course/A = 5 credits, B = 5 credits/Life Science requirement

In this course students will examine the basic principles and concepts of living things. Areas covered:

the structure of cells, cell processes and reproduction, genetics and heredity, evolution, ecology, ecosystems and resources, and how humans impact the world around them.

**Chemistry in the Earth System** a-g lab science/ meets the Physical Science Requirement Hybrid (required on-campus labs with online component)/full trimester/ A = 5 credits, B = 5 credits  
This course focuses on principles/concepts of Chemistry, Earth and Space Science, and Engineering standards. Topics include heat, cycles of matter, geothermal energy and how this explains tectonic plate movement. Also covered are elements and molecules that are formed through nuclear processes and how properties of elements determine the way atoms react. Students will delve into the periodic table, ionic and covalent bonds, and how the type of atomic bond determines the shape of the molecule. Students will model and balance chemical reactions and formulas and study how chemical energy can be transformed into kinetic energy. They will finish by returning to heat transfer and apply these concepts to the atmosphere and oceans, culminating with the impact on climate.

**Earth & Space Science\*** a-g approved (not currently offered)  
Online with required on-campus labs/full trimester/A = 5 credits, B = 5 credits/Phys Science requirement  
In this course students will gain basic understanding of the Earth's place in the universe, the dynamic Earth processes, the energy in the Earth system, biogeochemical cycles, structure and composition of the atmosphere, and the California geology of natural resources/natural hazards through the study of astronomy, geology, plates tectonics and meteorology.

**Environmental Science** (Gradpoint) Non college prep  
Online/full trimester/5 credits/Physical Science requirement  
This course is based on real, current, and relevant content that brings the world of environmental science to life. All while making it personal and actionable for every student.

**Intro to Chem** Non college prep (not currently offered)  
Online/Quarter of trimester/ 5 credits/Physical Science requirement  
Introduction to Chemistry covers the basic principals and laws of chemistry including the history of chemistry, atomic structure, periodic table of elements, diversity of matter, patterns in matter, and interactions of matter. No Labs

**Intro to Physics** Non college prep (not currently offered)  
Online/Quarter of trimester/ 5 credits/Physical Science requirement  
Introduction to Physics serves as an introduction to the basic principals and laws of physics. Units cover: History of physics, motion, forces and energy, electricity and magnetism, waves, sound and light. No labs.

**Life Science Fundamentals** Non college prep  
Online/ Full trimester/A = 5 credits, B = 5 credits/Life Science requirement  
This course focus will relate the fundamental life processes of plants/animals to chemical reactions that occur in areas of the cell, principles of genetics, structure of DNA, RNA and their function, the stability of the ecosystem, factors that determine evolution of living organisms and the major systems of the body. No labs.

**Life Science Direct** Non college prep  
Hybrid (required on-campus labs with online component) /full trimester/A = 5 credits, B = 5 credits  
This course meets the Life Science requirement.  
This course focus will relate the fundamental life processes of plants/animals to chemical reactions that occur in areas of the cell, principles of genetics, structure of DNA, RNA and their function, the stability of the ecosystem, factors that determine evolution of living organisms and the major systems of the body.

### **Living Earth** a-g lab science

Hybrid (requires on-campus labs with online component)/full trimester/A = 5 credits, B = 5 credits

This course meets the Life Science requirement.

Students examine the basic principles/concepts of Biology, Earth and Space Science, and Engineering standards. The course focuses on ecosystems, cycling of matter through photosynthesis and respiration, and nutrient cycles. The course also covers evidence of the history of the Earth and evolution and the synthesis of life. From there students move into genetic inheritance, chemistry of life, cell structure and function, biological organization, and reproduction. Lastly, students will look at natural resources and the relationships between human activities and Earth's Systems including Climate Change and its impact on biodiversity.

### **Marine Biology** Non college prep (not currently offered)

Online with required on-campus labs/ full trimester/A = 5 credits, B = 5 credits/Life Science requirement

Students examine the basic principles/concepts of living things. Major areas covered are: structure of cells, cell processes/reproduction, genetics/heredity, evolution, ecology, ecosystems and resources, the human body and immunity.

### **Physics** a-g approved (pre-requisite is Algebra 2) (not currently offered)

Online with required on-campus labs/ full trimester/A = 5 credits, B = 5 credits/Phys Science requirement

Students will study conceptual and mathematical representation of physics including: motion and forces, matter and energy, heat and thermodynamics, sound and light waves, electricity and magnetism, and modern physics. The course is laboratory supported with emphasis placed upon discovery and understanding. Students will observe, test and apply physical principles, develop skills for using scientific tools, use mathematical calculations for measuring, collecting and interpreting analyzing data

### **Physics of the Universe** a-g lab science

Hybrid (required on-campus labs with online component)/full trimester/A = 5 credits, B = 5 credits

This course meets the Physical Science requirement.

Students will study performance expectations from Physics, Earth and Space Science, and Engineering standards. Students will explore force, motion, and energy through motion of objects in various Earth systems, how Newton defined those forces, graphical and mathematical representations of motion and how these are applied to designing real-world solutions. Forces will be explored at both microscopic and macroscopic levels-- including gravitational forces that drive the orbit of our planet. Students will learn about transfer and conversion of energy, both kinetic and potential energy, electromagnetism, and the flow of electrons. They will also explore the variety of wave forms, characteristics that waves share, and how all waves transmit energy from one place to another-- including ocean waves, seismic waves that create earthquakes, how these impact humans, and how engineers solve problems associated with earthquakes. The year finishes with nuclear processes applied to discovering the age of rocks and how astronomers answer questions about the universe using technology.

### **Physical Science** (Fundamental) Non college prep

Online/ Full trimester/A = 5 credits, B = 5 credits/Physical Science requirement

This course will examine these topics: Motion, Forces, structure of matter, earth in the solar system, chemical reactions, the chemistry of living systems, the periodic table, density and buoyancy, and investigation and experimentation. No labs.

### **Physical Science Direct** Non college prep

Hybrid (required on-campus labs with online component)/Full trimester/A = 5 credits, B = 5 credits

This course meets the Physical Science requirement.

This course will examine these topics: Motion, Forces, structure of matter, earth in the solar system, chemical reactions, the chemistry of living systems, the periodic table, density and buoyancy, and investigation and experimentation.

## **Physical Education**

All Physical Education courses are non college prep/quarter or full trimester/ A = 5 credits,B = 5 credits

### **PE 1 A & B**

The primary focus of this course includes aquatics, rhythms and dance, and individual/dual activities. Students learn how to achieve physical fitness, the importance of maintaining an active lifestyle, appropriate social interaction skills, suitable ways to express and control emotions, and and opportunities for problem solving. Weekly participation of a minimum of 5 hours is required.

### **PE 2 A & B**

The primary focus of this course includes combatives, gymnastics and tumbling, and team activities. There is continued emphasis on the importance of physical activity, personal fitness, and achieving and maintaining an active lifestyle. Students should plan to participate in moderate to vigorous physical activity at least four days each week for a minimum of 5 hours.

### **PE 3 A & B**

The primary focus of this course includes adventure/outdoor activities, aerobic activities, individual and dual activities, dance, aquatics, and weight training and fitness. Emphasis is on the importance of physical activity, personal fitness, and maintaining an active lifestyle. Weekly participation of moderate to vigorous physical activity for a minimum of 5 hours is required each week.

### **PE 4 A & B**

The primary focus of this course includes adventure/outdoor activities, aerobic activities, individual and dual activities, dance, aquatics, and weight training and fitness. Emphasis is on the importance of physical activity, personal fitness, and maintaining an active lifestyle. Weekly participation of moderate to vigorous physical activity for a minimum of 5 hours is required each week.

## **Other**

### **Health**      Non college prep

Online/Quarter of Trimester /5 credits

This course involves students surveying issues in health, noting good health practices and decision-making skills. Major units are nutrition, medicines and drugs, diseases and disorders, sexual health, community and environmental, health, consumer health, safety and emergency care, including First Aid and CPR.

### **Alternative course**      Non college prep

Online/full trimester/5 credits

This type of course involves the grade of Credit/No Credit only. Assignments and the goal of each Alternative course will be decided with the students faculty advisor.