



Course Catalog 2018-19

9th- to 12th-Grade

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English

English 9³

The English 9 course is an overview of exemplar selections of literature in fiction and nonfiction genres. Students read short stories, poems, a full-length novel, and a full-length Shakespeare play, analyzing the use of elements of literature in developing character, plot, and theme. Each unit includes informational texts inviting students to consider the historical, social, and literary context of the main texts they study.

The range of texts includes canonical authors such as William Shakespeare, Franz Kafka, and Elie Wiesel, as well as writers from diverse backgrounds, such as Alice Walker, Li-Young Lee, and Robert Lake-Thom (Medicine Grizzlybear).

English 10³

The focus of the English 10 course is the writing process. Three writing applications guide the curriculum: persuasive, expository, and narrative writing. Each lesson culminates in a written assignment that lets students demonstrate their developing skill in one of these applications. English 10 also continues to develop students' reading, listening, and speaking skills. Readings

include poems, stories, speeches, plays, and a graphic novel, as well as a variety of informational texts. The readings represent a wide variety of purposes and cultural perspectives, ranging from the Indian epic *The Ramayana* to accounts of Hurricane Katrina told through different media.

English 11³

In the English 11 course, students examine the belief systems, events, and literature that have shaped the United States. They begin by studying the language of independence and the system of government developed by Thomas Jefferson and other enlightened thinkers. Next, they explore how the Romantics and Transcendentalists emphasized the power and responsibility of the individual in both supporting and questioning the government. Students consider whether the American Dream is still achievable and examine the Modernists' disillusionment with the idea that America is a "land of opportunity."

Reading the words of Frederick Douglass and the text of the Civil Rights Act, students look carefully at the experience of African Americans and their struggle to achieve equal rights. Students explore how individuals cope with the influence of war and cultural tensions while trying to build and secure their own personal identity. Finally, students examine how technology is affecting our contemporary experience of freedom: Will we eventually change our beliefs about what it means to be an independent human being?

English 12³

The English 12 course asks students to closely analyze British literature and world literature and consider how we humans define and interact with the unknown, the monstrous, and the heroic. In the epic poems *The Odyssey*, *Beowulf*, and *The Inferno*, in Shakespeare's *Tempest*, in the satire of Swift, and in the rhetoric of World War II, students examine how the ideas of "heroic" and "monstrous" have been defined across cultures and time periods and how the treatment of the "other" can make monsters or heroes of us all.

Reading *Frankenstein* and works from those who experienced the imperialism of the British Empire, students explore the notion of inner monstrosity and consider how the dominant culture can be seen as monstrous in its ostensibly heroic goal of enlightening the world.

Creative Writing¹

Prerequisite: English 10

Creative Writing focuses on the exploration of short fiction and poetry, culminating in a written portfolio that includes a revised short story and 3–5 polished poems. Elements of fiction writing explored in this course include attention to detail, observation, character development, setting, plot, and point of view. In addition to applying literary craft elements in guided creative writing exercises, students engage in critical reading activities designed to illustrate the writing craft of a diverse group of authors.

Media Literacy¹

Media Literacy teaches students how to build the critical thinking, writing, and reading skills required in a media-rich and increasingly technocentric world. A major topic in the course is

nontraditional media reading skills, including how to approach, analyze, and respond to advertisements, blogs, websites, social media, news media, and wikis. Students also engage in a variety of writing activities in nontraditional media genres, such as blogging and podcast scripting. Students consider their positions as consumers of media and explore ways to use nontraditional media to become more active and thoughtful citizens.

English Composition 1⁴

Sophia's English Composition I course takes students through the stages of the writing process, from brainstorming and drafting through revision and proofreading. Students will strengthen their writing skills and become more engaged readers and critical thinkers. At the end of the course, students will have achieved the following learning outcomes: describe English composition; articulate the writing process; apply writing and revising techniques; conduct research and integrate evidence; and synthesize academic writing skills.

Foundations of English Composition⁴

Sophia's English Composition I course takes students through the stages of the writing process, from brainstorming and drafting through revision and proofreading. Students will strengthen their writing skills and become more engaged readers and critical thinkers. At the end of the course, students will have achieved the following learning outcomes: describe English composition; articulate the writing process; apply writing and revising techniques; conduct research and integrate evidence; and synthesize academic writing skills.

Public Speaking⁴

Sophia's Public Speaking course provides the tools to prepare, develop and present clear, engaging speeches. At the end of the course, students will have mastered skills that will help them write and give a compelling topical speech, thoughtfully incorporate feedback, improve their listening skills, and minimize anxiety around public speaking.

AP[®] English Language and Composition²

Prerequisites: Two years of high school English

In AP[®] English Language and Composition, students learn to understand and analyze complex styles of writing by reading works from a variety of authors. They'll explore the richness of language, including syntax, imitation, word choice, and tone. They'll also learn about their own composition style and process, starting with exploration, planning, and writing, and continuing through editing, peer review, rewriting, polishing, and applying what they learn to a breadth of academic, personal, and professional contexts. The equivalent of an introductory-level college class, this course prepares students for the AP exam and for further study in communications, creative writing, journalism, literature, and composition.

AP[®] English Literature and Composition²

Prerequisites: Three years of high school English

AP[®] English Literature and Composition immerses students in novels, plays, poems, and short stories from various periods. Students will read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and class discussions to assess and

improve their skills and knowledge. The course places special emphasis on reading comprehension, structural and critical analysis of written works, literary vocabulary, and recognizing and understanding literary devices. The equivalent of an introductory-level college class, this course prepares students for the AP exam and for further study in creative writing, communications, journalism, literature, and composition.

Social Studies

U.S. History

It is important to understand the past in order to make sound decisions for the future. In U.S. History, students are challenged to look at key events in our nation's history and how they affect us today. Students use textbooks, library resources, and the Internet, and conclude their study with a presentation of a historical timeline and two research papers or projects.

World History

World History offers students the opportunity to explore ancient cultures, Europe, Asia, South America, the Middle East, and Africa. Students use a variety of resources to understand the complexity of the world in which we live. Students also study geography and its impact on human history. They complete research papers on topics of their choice throughout the course.

U.S. Government and Politics¹

Prerequisite: U.S. History is recommended, but not required

This is an introductory course designed to familiarize students with the foundations of the U.S. government, the fundamentals of citizenship, and the United States' relations with, and responsibilities to, the rest of the world. Students complete a Constitution project, a research paper on a government career, and one appropriate essay topic of the student's choice.

Geography and World Cultures¹

Geography and World Cultures enables students to explore how geographic features, human relationships, political and social structures, economics, science and technology, and the arts have developed and influenced life in countries around the world. In this course, students are given rigorous instruction on how to read and create maps, charts, and graphs. The course develops note-taking skills, teaches the basic elements of analytic writing, and introduces students to the close examination of primary documents.

Multicultural Studies¹

Multicultural Studies is a course that examines the United States as a multicultural nation. It emphasizes the perspectives of minority groups while allowing students from all backgrounds to better understand and appreciate how race, culture, and ethnicity, and identity contribute to their experiences. Major topics in the course include identity, immigration, assimilation and distinctiveness, power and oppression, struggles for rights, regionalism, culture and the media, and the formation of new cultures.

Sociology¹

Sociology examines why people think and behave as they do in relationships, groups, institutions, and societies. Major course topics include individual and group identity, social structures and institutions, social change, social stratification, social dynamics in recent and current events, the effects of social change on individuals, and the research methods used by social scientists.

U.S. and Global Economics¹

Prerequisite: U.S. Government and Politics is recommended, but not required

U.S. and Global Economics provides an introduction to key economic principles and covers fundamental properties of economics. Topics include an examination of markets from both historical and current perspectives; the basics of supply and demand; the theories of early economic philosophers; theories of value; the concept of money and how it evolved; the role of banks, investment houses, and the Federal Reserve; Keynesian economics; the productivity, wages, investment, and growth involved in capitalism; unemployment; inflations; and the national debt. The course also includes a survey of markets in areas such as China, Europe, and the Middle East.

World History to the Renaissance

World History to the Renaissance traces the development of civilizations around the world from prehistory to the Renaissance. The course covers major themes in world history, including the development and influence of human-geographic relationships, political and social structures, economic systems, major religions and belief systems, science and technology, and the arts.

Topics covered in this course include the birth of civilizations; the classical civilizations of India, China, Greece, and Rome; the rise of new empires such as the Byzantine; and an examination of civilizations in Africa and North and South America. From there, students journey to the Middle Ages and into the Renaissance.

Primary source documents, which appear frequently, encourage students to make connections to evidence from the past. Writing skills are honed through a spiraled sequence of short analytic pieces.

Modern World History from 1450

In Modern World History from 1450, students study the major turning points that shaped the modern world including the expansion of Islamic and Asian empires, transoceanic exploration, the Atlantic slave trade, the Enlightenment, industrialization, imperialism, nationalism, political revolutions, the world wars, the Cold War, decolonization, and globalization. By presenting content from multiple perspectives and through diverse primary and secondary source materials, this course not only provides students with a solid foundation in the history of the modern era, but it also prepares students to be active and informed citizens of the world.

Through critical reading activities, feedback-rich instruction, and application-oriented assignments, students develop their capacity to conduct research, analyze sources, make

arguments, and take informed action. In written assignments, students address critical questions about the history of the modern era. In discussion activities, students respond to diverse opinions, take positions, and defend their own claims. Formative and summative assessments provide students – and teachers – with ample opportunities to check in, review, and evaluate students' progress in the course.

U.S. History since the Civil War

This course traces the nation's history from the end of the Civil War to the present. It describes the emergence of the United States as an industrial nation, highlighting social policy as well as its role in modern world affairs.

Students evaluate the attempts to bind the nation together during Reconstruction while also exploring the growth of an industrial economy. Moving into the 20th and 21st centuries, students probe the economic and diplomatic interactions between the United States and other world players while investigating how the world wars, the Cold War, and the "information revolution" affected the lives of ordinary Americans. Woven through this chronological sequence is a strong focus on the changing conditions of women, African Americans, and other minority groups.

The course emphasizes the development of historical analysis skills such as comparing and contrasting, differentiating between facts and interpretations, considering multiple perspectives, and analyzing cause-and-effect relationships. These skills are applied to text interpretation and in written assignments that guide learners step-by-step through problem-solving activities.

Approaches to Studying Religions⁴

Sophia's Approaches to Studying Religion course helps students gain mastery of the basic concepts integral to the study of religion and understand how these concepts apply in real world situations. Students will explore key components of religions as they apply to a range of different belief systems and will explore the role of religion in modern society. At the end of the course, students will have achieved the following learning outcomes: investigate the major approaches to studying religion; identify common elements of religions; analyze religion's impact on individuals, society, and the world; and evaluate social, ethical, and cultural topics through the lens of religion.

Introduction to Ethics⁴

Sophia's Introduction to Ethics course uses problem-based learning to help students apply knowledge to real-life situations. By using relatable scenarios, students will learn how to think critically about ethical and philosophical inquiry, explore their belief system, and better understand the role of ethics in everyday life. At the end of the course, students will know how to explain the goal of ethics, evaluate philosophical arguments, and understand key terminology. Students will be able to apply moral theories to real-world issues and interpret the role of bias in ethical decision-making.

Introduction to Sociology ⁴

Sophia's Introduction to Sociology course helps students gain mastery of the basic principles

of sociology. Students will learn a variety of topics, including sociological theory, cultural deviance, social interaction, diversity, stratification, education, technology, and health in modern society. Students will also have the opportunity to demonstrate the application of these topics in sociology to everyday situations. At the end of the course, students will have achieved the following learning outcomes: identify foundational philosophies, theories, and methods in the field of sociology; apply principles of culture and deviance to real life scenarios; analyze social interaction and collective behavior in a real-world context; identify and apply elements of diversity, stratification, and inequality in real life; and analyze perspectives on elements of modern society.

U.S. History I⁴

Sophia's U.S. History I course encompasses key events and era in US History from prehistory and early settlers to the Civil War and Reconstruction. Themes, eras, and events include: the first settlers, growth of the colonies, the American War for Independence, and The Civil War and Reconstruction. At the end of the course, students will know how to analyze primary and secondary sources to form and defend their conclusions. They'll be able to think more like a historian by using different contextual lenses to understand events and eras through a variety of perspectives.

U.S. History II⁴

Sophia's U.S. History II course begins in the late 1800s (after Reconstruction) and continues through 2015. Themes, events, and eras include: westward expansion, The Great Depression, World War II, and 9/11 and its aftermath. Designed to build critical thinking skills, this course teaches students to analyze primary sources, form conclusions, and apply different historical lenses to events to help them interpret history through a variety of perspectives.

AP[®] U.S. Government and Politics^{1 2}

AP[®] U.S. Government and Politics studies the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students will gain the analytic perspective necessary to critically evaluate political data, hypotheses, concepts, opinions, and processes. Along the way, they'll learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They'll also build the skills they need to examine general propositions about government and politics, and to analyze the specific relationships between political, social, and economic institutions. The equivalent of an introductory-level college course, AP U.S. Government and Politics prepares students for the AP exam and for further study in political science, law, education, business, and history.

AP[®] U.S. History²

AP[®] U.S. History analyzes and explores the economic, political, and social changes in America since Columbus. Students master historical knowledge and critical analysis, build reading, writing, and communication skills, and discover how historical events have contributed to American culture. In the process, they'll learn how decisions and events of the past continue to have profound effects on the world today and how knowledge of the causes behind past events can influence future decisions. By the end of the course, students will be ready to put their factual knowledge to work by weighing evidence and interpreting problems presented by historians. The equivalent of an introductory-level college course, AP U.S. History prepares

students for the AP exam and for further study in history, political science, economics, sociology, and law.

Ancient Greek Philosophers

The ancient Greek philosophers were among the first to ask fundamental questions about human existence, and this course provides an overview of key figures such as Socrates, Plato, and Aristotle and examines their role in shaping history and society. The course will also apply philosophical lenses to analyze some of life's "big questions" with new depth and perspective. At the end of the course, the student will have achieved the following learning outcomes: recognize the value of the study of philosophy and its application to everyday life, identify the nature and significance of the major branches of philosophical inquiry, understand the general philosophical positions and arguments of key ancient Greek philosophers, understand the impact that ancient philosophical theories have had on history and society, apply good philosophical logic, reasoning, and critical thinking skills, compare and contrast various philosophical approaches to essential philosophical questions, and apply philosophical approaches to real world situations.

Mathematics

Algebra I³

Prerequisite: Pre-Algebra

Algebra I offers students the opportunity to develop and apply their algebraic understanding to solve increasingly complex problems. Students become familiar with exponents, roots, and radicals in the context of manipulating and factoring polynomials. They learn to write and solve systems of equations as a strategy for solving word problems. Students evaluate rational expressions, and graph, solve, and apply linear equations and inequalities. They also explore problems of probability.

Geometry³

Recommended: Algebra I or Integrated Math I

Geometry builds upon students' command of geometric relationships and formulating mathematical arguments. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations.

Course topics include reasoning, proof, and the creation of sound mathematical arguments; points, lines, and angles; triangles and trigonometry; quadrilaterals and other polygons; circles; congruence, similarity, transformations, and constructions; coordinate geometry; three-dimensional solids; and applications of probability.

This course supports all students as they develop computational fluency and deepen conceptual understanding. Students begin each lesson by discovering new concepts through guided instruction, and then confirm their understanding in an interactive, feedback-rich environment. Modeling activities equip students with tools for analyzing a variety of real-world

scenarios and mathematical ideas. Journaling activities allow students to reason abstractly and quantitatively, construct arguments, critique reasoning, and communicate precisely. Performance tasks prepare students to synthesize their knowledge in novel, real-world scenarios and require that they make sense of multifaceted problems and persevere in solving them.

Algebra II³

Prerequisite: Algebra I and Geometry or Integrated Math I

Algebra II introduces students to powerful algebraic tools and problem-solving strategies. Students learn strategies for simplifying and solving equations and inequalities containing radical expressions. Students explore multiple techniques for solving systems of equations and are introduced to matrices. The quadratic formula and other methods of solving quadratic equations are introduced and applied. Students explore connections between algebra and geometry as they graph the equations of conic sections: parabolas, circles, ellipses, and hyperbolas. This course also includes an introduction to the concepts of trigonometry and an investigation of discrete mathematics and probability.

Integrated Math I³

Integrated Math I provides a first-year integrated math curriculum that combines material traditionally covered in high school algebra, geometry, and statistics courses. Within the course, a balance is struck between task-based discovery and focused development of skills and conceptual understanding. Course topics include function families, propositional logic, polynomials and factoring, similarity and congruence properties of triangles, introductory probability and statistics, square roots, rational expressions, and coordinate geometry.

Integrated Math II³

Prerequisite: Algebra I or Integrated Math I

Integrated Math II provides a second-year integrated math curriculum that combines material traditionally covered in high school algebra, geometry, and precalculus courses. The course develops rigorous mathematical skills while emphasizing real-world applications. Course topics include complex numbers, step and piecewise functions, exponential functions, quadratic functions, inverse functions, right triangles, trigonometric functions, and circles, as well as data analysis and modeling.

Integrated Math III³

Prerequisite: Algebra I or Integrated Math II

Integrated Math III introduces students to powerful algebraic tools and problem-solving strategies. Students learn strategies for simplifying and solving equations and inequalities containing radical expressions. Students explore multiple techniques for solving systems of equations and are introduced to matrices. The quadratic formula and other methods of solving quadratic equations are introduced and applied. Students explore connections between algebra and geometry as they graph the equations of conic sections: parabolas, circles,

ellipses, and hyperbolas. This course also includes an introduction to the concepts of trigonometry and an investigation of discrete mathematics and probability.

Pre-Calculus

Prerequisite: Algebra II or Integrated Math III

Pre-Calculus is a course that combines reviews of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. The first semester includes linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions, as well as systems of equations and conic sections. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and the laws of sines and cosines; polar functions and notation; and arithmetic of complex numbers.

Probability and Statistics¹

Prerequisite: Algebra II or Integrated Math III

Probability & Introduction to Statistics provides a curriculum focused on understanding key data analysis and probabilistic concepts, calculations, and relevance to real-world applications. This course covers topics such as types of data, common methods used to collect data, and the various representations of data, including histograms, bar graphs, box plots, and scatterplots. Students learn to work with data by analyzing and employing methods of prediction, specifically involving samples, populations, distributions, summary statistics, regression analysis, transformations, simulations, and inference.

Mathematics of Personal Finance

Prerequisite: Algebra I and Geometry or their equivalents

Mathematics of Personal Finance focuses on real-world financial literacy, personal finance, and business subjects. Students apply what they learned in Algebra I and Geometry to topics such as personal income, taxes, checking and savings accounts, credit, loans and payments, car leasing and purchasing, home mortgages, stocks, insurance, and retirement planning. Students also extend their investigations using more advanced mathematics, such as systems of equations when studying cost and profit issues and exponential functions when calculating interest problems.

Liberal Arts Mathematics II

Liberal Arts Mathematics II addresses the need for a course that meets graduation requirements and focuses on reinforcing, deepening, and extending a student's mathematical understanding. Liberal Arts Mathematics II starts with a review of algebraic concepts before moving on to a variety of key algebraic, geometric, statistical and probability concepts. Throughout the course, students hone their computational skills and extend their knowledge through problem solving and real-world applications.

Course topics include analysis of quadratic, polynomial, exponential and logarithmic functions, arithmetic and geometric sequences, trigonometry and trigonometric functions, coordinate geometry and proofs, statistical analysis, experimental design and applications of probability.

Within each Liberal Arts Mathematics II lesson, students are supplied with a scaffolded note-taking guide, called a Study Sheet, and are given ample opportunity to practice computations in low-stakes Checkup activities before moving on to formal assessment. Additionally, students will have the opportunity to formulate and justify conclusions as they extend and apply concepts through printable exercises and "in-your-own-words" interactive activities.

To assist students for whom language presents a barrier to learning or who are not reading at grade level, Liberal Arts Math II includes audio resources in English.

Financial Literacy¹

Financial Literacy helps students recognize and develop vital skills that connect life and career goals with personalized strategies and milestone-based action plans. Students explore concepts and work toward mastery of personal finance skills, deepening their understanding of key ideas and extending their knowledge in a variety of problem-solving applications. Course topics include career planning; income, taxation, and budgeting; savings accounts, checking accounts, and electronic banking; interest, investments, and stocks; cash, debit, credit, and credit scores; insurance; and consumer advice on how to buy a car or a house, including buying, renting, and leasing options.

College Algebra⁴

Sophia's College Algebra course helps students build mastery around linear, non-linear, and other mathematical functions that include algebraic, graphic, and numeric properties. At the end of the course, students will have achieved the following learning outcomes: perform mathematical functions involving real numbers; apply mathematical concepts to linear equations, inequalities, and series/sequences, apply mathematical concepts to linear representations and systems of linear equations and inequalities; apply mathematical concepts to algebraic expressions and quadratic equations; apply mathematical concepts to functions and non-linear equations.

Foundations of College Algebra⁴

Sophia's Foundations of College Algebra course builds foundational algebraic and problem-solving skills needed to succeed in a college-level algebra course. Students build their understanding of linear and quadratic relationships, and apply these concepts to real world situations through scenario-based activities. At the end of the course, students will have achieved the following learning outcomes: simplify and evaluate numerical expressions; solve linear equations and inequalities; interpret slope, intercepts, and graphs of lines; simplify and multiply exponents and polynomials; factor polynomial expressions; solve quadratic equations; and perform operations on complex numbers.

Foundations of Statistics⁴

Sophia's Foundations of Statistics course teaches foundational skills that will enable students to be successful in a college level Statistics course. Students will learn about fundamental

concepts in statistics such as central tendency, variation, correlation, probability, and statistical analysis. At the end of the course, students will have achieved the following learning outcomes: interpret descriptive statistics and interpret inferential statistics.

AP[®] Calculus AB²

Prerequisite: Algebra II, Geometry, Pre-Calculus

In AP[®] Calculus AB, students learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Instead of simply getting the right answer, students learn to evaluate the soundness of proposed solutions and to apply mathematical reasoning to real-world models. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. The equivalent of an introductory-level college calculus course, AP Calculus AB prepares students for the AP exam and for further study in science, engineering, and mathematics.

AP[®] Statistics²

Prerequisite: Algebra II or Integrated Math III

AP[®] Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research. The next time they hear the results from another poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory-level college course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

Science

Biology

Students enrolled in Biology study the physical structures and functions of plants, animals, and humans. They explore cell structure, the processes of mitosis and meiosis, plant anatomy, human anatomy, genetics, and the theory of evolution. In addition to conducting experiments using microscopes, students dissect a virtual pig and look closely at internal human anatomy through the use of interactive software. Students present a final paper or project upon completion of the course.

Chemistry

Prerequisite: Algebra I or Integrated Math I; Recommended: Algebra II or Integrated Math II

Chemistry offers students the opportunity to deepen their understanding of the physical world and to apply their mathematical skills to solving chemical equations. Students are introduced to atomic structure and weights, the periodic table, chemical bonding, the mole concept, gases, solids, liquids, solutions, chemical equilibrium, acids, and bases. They learn to calculate

molecular and formulaic weights and to balance chemical equations. The course concludes with a final presentation of a research paper or project.

Physics

Prerequisite: Algebra I or Integrated Math I; Recommended: Algebra II or Integrated Math II

In this Physics course, students examine force and its effects, light and sound, electricity and magnetism, energy resources, the solar system, and gravity. Students conduct hands-on experiments and complete virtual labs to enhance their understanding of gravity, acceleration, optics, and circuits.

Psychology¹

Psychology provides an overview of the field's major domains: methods, biopsychology, cognitive and developmental psychology, and variations in individual and group behavior. By focusing on significant scientific research and on the questions that are most important to psychologists, students see psychology as an evolving science. Each topic clusters around challenge questions, such as "What is happiness?" Students answer these questions before, during, and after they interact with direct instruction.

Environmental Science

Environmental Science explores the biological, physical, and sociological principles related to the environment in which organisms live on Earth, the biosphere. Course topics include natural systems on Earth, biogeochemical cycles, the nature of matter and energy, the flow of matter and energy through living systems, populations, communities, ecosystems, ecological pyramids, renewable and non-renewable natural resources, land use, biodiversity, pollution, conservation, sustainability, and human impacts on the environment.

Renewable Technologies

In this Renewable Technologies course, students learn all about the cutting-edge field of renewable energy and the exciting new technologies that are making it possible. With concerns about climate change and growing populations' effects on traditional energy supplies, scientists, governments, and societies are increasingly turning to renewable and innovative energy sources. Students explore these new ways of generating energy and storing that energy, from biofuels to high-capacity batteries and smart electrical grids. They also learn more about the environmental and social effects of renewable technologies and examine how people's energy decisions impact policies.

Human Biology⁴

Sophia's Human Biology course helps students analyze fundamental biological principles from a human perspective. The human biology topics include the molecular and cellular basis of life, genetics, organ systems, and the impact of nutrition and exercise on human health. At the end of the course, students will have achieved the following learning outcomes: describe basic human biology concepts; describe skeletal & muscular systems; articulate nervous system and sensory system related to human health; analyze respiratory, circulatory, immune, and digestive systems; describe urinary, endocrine, and reproductive systems; and describe genetics and biotechnology and their application.

AP[®] Biology²

Prerequisite: Biology

AP[®] Biology builds students' understanding of biology on both the micro and macro scales. After studying cell biology, students move on to understand how evolution drives the diversity and unity of life. Students will examine how living systems store, retrieve, transmit, and respond to information and the processes used by organisms to utilize free energy. The equivalent of an introductory-level college biology course, AP Biology prepares students for the AP exam and for further study in science, health sciences, and engineering.

AP[®] Chemistry²

Prerequisite: Chemistry and Algebra II or Integrated Math III

AP[®] Chemistry builds students' understanding of the nature and reactivity of matter. After studying the structure of atoms, molecules, and ions, students move on to solve quantitative chemical problems and explore how molecular structure relates to chemical and physical properties. Students will examine the molecular compositions of common substances and learn to predictably transform them through chemical reactions. The equivalent of an introductory-level college chemistry course, AP Chemistry prepares students for the AP exam and for further study in science, health sciences, and engineering.

Environmental Science⁴

Sophia's Environmental Science course teaches students about human impacts on the natural world. Students will apply knowledge of a wide range of environmental issues in context, exploring topics such as natural resources, endangered species, pollution, and climate change. At the end of the course, students will have achieved the following learning outcomes: describe environmental science; apply principles of earth science, ecology, and conservation; articulate impacts of development, agriculture, and waste; analyze environmental issues, policies, and solutions.

AP[®] Environmental Science²

Prerequisites: Two years of high school laboratory science (one year of life science and one year of physical science), and one year of algebra

AP[®] Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course draws upon various disciplines, including geology, biology, environmental studies, environmental science, chemistry, and geography in order to explore a variety of environmental topics. Topics explored include natural systems on Earth; biogeochemical cycles; the nature of matter and energy; the flow of matter and energy through living systems; populations; communities; ecosystems; ecological pyramids; renewable and nonrenewable resources; land use; biodiversity; pollution; conservation; sustainability; and human impacts on the environment. The equivalent of an introductory college-level science course, AP Environmental Science prepares students for the AP exam and for further study in science, health sciences, or engineering.

Introduction to Psychology⁴

Sophia's Introduction to Psychology course helps students understand the basic principles of psychology and the scientific methods. Students will study a variety of topics, including the brain, learning and memory, personality, social influence, child and lifespan development, and psychopathology. Students will also have the ability to demonstrate the application of these psychology topics to everyday situations. At the end of the course, students will have achieved the following learning outcomes: identify foundational philosophies, therapies, and specializations in the field of psychology; analyze developmental psychology across the lifespan; identify theories of personality and personality assessment, articulate scientific research methodology and analytical approaches in the field of psychology; articulate how brain and psychological factors impact mental health and behavior; and classify psychological disorders and impact on well-being.

AP[®] Psychology^{1 2}

Prerequisite: Biology

AP[®] Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They'll study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of an introductory-level college course, AP Psychology prepares students for the AP exam and for further study in psychology and life sciences.

World Languages

American Sign Language 1a: Introduction¹

American Sign Language 1a: Introduction covers vocabulary and simple sentences, so students can start communicating right away. Importantly, students will explore Deaf culture – social beliefs, traditions, history, values and communities influenced by deafness.

American Sign Language 1b: Learn to Sign¹

Prerequisite: American Sign Language 1a: Introduction

American Sign Language 1b: Learn to Sign emphasizes comprehension and signing. Students continue to build their vocabulary and communication skills while learning classifiers, glossing and mouth morphemes. They explore interesting topics like Deaf education and Deaf arts and culture.

French I

French I teaches students to greet people, describe family and friends, talk about hobbies, and communicate about other topics, such as sports, travel, and medicine. Each lesson presents vocabulary, grammar, and culture in context, followed by explanations and exercises.

Vocabulary includes terms to describe school subjects, parts of the body, and people, as well as idiomatic phrases. Instruction in language structure and grammar includes the verb system, adjective agreement, formal and informal address, reflexive verbs, and past tense. Students also gain an understanding of the cultures of French-speaking countries and regions within and outside Europe, as well as insight into Francophone culture and people.

French II

Prerequisite: French I or equivalent

French II teaches students to communicate more confidently about themselves, as well as about topics beyond their own lives - both in formal and informal address. Each lesson presents vocabulary, grammar, and culture in context, followed by explanations and exercises. Vocabulary includes terms in cooking, geography, and architecture. Instruction in language structure and grammar includes present- and past-tense verb forms and uses, negation, and direct and indirect objects. Students deepen their knowledge of French-speaking regions and cultures by learning about history, literature, culture, and contemporary issues.

Spanish I

Spanish I teaches students to greet people, describe family and friends, talk about hobbies, and communicate about other topics, such as home life, occupations, travel, and medicine. Each lesson presents vocabulary, grammar, and culture in context, followed by explanations and exercises. Vocabulary includes terms to describe school subjects, parts of the body, and people, as well as idiomatic phrases. Instruction in language structure and grammar includes the structures and uses of present-tense verb forms, imperatives, adjective agreement, impersonal constructions, formal and informal address, and reflexive verbs. Students explore words used in different Spanish-speaking regions and learn about the cultures of Spanish-speaking countries and regions within and outside Europe.

Spanish II

Prerequisite: Spanish I or equivalent

Building on Spanish I concepts, Spanish II students learn to communicate more confidently about themselves, as well as about topics beyond their own lives - both in formal and informal situations. Each lesson presents vocabulary, grammar, and culture in context, followed by explanations and exercises. Students expand their vocabulary in topics such as cooking, ecology, geography, and architecture. Instruction in language structure and grammar includes a review of present-tense verb forms, an introduction to the past tense, the conditional mood, imperatives, impersonal constructions, and reported speech. Students deepen their knowledge of Spanish-speaking regions and cultures by learning about history, literature, culture, and contemporary issues.

Spanish II Cultures

Prerequisite: Spanish I or equivalent

Spanish II Cultures builds upon the foundation of Spanish I to expand communication skills in this foreign language. The course includes the components of grammar, reading

comprehension, listening comprehension, and written expression, similar to a traditional Spanish II curriculum, but also includes an extensive cultural research component that allows students to focus intensively on a Spanish-speaking country. As this course covers less vocabulary than might be included in a typical Spanish II course, students should consult with the instructor to determine whether their next course placement should be Spanish II or Spanish III.

Spanish III

Prerequisites: Spanish II or equivalent

In Spanish III, students build upon the skills and knowledge they acquired in Spanish I and II. The course presents new vocabulary and grammatical concepts in context while providing students with ample opportunities to review and expand upon the material they have learned previously.

Students read and listen to authentic materials from newspapers, magazines, and television. The content is focused on contemporary and relevant topics such as urbanization and population growth in Latin American countries, global health concerns, jobs of the future, and scientific advancements. The materials engage students as they improve their command of Spanish.

Students review the formation and use of regular and irregular verbs in the present and future tenses, as well as the use of reflexive particles and infinitives. They also expand their understanding of noun and adjective agreement, the comparative and superlative degree of adjectives, and the placement and use of direct and indirect objects and pronouns. Students expand their vocabulary through exposure to word roots and families, popular slang, the correct use of words that are often confused for one another, and review of concepts such as proper placement of accents and stress.

Presentation of new materials is always followed by several interactive, online exercises, allowing students to master the material as they learn it. Teacher-scored activities provide students with opportunities to use their new Spanish skills both orally and in writing. Discussion activities allow students to interact with their peers in the target language.

AP[®] Spanish Language²

Prerequisite: Spanish III or equivalent native fluency

In AP[®] Spanish Language, students perfect their Spanish speaking, listening comprehension, reading, and writing skills. They study the vocabulary, grammar, and cultural aspects of the language, and then apply what they've learned in extensive written and spoken exercises. By the end of the course, students will have an expansive vocabulary and a solid, working knowledge of all verb forms and tenses. The equivalent of a college-level language course, AP Spanish Language prepares students for the AP exam and for further study of Spanish language, culture, or literature.

Fine Arts

Art Appreciation¹

Art Appreciation is a survey of the history of Western visual arts, with a primary focus on painting. Students begin with an introduction to the basic principles of painting and learn how to critique and compare works of art. While Western art is the course's primary focus, students also study artistic traditions from Africa, Asia, Oceania, and the Americas. Coverage of each artistic movement highlights historical context and introduces students to key artists who represent a variety of geographical locations. Throughout the course, students apply what they have learned about critiquing art to analyze and evaluate both individual artists and individual works of art.

Digital Photography 1a: Introduction¹

Digital Photography 1a: Introduction covers how to take great photographs that capture the moment. Students gain a better understanding of photography and camera functions, including aperture, shutter speed, natural vs. artificial lighting, and elements of composition. They also explore how an image is created as well as study the history of photography and advances in camera technology over the last several centuries.

Digital Photography 1b: Creating Images with Impact!¹

In Digital Photography 1b: Creating Images with Impact! students learn the skills and techniques used by professional photographers to improve their photo taking skills of a wide array of subjects. Students build on the composition techniques and camera functions they learned in Digital Photography 1a to create a portfolio of a variety of images. Students learn the special techniques that will help them shoot quality portraits, action shots, and landscapes. They also explore sports, pet, and wildlife photography and discover various career paths in the field.

Music Appreciation

Music Appreciation introduces students to the history, theory, and genres of music, from the most primitive surviving examples, through classical, to the most contemporary music in the world at large. The course covers primitive musical forms, classical music, and American jazz, and also presents rich modern traditions, including gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip-hop. Students explore the interface of music and social movements and examine how the emergent global society and the Internet are bringing musical forms together in new ways.

Theater, Cinema & Film Production

This course will introduce students to the basics of film and theater productions. Students will learn about the basics of lighting, sound, wardrobe, and camerawork for both film and theater settings. The course also explores the history of film and theater and the influence that they have had on society. Students will analyze and critique three influential American films, *Casablanca*, *Singin' in the Rain*, and *The Wizard of Oz*.

Art History I⁴

Sophia's Art History I course helps students master fundamentals of art history from prehistoric times to the Renaissance. In this course, students will explore art exhibits, analyze buildings and architecture, and examine art in everyday life. At the end of the course, students will have achieved the following learning outcomes: describe the basics of Art History, recognize movements that have been significant in Art History, identify methods used to evaluate artwork, characterize the art and architecture from prehistoric times through early renaissance, analyze various works of art according to specific criteria, understand the cultural significance of various works of art, and recognize characteristics or ways to identify art from different regions of the world.

Life Skills

College and Career Preparation I¹

In College and Career Preparation I, students obtain a deeper understanding of what it means to be ready for college, including the college application process, what it takes to be a successful college student, and how to begin thinking about their careers. Students learn about the importance of high school performance in college admissions, how to prepare for college testing, and the types of schools and degrees they may choose to pursue after high school. They also gain exposure to the financial resources available that can make college attainable. Students come away from this course understanding how smart preparation and skill development in high school can lead to expansive career opportunities after they have completed their education and are ready for the working world.

College and Career Preparation II¹

College and Career Preparation II builds on the lessons and skills in College and Career Preparation I and provides a step-by-step guide to choosing a college. It walks students through the process of filling out an application (with opportunities to practice) and takes an in-depth look at the various college admission tests and assessments, as well as financial aid options. The course also instructs students in interviewing techniques and provides career guidance. Students explore valuable career-preparation opportunities such as job shadowing and internships. (College and Career Preparation I is not a prerequisite.)

Experience-Based Credit¹

Students complete 75 hours of non-work experience for a half credit. Examples include art, music, driver's education, sports, and physical education. Students maintain a log which is signed off by an adult who oversees the activity (excluding parents and Brightmont staff). Limit one experience/work credit per school year. Student earns a pass/fail grade.

Work-Based Credit¹

Students complete 200 hours of paid work experience for a half credit. Students maintain a log which is signed off by a manager. Limit one experience/work credit per school year. Student earns a pass/fail grade.

Health/PE

Health¹

Health consists of units on nutrition, exercise, addiction, disease, the human body, reproduction, decision making, and conflict resolution. Students explore concepts through assigned fiction and nonfiction readings, research, and discussion. The American Red Cross provides CPR instruction and certification.

Physical Education¹

Physical Education combines the best of online instruction with actual student participation in weekly cardiovascular, aerobic, and muscle toning activities. The course promotes a keen understanding of the value of physical fitness and aims to motivate students to participate in physical activities throughout their lives.

Specific areas of study include: Cardiovascular exercise and care, safe exercising, building muscle strength and endurance, injury prevention, fitness skills and FITT benchmarks, goal setting, nutrition and diet (vitamins and minerals, food labels, evaluation product claims), and stress management. The course requires routine participation in adult-supervised physical activities. Successful completion of this course will require parent/legal guardian sign-off on student-selected physical activities and on weekly participation reports to verify the student is meeting his or her requirements and responsibilities.

Foundations

Math Foundations

Math Foundations offers a structured remediation solution designed to expedite student progress. Students remediate computational skills and conceptual understanding needed to undertake high school-level math courses with confidence. Students develop strategies for honing their problem-solving skills and practice applying specific math skills to a variety of real-world contexts.

Reading Skills and Strategies¹

Reading Skills and Strategies is designed for special education students and for students unable to enroll in an appropriate grade-level course. Students enrolling in this course demonstrate significant deficits on entrance assessments. The focus of this remedial class is to build basic skills. Upon completion of the course, the student should show at least one year's growth on an exit assessment; however, the student may still demonstrate skills significantly below grade level.

Science Foundations

Prerequisite: Middle school/junior high physical science

Science Foundations provides students with opportunities to develop the knowledge, skills, and strategies necessary for success in rigorous high school science courses. The course is appropriate for use as remediation at the high school level or as a bridge to high school.

Writing Skills and Strategies¹

The Writing Skills and Strategies course is designed for special education students and for students unable to enroll in an appropriate grade-level course. Students enrolled in this class have demonstrated significant deficits on entrance assessments; the focus of this remedial class is to build basic skills. Upon completion of the course, the student should show at least one year's growth on an exit assessment; however, the student may still demonstrate skills significantly below grade level.

Business

Macroeconomics⁴

Sophia's Macroeconomics course helps students thoroughly understand the principles of economics related to the economic behaviors on a national and international scale. Students learn the role of fiscal and monetary policy, how broad market systems and the business cycle work, as well as analyze the reasons for and against government interventions in the economy. At the end of the course, students will have achieved the following learning outcomes: describe macroeconomics; examine the principles of market efficiency; analyze monetary, money, and financial systems; and interpret international trade, aggregate demand and supply, and prices and growth.

AP[®] Macroeconomics^{1 2}

In AP[®] Macroeconomics, students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of an introductory-level college class, this course prepares students for the AP exam and for further study in business, political science, and history.

Microeconomics⁴

Sophia's Microeconomics course helps students explore and interpret the behavior of individual consumers and firms in the marketplace. Through this exploration, students will learn how to evaluate decisions, both public and private, with an eye towards production, consumption and transfer of wealth. Students will also learn how to apply conceptual principles of microeconomics in practical ways to everyday life. At the end of the course, students will have achieved the following learning outcomes: describe economics; examine the consumer; analyze the firm; and interpret market interactions: consumer and firm.

AP[®] Microeconomics^{1 2}

AP[®] Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the

influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The equivalent of an introductory-level college course, AP Microeconomics prepares students for the AP exam and for further study in business, history, and political science.

Project Management⁴

Sophia's Project Management course takes students through the life cycle of managing a project, from designing the scope to releasing the project team and celebrating your success. Along the way students will gain applied experience with project planning as well as managing project resources and risks. At the end of the course, students will have achieved the following learning outcomes: analyze the beginning of the project, illustrate the project planning process, apply project management skills, and evaluate project completion.

Introduction to Business⁴

Sophia's Introduction to Business course helps students understand the business world. Students will examine the environment of business, the art and science of marketing, what successful management of human resources looks like, and the basics of business finance and business investment. Students will also learn how these concepts apply to companies of all sizes whether big, small or even entrepreneurial. At the end of the course, students will have achieved the following learning outcomes: describe the environment of business; examine the art and science of marketing; analyze the successful management of human resources; and evaluate finance and investment in business.

Accounting⁴

Sophia's Accounting course helps students gain mastery of the fundamental principles and procedures of the modern practice of accounting. Students will gain practical experience with bookkeeping and preparing financial reports within the context of operating a sole proprietorship. Students will use a problem-solving approach to actively apply key concepts of introductory accounting to realistic case studies. At the end of the course, students will have achieved the following learning outcomes: identify accounting fundamentals; analyze financial reporting; apply principles of accounting for merchandising operations; and analyze advanced accounting topics.

Visual Communications⁴

Sophia's Visual Communications course helps students to gain mastery of the essentials of communicating visually and apply this mastery in context. Students will explore visual theories and learn about the key elements and principles of visual design, with a focus on color, typography, layout, and design analysis. This course emphasizes real world context and the role that visual communications play in today's society. At the end of the course, students will have achieved the following learning outcomes: examine basic visual design concepts; distinguish how color, type, & layout contribute to communication; analyze the role of design in visual communications; and evaluate visual communication processes and products.

Conflict Resolution⁴

Sophia's Conflict Resolution course helps students gain mastery of the basic concepts of

conflict resolution and how to apply these concepts in real world situations and our own lives. Students will explore key theories and skills associated with conflict resolution in a variety of contexts, including organizational, intercultural, family and interpersonal. At the end of the course, students will have achieved the following learning outcomes: describe conflict resolution and theories of conflict; examine the fundamentals of conflict order; develop conflict resolution skills; interpret the role of culture and gender in conflict resolution; analyze group conflict; and apply the strategies of conflict resolution.

Career and Technical Education

Computer Applications¹

Prerequisite: Information Technology Applications is recommended, but not required

Computer Applications provides an introduction to software applications that prepares students to succeed in the workplace and beyond. Students will develop an understanding of professional communications and leadership skills while gaining proficiency with word processing, email, and presentation management software. Students will also be able to demonstrate digital literacy through basic study web publishing and design, spreadsheets and database software.

This course allows students to explore careers in the fields of business and information technology while learning skills applicable to any professional setting. Through a series of hands-on activities, students will create, analyze, and critique reports, letters, project plans, presentations, and other professional communications. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities that are of interest to them.

Computer Applications is an introductory level Career and Technical Education course applicable to programs of study in Business Management and Administration, Information Technology, and other career clusters. This course is built to state and national standards.

Introduction to Business and Marketing¹

Introduction to Business and Marketing provides the foundational knowledge and skills students need for careers in business and marketing. Students begin exploring roles and functions that business and marketing play in a global society, develop an understanding of the market place, as well as understanding product placement and promotion.

Using hands-on activities, students reinforce, apply and transfer academic knowledge and skills to a variety of interesting and relevant real-world inspired scenarios. This course focuses on developing knowledge and skills around marketing, pricing, and distribution, while also focusing on economics and interpersonal skills. This course also addresses exploring career options in marketing as well as securing and keeping a job.

Introduction to Business and Marketing is as an introductory-level Career and Technical course for programs of study in Business Administration and Management. This course is aligned

with state and national standards.

Intermediate Business and Marketing¹

Prerequisite: Introduction to Business and Marketing

Intermediate Business and Marketing provides the intermediate knowledge and skills students need for careers in business and marketing. Students analyze the impact of government, legal systems, and organized labor on business; develop an understanding of business communications and management; and explore legal, ethical, and financial issues in business and marketing. Furthermore, students delve into basic economic concepts including personal finance, economic systems, cost-profit relationships, and economic indicators and trends.

Using hands-on activities, students reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant real-world inspired scenarios. This course focuses on developing knowledge and skills around marketing and management, while also focusing on economics and financial literacy. This course also allows students to explore career options in business and marketing.

Intermediate Business and Marketing is as an intermediate-level Career and Technical course for programs of study in Business Administration and Management. This course is aligned with state and national standards.

Information Technology Applications¹

Information Technology Applications prepares students to work in the field of Information Technology. Students will be able to demonstrate digital literacy through basic study of computer hardware, operating systems, networking, the Internet, web publishing, spreadsheets and database software. Through a series of hand-on activities, students will learn what to expect in the field of Information Technology and begin exploring career options in the field.

Information Technology Applications is an introductory level Career and Technical Education course applicable to programs of study in information technology as well as other career clusters. This course is aligned with state and national standards. Students who successfully complete the course will be prepared to pursue the Microsoft® Office Specialist certifications in Microsoft Word, Microsoft Excel and Microsoft Access, as well as IC3 certification.

Introduction to Health Science¹

Introduction to Health Science provides the foundational knowledge and skills students need for careers in health care. Students begin by exploring the services, structure, and professions of the health care system. The remainder of the course focuses on day-to-day skills and expectations for health professionals, which include promoting wellness, maintaining a safe environment, creating medical records, and practicing good communication, collaboration, and leadership.

Using real-life scenarios and application-driven activities, students learn the responsibilities and challenges of being health care professionals. In addition to building their understanding of technical concepts and skills, students evaluate the qualifications required for specific careers and develop personal career plans to pursue work in the health care industry.

Introduction to Health Science is an introductory-level Career and Technical Education course for programs of study in health sciences. This course is aligned with state and national standards.

Introduction to Information Technology ⁴

Sophia's Introduction to Information Technology course gives students a general overview of information systems, security issues, and how businesses use technology and information systems. Topics include: computer basics, application software, understanding networks and the internet, and software development and IT careers. At the end of the course, students will be able to define different types of hardware, software, operating systems and networks, apply HTML tags, and learn about IT tools used to maintain and evolve information systems.

Intermediate Health Science¹

Prerequisite: Introduction to Health Science

Intermediate Health Science extends the foundations of the Introduction to Health Science course and covers basic medical science, terminology, procedures, and regulations. This course will help guide students toward choosing a specific career path in health services, including career paths in emergency medicine, nutrition, and alternative medicine.

Using real-life scenarios and application-driven activities, students will extend their knowledge of oral and written communication in health science. Students will have an overview of physiology and medical measurements. Students will also synthesize learning from the Introduction to Health Science course by engaging in analysis of real-life scenarios and deepen their knowledge of various career options. In addition, students will expand their understanding of health and safety systems, how to address emergency situations, and deal with infection control issues.

Intermediate Health Science is an intermediate-level Career and Technical Education course for programs of study in health sciences. This course is aligned with state and national standards.

Legal Environment of Business¹

Legal Environment of Business examines the role of the law on all aspects of business ownership and management. Throughout the course, students focus on legal ethics, court procedures, torts, contracts, consumer law, property law, employment law, environmental law, and international law. Students also explore the impact of laws, regulations, and judicial decisions on society at large.

This course allows students to explore careers in business while learning skills applicable to any professional setting. Through a series of hands-on activities, students will prepare legal documents, create a compliance plan, and research consumer protection issues. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities of interest to them.

This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue certifications such as Accredited Legal Professional, Certified Administrative Manager, or Certified Associate in Project Management®.

Human Resources Principles¹

Human Resources Principles examines the main functions of human resources management, including planning, recruitment, selection, training, development, compensation, and evaluation. In so doing, the course provides students with the tools to hire, manage, and fire employees. Students will also explore the unique role of human resources in the larger organization.

This course allows students to explore careers in business while learning skills applicable to any professional setting. Through a series of hands-on activities, students will create a recruiting plan, develop a strategy to promote a positive organizational culture, and analyze the impact of globalization on the human resources. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities of interest to them.

This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue certifications such as Associate Professional in Human Resources, Certified Administrative Manager, or Certified Associate in Project Management (CAPM)®.

Entrepreneurship: Starting Your Business

This course will give students a head start in learning about what they will need to own and operate a successful business. Students will explore creating a business plan, financing a business, pricing products and services, and managing employees.

¹ 0.5 credit course

² These courses have been authorized by the College Board® to use the AP designation. Advanced Placement and AP are registered trademarks of the College Board.

³ Common Core aligned

⁴ Sophia Pathways college credit course. 1.0 High school credit in AZ, CO, MI and WA, and 0.75 high school credit in MN; equivalent to 3 college credits



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