THE PROVIDENCE SCHOOL™

AN ONLINE PROGRAM OF PROVIDENCE COUNTRY DAY SCHOOL

Course Descriptions

Online Academy - September 2020

2020-2021 Course Descriptions

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HIGH SCHOOL ENGLISH

English I (1.0 credit) and Honors English I (1.0 credit): Survey of Literature

This course has been designed to integrate all aspects of Language Arts standards into engaging and interactive units organized around reading, writing, and comprehension skills. Students will dissect and analyze the basic elements of plot, setting, mood, character development, narrative devices, theme, and author's perspective in a variety of literary genres. Students will analyze argumentative, explanatory, and functional texts and will synthesize information from different texts. Students will also create monologues, compare film and written versions of text, cite evidence, compare and contrast texts, and interpret graphic aids. Students are challenged to tap into the power of research as they deepen their understanding of a variety of topics. This course examines the process of writing, vocabulary development, and research skills in English, and reinforces students' strengths in the study of other disciplines such as science, math, world languages, and social studies. Students will explore these strengths through interactive and traditional learning exercises, enhancing their study of Language Arts while mastering the technological skills needed in today's academic environment.

English II (1.0 credit) and Honors English II (1.0 credit): World Literature

This course has been designed to integrate all aspects of Language Arts standards into engaging and interactive units organized around reading, writing, and comprehension skills. Students will dissect the basic elements of plot, setting, mood, character development, narrative devices, theme, and author's purpose. Students will critique arguments and establish patterns of persuasion. They will delve into the language of poetry and experience author's style and voice. They will be exposed to history and culture by way of Greek tragedy and Medieval romance. Students will also experience first-hand the Shakespearean drama by way of the tragedy of Julius Caesar. Students are challenged to tap into the power of research, with units on investigation and the discovery of writing. This course examines the process of writing, vocabulary development, and research skills in English, and reinforces students' strengths in the study of other disciplines such as science, math, world languages, and social studies. Students will explore these strengths through interactive, as well as traditional, learning exercises as they enhance their study of Language Arts and master technological skills necessary in today's academic environment.

Prerequisite: English I recommended

English III (1.0 credit) and Honors English III (1.0 credit): American Literature

This course has been designed to integrate all aspects of Language Arts standards into engaging and interactive units organized around reading, writing, and the comprehension of different text selections from American literature. Students explore passages from the emerging American nation from 1600-1800 with Early American writings and celebrate the Individual from 1800-1855 with the American Romanticism Movement. They explore an age of transition from 1855-1870 with pieces from the Romantic Movement to Realism and capture the American Landscape from 1870-1910 with excerpts from Regionalism and Naturalism. Students are exposed to passages from 1910-1940 encompassing the Harlem Renaissance and Modernism and arouse new perspectives with Contemporary Literature from the 1940s to the present day. Students are challenged to experience the power of research with a variety of projects encouraging investigation and discovery. This course examines the process of writing, vocabulary development, and research skills in English, and reinforces students' strengths in their study of other disciplines such as science, math, world languages, and social studies. Students will explore these strengths through interactive, as well as traditional, learning exercises as they enhance their study of Language Arts and master technological skills necessary in today's academic environment.

Prerequisites: English I & II recommended

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

English IV (1.0 credit) and Honors English IV (1.0 credit): British Literature

This course has been designed to integrate all aspects of Language Arts standards into engaging and interactive units organized around reading, writing, and the comprehension of different text selections from British literature. Students explore passages from the Anglo-Saxon and Medieval periods circa 449-1485. They delve into the English Renaissance, circa 1485-1660, and explore the Restoration and the 18th Century from 1660-1798. Students are expected to capture the essence of the flowering of Romanticism, circa 1798-1832 and are exposed to an era of rapid changes in the Victorian Age from 1832-1901. Students are challenged to tap into the power of research with a variety of projects encouraging investigation and discovery. This course examines the process of writing, vocabulary development, and research skills in English, and reinforces students' strengths in the study of other disciplines such as science, math, world languages, and socials studies. Students will explore these strengths through interactive, as well as traditional, learning exercises as they enhance their study of Language Arts and master the technological skills necessary in today's academic environment.

Prerequisites: English I, II, & III recommended

ADVANCED PLACEMENT® ENGLISH

AP® English Language and Composition (1.0 credit) *†

This course provides high school students with college-level instruction in analyzing and writing various texts. The course covers topics in language and rhetoric as well as expository and persuasive writing. Students become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. The study of texts from both the reader and writer perspectives develops an understanding of the function, effect, and purpose behind the choices writers make, leading students to improve their own composition skills. This course will effectively prepare students for the AP Exam and learning beyond the exam by enabling them to read, analyze, and write about complex texts.

Prerequisites: English I & II

Customer-Provided Required Physical Materials:

Civil War Edition (Module 04): *Choose one of the following:*

- *Zen in the Art of Writing* by Ray Bradbury§
- *On Writing Well* by William Zinsser§

Contemporary Edition (Module 07): *Choose two of the following:*

- *Narrative of the Life of Frederick Douglass* by Frederick Douglass§
- *A Work in Progress: A Memoir* by Connor Franta§
- *The Reason I Jump: The Inner Voice of a Thirteen-Year-Old Boy* with Autism by Naoki Higashida§
- *The Color of Water: A Black Man's Tribute to His White Mother* by James McBride§
- *The Glass Castle: A Memoir* by Jeannette Walls§
- *I am Malala: The Girl Who Stood Up for Education and Was Shot by the Taliban* by Malala Yousafzia§
- *I Know Why the Caged Bird Sings* by Maya Angelou§
- *Dust Tracks on a Road* by Zora Neale Hurston§
- *Incidents in the Life of a Slave Girl* by Harriet Jacobs§
- *The Story of My Life by* Helen Keller§

Student Edition (Module 08): *Choose one of the following:*

- *Pilgrim at Tinker Creek* by Annie Dillard§
- *Nickel and Dimed: On (Not) Getting By in America* by Barbara Ehrenreich§
- *Mountains Beyond Mountains: The Quest of Dr. Paul Farmer, A Man Who Would Cure the World* by Tracy Kidder§
- *The Devil in the White City: Murder, Magic, and Madness at the Fair that Changed America* by Erik Larson§
- *Up from Slavery: An Autobiography* by Booker T. Washington§
- *Into Thin Air* by Jon Krakauer§
- *The Immortal Life of Henrietta Lacks* by Rebecca Skloot§
- *Warmth of Other Suns* by Isabell Wilkerson§

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- *Bury My Heart At Wounded Knee* by Dee Brown§
- *The Boys in the Boat* by Daniel James Brown§

AP® English Literature and Composition (1.0 credit) *†

The AP® English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

Prerequisites: English I, II, & III recommended

Customer-Provided Required Physical Materials:

Required Novels:

- *Barron's How to Prepare for the Advanced Placement Exam English Literature and Composition* by George Ehrenhaft
- *Frankenstein* by Mary Shelley; (found on GP)
- *The Hollow Men* by T. S. Eliot; ISBN-10: 9780156806473, ISBN-13: 978-0156806473
- *Heart of Darkness* by Joseph Conrad; (found on GP)
- *Wuthering Heights* by Emily Brontë; (found on GP)
- *The Grapes of Wrath* by John Steinbeck; ISBN-10: 0143039431, ISBN-13: 978-0143039433
- *Hamlet* by William Shakespeare; (found on GP)
- *Hamlet* video (versions available: Mel Gibson, Kenneth Branagh, Laurence Olivier)
- *The Awakening* by Kate Chopin; (found on GP)
- *The Importance of Being Earnest* video

Choose one of the following for the research paper:

- *The Joy Luck Club* by Amy Tan§
- *Adventures of Huckleberry Finn* by Mark Twain§
- *The Color Purple* by Alice Walker§
- *Glass Menagerie* by Tennessee Williams§

Module 2: *Choose one of the following:*

- *One Hundred Years of Solitude* by Gabriel García Márquez§
- *Great Expectations* by Charles Dickens§
- Jane Eyre by Charlotte Brontë§
- *Adventures of Huckleberry Finn* by Mark Twain§
- *Moby-Dick* by Herman Melville§
- *Tess of the d'Urbervilles* by Thomas Hardy§
- *Pride and Prejudice* by Jane Austen§
- *The Color Purple* by Alice Walker§
- *Things Fall Apart* by Chinua Achebe§
- *The Stranger* by Albert Camus§
- *The Catcher* in the Rye by J. D. Salinger§
- *Beloved* by Toni Morrison§

Module 9: *Choose one of the following:*

- *Things Fall Apart by* Chinua Achebe§
- *A House Made of Dawn* by Scott Momaday§
- *Cry the Beloved Country* by Alan Paton§
- *Othello* by William Shakespeare§

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HIGH SCHOOL MATH

Algebra I (1.0 credit) and Honors Algebra I (1.0 credit)

This course is the foundation for high school mathematics. It is the bridge from the concrete to the abstract study of mathematics. The main goal of Algebra is to develop fluency in working with linear equations and provide a formal development of the algebraic skills and concepts necessary for students to succeed in a wide range of advanced math and science courses. Students will extend their experience with tables, graphs, and equations; solve linear equations, inequalities, and systems of linear equations and inequalities; and begin the process of working with polynomials and quadratic relationships. Algebra I students will extend their knowledge of the number system to include irrational numbers, generate equivalent expressions, and use formulas.

Prerequisite: Math 8 or Pre-Algebra

Algebra II (1.0 credit) and Honors Algebra II (1.0 credit)

A primary goal of Algebra II is for students to conceptualize, analyze, and identify relationships among functions. In this course, the basic concepts from Algebra I are enriched. Topics include equations and inequalities; linear equations; linear systems and matrices; quadratic functions and factoring; polynomials; rational exponents and radical functions; exponential and logarithmic functions; rational functions; quadratic relations and conic sections; trigonometric ratios and functions; trigonometric graphs, identities, and equations; counting methods and probability; data analysis and statistics; and sequences, series, and limits. This course ties together many of the ideas from arithmetic and geometry.

Prerequisite: Algebra I

Precalculus (1.0 credit)

The Precalculus course is designed to prepare students for topics covered in an elementary Calculus course at the college level. It begins with a comprehensive study of functions and moves into an analysis of rudimentary calculus concepts such as the difference quotient and the notion of "taking a limit." In addition to introducing students to terminology and concepts essential to the study of Calculus, this course should also help students develop reasoning and analytical skills which may be applied to problems outside the typical realm of mathematics. Facility with these topics is especially important for students intending to study calculus, physics and other sciences, and/or engineering in college.

Calculus (1.0 credit)

This course is divided into two semesters and is designed to acquaint students with calculus principles such as derivatives, integrals, limits, approximation, and applications and modeling. During this course, students will gain experience in the use of calculus methods and learn how to apply calculus methods practically. Upon completion of this course students will be able to work with functions represented in a variety of ways: graphical, numerical, analytical, or verbal; understand the connections among these; understand the meaning of the derivative in terms of a rate of change and local linear approximation; be able to use derivatives to solve a variety of problems; understand the meaning of the definite integral; be able to use integrals to solve a variety of problems; and understand the relationship between the derivative and the definite integral.

Prerequisites: Algebra 1, Geometry, Algebra 2, and Pre-Calculus or Trigonometry/Analytical Geometry

Customer-Provided Required Physical Materials: graphing calculator (TI83 or above)

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Geometry (1.0 credit) and Honors Geometry (1.0 credit)

Geometry introduces the study of points, segments, triangles, polygons, circles, solid figures, and their associated relationships as a mathematical system. Students will have the opportunity to make conjectures about geometric situations and prove in a variety of ways, both formal and informal, that their conclusions follows logically from their hypotheses. Geometry is meant to employ an integrated approach to the study of geometric relationships. Integrating synthetic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures. Students will extend their pre-existing experiences with algebra and geometry to trigonometry, coordinate geometry, and probability. The main goal of Geometry is for students to develop a Euclidean geometric structure and apply the resulting theorems and formulas to address meaningful problems.

Prerequisite: Algebra I or its equivalent

Statistics (1.0 credit) and Honors Statistics (1.0 credit)

This course is a practical hands-on approach to the study of statistics and probability. Topics include the use of graphs such as histograms, stem plots, time plots, and scatter plots to display data; using numbers such as median, mean, and standard deviation to describe data; and evaluating data distribution. Students examine relationships using correlations and least square regressions. They calculate the probability of simple and compound events. They learn to estimate with confidence, explore tests of significance, and evaluate the validity of statistics contained within published reports.

Customer-Provided Required Physical Materials: graphing calculator (TI83 or above)

ADVANCED PLACEMENT® MATH

AP® Calculus AB (1.0 credit) *†

AP® Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.Daily preparation is required for success. This course fulfills the requirements for the Advanced Placement Calculus AB exam.

Prerequisites: Algebra I, Geometry, Algebra II, and Pre-Calculus or Trigonometry/Analytical Geometry

Customer-Provided Required Physical Materials: calculator approved for use on the AP® exam

AP® Calculus BC (1.0 credit) *†

AP® Calculus BC is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. Daily preparation is required for success. This course fulfills the requirements for the Advanced Placement Calculus BC exam.

Prerequisites: Algebra I, Geometry, Algebra II, and Pre-Calculus or Trigonometry/Analytical Geometry

Customer-Provided Required Physical Materials: calculator approved for use on the AP® exam

AP® Statistics (1.0 credit) *†

AP® Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

Prerequisite: Algebra II

Customer-Provided Required Physical Materials: calculator approved for use on the AP® exam

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HIGH SCHOOL SCIENCE

Biology (1.0 credit) and Honors Biology (1.0 credit)

This course investigates the relationship between structure and function from molecules to organisms and systems the interdependence and interactions of biotic and abiotic components of the environment, and mechanisms that maintain continuity and lead to changes in populations over time. Students will explore biological concepts through an inquiry approach. Embedded standards for inquiry, technology and engineering, and mathematics are taught in the context of the content standards for cells, interdependence, flow of matter and energy, heredity, and biodiversity and change.

Chemistry (1.0 credit) and Honors Chemistry (1.0 credit)

Chemistry is the investigation of atomic and molecular-level properties and interactions. The course begins with properties of matter, atomic structure, and basic atomic bonding. It then lays a mathematical and conceptual groundwork by which more complex molecular interactions can be understood. Chemistry allows students an opportunity to explore substances, their properties, and how the interactions of these substances can generate a different set of properties. This course will provide students with several analytical tools needed for scientific investigation and thought. Chemistry is a necessary component of the student's understanding of physical processes in the world around them.

Environmental Science (1.0 credit)

Environmental Science is a year-long course designed to show thematic connections between a variety of science disciplines including biology, chemistry, and physics. It gives students a coherent and realistic picture of the applications of a variety of scientific concepts as they manifest in our environment. The aim of this course is to increase students' knowledge of environmental challenges of today, while continuing to cultivate scientific critical thinking skills.

Physics (1.0 credit) and Honors Physics (1.0 credit)

This course examines the relationship between matter and energy and how the two interact. This course has a strong emphasis on the mathematics of physics. Students explore physics concepts through an inquiry-based approach. Embedded standards for inquiry, technology and engineering, and mathematics are taught in the context of the content standards for mechanics, thermodynamics, waves and sound, light and optics, electricity and magnetism, and atomic and nuclear science.

ADVANCED PLACEMENT® SCIENCE

AP® Biology (1.0 credit) *†

AP® Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations. The course focuses on topics encompassing evolution; cellular processes and homeostasis; genetics and information transfer; and ecology and biological interactions. The course also emphasizes inquiry-based learning and the development of science practices and skills.

Prerequisites: Biology, Chemistry, and Algebra I recommended

Customer-Provided Required Physical Materials: household items for lab experiments

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AP® Environmental Science (1.0 credit) *†

AP® Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students identify and analyze environmental problems that are natural and human-made. They evaluate the relative risks associated with these problems and examine alternative solutions for resolving or preventing problems. Laboratories support student content mastery in both hands-on and virtual experiences.
Algebra I and two years of high school science, with labs.
Prerequisites: Algebra I and two years of high school science, with labs
Customer-Provided Required Physical Materials: household items for lab experiments

HIGH SCHOOL SOCIAL STUDIES

Economics (0.5 credit) and Honors Economics (0.5 credit)

Economics is the study of how humans make decisions in the face of scarcity. This course introduces the principles and the applications of economics in everyday life. Students develop an understanding of limited resources and compare it with unlimited wants and needs. Students learn how individual and national economic decisions are made to allocate goods and services among competing users. Students will think and problem solve as they focus on understanding economic problems, laws of demand and supply, market organization, labor and financial markets, competition, monopolies, and poverty and economic inequality. A goal of the course is for students to develop the critical skills of analysis, synthesis, and evaluation in a demanding and thoughtful academic setting focused on developing their own views on current economic and monetary issues.

U.S. Government (0.5 credit) and Honors U.S. Government (0.5)

U.S. Government will introduce to students the main concepts that have become inherent within our modern government. Students will learn the function of political systems, the purpose of a party system, how policy is decided, elections, voting, and the basic ideas that are associated with being a participant within a political system. Students will look at the development of our government from its inception to the modern incarnation that it has become. A primary goal of this course will be to teach students the concepts associated with the idea of civil efficacy.

U.S. History (1.0 credit) and Honors U.S. History (1.0 credit)

American History is a course that expands upon basic skills and knowledge acquired from previous history/social studies classes. Students within this course will apply their broader knowledge of historical study and American history to a more specific era within United States history. This course will closely examine American history following the era of post-Reconstruction to illustrate the dynamic growth and change of the nation following the most devastating era of US history, the Civil War. During this course, students will focus on such themes as cultural immigration, ethnic diversity, social problems, political developments, religious diversity, economics, and international diplomacy.

World History (1.0 credit) and Honors World History (1.0 credit)

The purpose of World History is to explore the variety of cultures, beliefs and lifestyles that have existed throughout the globe from the earliest days of human existence. This course will connect students to the world of the past to help them gain an understanding of human progression, and an appreciation for the countless achievements that were necessary to allow us to exist in our modern world.

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ADVANCED PLACEMENT® SOCIAL STUDIES

AP® Human Geography (1.0 credit) *†

The AP® Human Geography course is designed to provide college level instruction on the patterns and processes that impact the way humans understand, use, and change Earth's surface. Students use geographic models, methods, and tools to examine human social organization and its effect on the world in which we live. Students are challenged to use maps and geographical data to examine spatial patterns and analyze the changing interconnections among people and places.

AP® Macroeconomics (0.5 credit) †

AP® Macroeconomics is an introductory college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies.

Prerequisite: Algebra I recommended

AP® Microeconomics (0.5 credit) †

AP® Microeconomics is an introductory college-level microeconomics course. Students cultivate their understanding of the principles that apply to the functions of individual economic decision-makers by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like scarcity and markets; costs, benefits, and marginal analysis; production choices and behavior; and market inefficiency and public policy.

Prerequisite: Algebra I recommended

AP® Psychology (1.0 credit) *†

The AP® Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students will explore and apply psychological theories, concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students will employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.

AP® U.S. Government and Politics (0.5 credit)†

Within AP® U.S. Government and Politics, students develop and use disciplinary practices and reasoning processes to explore political concepts, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students examine core principles, theories, and processes through direct study of U.S. foundational documents and Supreme Court opinions. They also participate in a civic project in which they research, study, and compile data on a political science topic and create a presentation that exhibits their findings and experiences. The AP® U.S. Government and Politics course is structured around five big ideas outlined within the College Board Advanced Placement® United States Government and Politics Course Framework. Each big idea is aligned to enduring understanding statements and learning objectives that focus on key concepts and essential knowledge about foundations of American democracy, civil liberties and civil rights, interactions among branches of government, American political participation, ideologies, and beliefs.

Prerequisite: United States History recommended

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AP® U.S. History (1.0 credit) *†

Within AP® U.S. History, students will develop and use historical thinking skills (chronological reasoning, comparison and contextualization, crafting historical arguments from historical evidence, and historical interpretation and synthesis) to examine the history of the United States from 1491 to the present. Students will learn through active participation as they analyze sources and collaborate to gain a conceptual understanding of U.S. history. The AP® U.S. History course is structured around nine time periods outlined within the College Board Advanced Placement United States History Framework. Each time period is divided into key concepts meant to contextualize history and show continuity and well as change over time. The intention is for students to explore history, establishing economic, political, and social patterns.

Prerequisite: World History recommended

HIGH SCHOOL ELECTIVES

Anatomy & Physiology (1.0 credit)

This course covers the basics of human anatomy and physiology including anatomical terminology, basic biochemistry, cells and tissues, and the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. This course also introduces common human disease processes and will prepare students to take advanced anatomy and physiology courses.

Anthropology I: Uncovering Human Mysteries (0.5 credit)*†

The aim of anthropology is to use a broad approach to gain an understanding of our past, present and future, and in addition address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys to different areas of the anthropological world are just one of the powerful learning tools utilized in this course.

Anthropology II: More Human Mysteries Uncovered (0.5 credit)*†

Anthropology has helped us better understand cultures around the world and through different time period. This course continues the study of global cultures and the ways that humans have made sense of their world. We will examine some of the ways that cultures have understood and gave meaning to different stages of life and death. The course will also examine the creation of art within cultures and examine how cultures evolve and change over time. Finally, we will apply the concepts and insights learned from the study of anthropology to several cultures found in the world today.

Prerequisite: Anthropology I

Art Appreciation (0.5 credit)

Art Appreciation investigates how quality is determined and created by artists, in order to evaluate and appreciate art on a deeper level. Students will be introduced to the elements and principles of art and the importance of artists' context and perspective. The course covers different periods in art history, different techniques in art, and how to research and evaluate art, emphasizing why each contributes to valuing a piece of art and provides the necessary knowledge to do so.

Arts Careers (0.5 credit)

For every Broadway dancer, every television star, and every pop singer, there are countless people behind the scenes helping to make it happen. Arts Careers introduces students to the skills that are part of many fascinating careers in the arts. Studying the arts creates independent and innovative thinkers and many doors are open to an artist with the proper training.

Customer-Provided Required Physical Materials:

- digital camera (camera phone, DSLR and other devices with a camera is acceptable)
- video camera (camera phone, DSLR and other devices with a camera is acceptable)
- video software (iMovie and other video editing software is acceptable)

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Art History (0.5 Credit)

This Art History course integrates the four components of art study: art production, historical and cultural context, critical process and aesthetic process. Students will be able to identify and describe art from prehistoric times to modern time. Throughout this course, students will discuss various artworks, research artists, and create documents and presentations demonstrating concepts learned.

Beginning Painting (0.5 credit)

This course introduces students to classical and contemporary painting, techniques and concepts, with emphasis on the understanding of its formal language and the fundamentals of artistic expression. Painting from still life, landscape, and life models from observation will be geared towards realism; at the same time, various other painting styles could be explored. Color theory, linear perspective, compositional structure, figure/ground relationships, visual perception, spatial concepts, and critical thinking skills will all be emphasized. Students will study and research major painting styles and movements in historical context. The hope is that students will use this global approach to develop a "critical eye" in evaluation of contemporary painting. Acrylic and watercolors are the mediums used in this class. The main emphasis of this course is to encourage and nourish individuality and creativity.

Customer-Provided Required Physical Materials:

- chromacryl tube of acrylic paints
- round brush
- flat brush
- watercolor paints (includes brush)
- set of markers
- painting paper (The pad of paper may be labeled watercolor paper. Please use for all paintings, including acrylic.)
- newsprint paper (This paper is for sketches and testing paints. Do not use for painting projects.)
- 1–4b pencil
- 7 project cardstock pages

Business Law (0.5 credit)

In this course, students will learn about the American legal system. They will examine ethics, court systems, criminal law, and torts. They will explore how the court systems work together, and which types of misconduct result in going to court. As they progress through the course, students will also gain an understanding of what is right and wrong in business actions and employment law. Study will focus on the formation of a business and the basic legal issues associated with each type of business.

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Contemporary Novels (0.5 credit)

For this course, students will read a set of novels and novellas that were written during the twentieth century and reflect themes common to contemporary literature, such as the ability of the human spirit to rise above seemingly-impossible circumstances. Through creative projects and writing assignments, students will identify and analyze each novel's themes and also compare and contrast the novels' treatment of common themes. Please note that, like most contemporary literature, the novels assigned for this course contain realistic situations and language. In addition to the novels listed, each student will read another contemporary novel of his or her choosing that the instructor must approve. MLA (Modern Language Association) documentation is required on all papers submitted.

Customer-Provided Required Physical Materials:

- *Picture Bride* by Yoshiko Uchida; ISBN-10: 9780295976167; ISBN-13: 978-0295976167§
- *Night* by Elie Weisel; ISBN-10: 9780374500016; ISBN-13: 978-0374500016§
- *To Kill a Mockingbird* by Harper Lee; ISBN-10: 0060935464; ISBN-13: 978-0060935467§
- *Fallen Angels* by Walter Dean Myers; ISBN-10: 0545055768; ISBN-13: 978-0545055765§
- *The Old Man and The Sea* by Ernest Hemingway; ISBN-10: 0684801221; ISBN-13: 978-0684801223§
- *Different Seasons* by Stephen King; ISBN-10: 1501143484, ISBN-13: 978-1501143489§

Creative Writing (1.0 credit)

At the beginning of the semester, students consider the importance of word play exercises in improving their facility with language while building a compelling and creative writing style. Focusing on word nuances and precision, later lessons guide students to write in a variety of short modes—including poetry, song lyrics, prose poetry, short short stories, and creative nonfiction. There are several opportunities for peer review in this semester, during which students learn best practices for participating in writing workshops, and then revise their work using feedback from their peers. The second semester focuses on longer works of fiction: short stories, plays, and novels. Students learn basic techniques of plot and character development along with strategies for creating suspense and building a theme, and they have opportunities to write in several different genres. Lessons cover a few special topics as well, including graphic novels, animation, comedy, and improvisation. Students apply what they have learned about writing workshops and revising to the longer pieces of writing they create for this semester.

Digital Media (0.5 credit)

Digital Media is a project-based survey of different forms of digital media, such as digital audio, imaging and illustration, movie editing, and animation. The course is oriented toward teaching broad, flexible tools and concepts that are not tied to any one platform or program. Each module ends with a culminating task (such as a podcast or short film). Students will be able to draft and develop projects as they build their skills over each lesson.

Customer-Provided Required Physical Materials: printer, camera, scanner (optional), and one of the following programs: Audacity, GIMP, Inkscape, DaVinci Resolve (free version), Pencil2D, Blender, GDevelop, or Piskel.

Digital Photography (0.5 credit)

Understanding the tools available in digital photography opens the possibilities to create images with impact. In Digital Photography, students will study the history of photography as well as the basic operation of a digital camera. As they are introduced to different styles of photography and photographers, students will begin to develop artistic skills as well as their own voice through their photographs.

Customer-Provided Required Physical Materials: digital camera (tripod, lenses, lights optional), paper, scissors, glue, access to photo manipulation software.

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

Drawing (0.5 credit)

In Basic Drawing, students will experiment with several different art materials and tools to see what each tool can do best. Students will explore ordinary things around them to become more observant of the structures and meanings of things which can be seen in your their home and community. Your work will be your own study of the forms, textures, movements, and patterns of the things that you see every day.

Each project and each lesson is based on the one before it; so always do the lessons in the order they are given. Be sure to follow the directions exactly regarding which materials, sizes, and subject matter to use for each project. Each lesson will be a study of a new way of drawing. The examples given will show only the method and materials to be used, never the same subject or size as the project assigned. The examples are never to be copied. An example will only show one way of using the technique described. By becoming more observant, by experimenting with new materials, and by exploring a variety of methods, students will continue to grow in artistic skill and enjoyment. Beyond fundamental skills are various levels of creativity. Each lesson provides room for expressing the technical skill learned in a unique, creative way.

Customer-Provided Required Physical Materials:

- 1 drawing pencil, 2B
- 1 round hair brush #10
- 1 bottle India Ink, black
- 1 Pilot Varsity Pen, self-contained black ink
- 2 conté crayons: white, black
- 1 Art gum eraser
- 1 white, wax Crayola crayon
- 40 sheets white drawing paper, 9×12
- 5 sheets construction paper, 9×12, black
- 15 sheets grey construction paper, 9×12
- 14 large envelopes, 10 x 13
- 2 sheets white watercolor paper (rough, heavy, stiff)
- 2 sheets rice paper 9 1/2 x12 (soft, translucent)
- 25 sheets newsprint, 9×12
- 1 bottle white glue (obtain locally)

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

Earth Science (1.0 credit)

In this course, students will learn about scientific inquiry, the structure and composition of the universe, and features of the solar system. Students learn the importance of scientific inquiry and how to communicate the results of scientific investigations. Specific topics include the Big Bang theory; the motions of celestial objects; stellar evolution; features of the sun and planets; weather, climate, and earth's water cycle; the atmosphere and clouds; factors that influence local and global climate; the physical structure of the earth and earth's tectonic system; weathering, erosion, and soil formation; the earth as a system; geologic history, including the evolution of Earth's atmosphere, the geologic time scale, and the fossil record; natural resources and the effects of human population on natural resources; how science and technology work together, and the technological design process in earth science applications.

Prerequisites: Pre-Algebra, Physical Science 8

Customer-Provided Required Physical Materials:

- uninflated round balloon
- permanent marker
- 50 small candies that have letters on one side of them (like M&Ms or Skittles)
- a small zipper seal plastic bag
- two kitchen mixing bowls
- ice cubes
- water
- a permanent marker
- a block of wood
- a pair of pliers
- a pair of needle-nose tweezers
- a slotted spoon
- a drinking straw
- sunflower seeds in the shell
- colored water
- a long narrow vase
- rice grains
- small block of Styrofoam
- 3 or 4 large marshmallows
- a teaspoon of herbs (any kind will do, like basil or parsley)

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

Engineering and Product Development (0.5 credit)

This semester-long course provides an overview of the concepts of product engineering and development. Students analyze the life cycle of a product to prepare a product for distribution and for target markets. The course begins with building an understanding of the product life cycle, from the initial idea to drafting requirements to using 3-D modeling tools and other design tools. The final unit focuses on assembling the pieces within a project plan to achieve a product and evaluating the plans for a successful product launch. In addition, the course provides information about the different careers available to students interested in engineering, product development, and project management.

Fashion and Interior Design (0.5 credit) *†

Do you have a flair for fashion? Are you constantly redecorating your room? If so, the design industry might just be for you! In this course, you'll explore what it is like to work in the industry by exploring career possibilities and the background that you need to pursue them. Get ready to try your hand at designing as you learn the basics of color and design then test your skills through hands-on projects. In addition, you'll develop the essential communication skills that build success in any business. By the end of the course, you'll be well on your way to developing the portfolio you need to get your stylishly clad foot in the door of this exciting field.

Customer-Provided Required Physical Materials:

- clothing items
- sewing machine
- digital camera
- thread
- fabric
- clothing patterns
- measuring tape
- sketchpad
- paper
- scissors

Film and Television (0.5 credit)

The culture of cinema and television tells a unique story of history and innovation. Students in Film and Television will be introduced to industry icons and stars of the big and small screen. By studying and writing about film and television, students will analyze trends in technology and culture and better understand how to be an informed viewer.

French I (1.0 credit)

French I is designed to focus on successful communication through speaking, writing, reading, and listening, and provides a thorough grounding in aspects of culture. Activities blend different forms of communication and culture to ensure that students meet all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. Learning activities in each unit are focused upon a specific theme.

French II (1.0 credit)

French II is designed to focus on successful communication through speaking, writing, reading, and listening, and provides a thorough grounding in aspects of culture. Activities blend different forms of communication and culture to ensure that students meet all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. Learning activities in each unit are focused upon a specific theme.

Prerequisite: French I

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

French III (1.0 credit)

In this course, students will deepen their understanding of French by focusing on the three modes of communication: Interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach students how to understand more difficult written and spoken passages, communicate with others through informal speaking and writing interactions, and express their thoughts and opinions in more formal spoken and written contexts. Students will be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; read and analyze important pieces of French literature; and take frequent assessments to monitor progress. The course is conducted almost entirely in French, and is aligned to national standards as set forth by ACTFL (American Council on the Teaching of Foreign Languages).

Prerequisite: French II

German I (1.0 credit)

This introductory course teaches basic communication and comprehension in German. It coordinates the study of language with culture through the use of video, audio, and mass media. This course introduces the fundamentals of German conversation and grammar. Students will begin to develop a functional competency in the four primary language areas: Speaking, reading, listening, and writing; and establish a solid grammatical base. In the second semester, students will further develop their skills in pronunciation, grammar, grammar structures, and vocabulary. The different cultures of the German-speaking world are emphasized through readings, videos, and other activities.

German II (1.0 credit)

In this course, students will build on their German grammar and language skills. Students will review basic grammar skills, learn and study stem-changing verb conjugation, and explore cultural themes regarding current events, famous German people, music, and festivals. In the second semester, students will increase their proficiency by forming more complex sentences. Cultural themes are entwined throughout the course.

Prerequisite: German I

Health and Fitness (1.0 credit)

The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. The course provides opportunities to prepare for and implement healthy actions and set personal goals. Students will engage in daily physical activity, design a personal fitness plan, and monitor progress as they implement their fitness plans. Nutrition and other healthy lifestyle topics are covered.

Health Science Concepts (1.0 credit)

This year-long course introduces high school students to the fundamental concepts of anatomy and physiology—including the organization of the body, cellular functions, and the chemistry of life. As they progress through each unit, students learn about the major body systems, common diseases and disorders, and the career specialties associated with each system. Students investigate basic medical terminology as well as human reproduction and development. Students are introduced to these fundamental health science concepts through direct instruction, interactive tasks, and practice assignments. This course is intended to provide students with a strong base of core knowledge and skills that can be used in a variety of health science career pathways.

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

JavaScript Game Design (0.5 credit)

JavaScript is one of the best languages to learn, it makes the browser come alive! This course will teach students JavaScript through coding multiple computer games including, pong, fish, a platformer and tower defense! They then will code or customize their own game! Students will be writing all the code themselves from going through the individual lessons and watching the video reviews. They will learn about variables, functions, listening events, loops, arrays and objects. This course assumes no coding experience and includes self graded quizzes and tests. Students will also upload their work at the conclusion of each project while creating an online portfolio.

Customer-Provided Required Physical Materials: Students will need a Windows PC or Mac for this course; Chromebooks and tablets are not sufficient.

Latin I (1.0 credit)

This first year Latin course is designed for high school students who are new to the Latin language. Students will learn the basics of Latin grammar beginning with nouns of the first three declensions and verbs in the present active system, including imperfect and future tenses. Students will also be introduced to the history of ancient Rome and some of the people who made that history. A strong knowledge of Latin will also help students to understand the roots of many English words, and especially the more difficult words where students can often discover Latin roots that hold clues to their meaning. The knowledge of Latin Grammar will assist students with their writing and comprehension of language in general.

Latin II (1.0 credit)

Latin II focuses on communication through speaking, writing, reading and listening, as well as a thorough grounding in aspects of culture. Unit activities blend different forms of communication and culture to ensure that students meet all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes and exams. Learning activities in each unit are focused upon a specific theme.

Prerequisite: Latin I

Latin III (1.0 credit)

Latin III continues to focus on successful communication through speaking, writing, reading and listening while developing advanced proficiency in the language and culture. They expand their knowledge of archaeological evidence, art, and literature as reflections of Roman perspectives and practices. They examine the Roman political system, the multicultural aspects of the Roman Empire, and the role of geography in military history and compare these to similar aspects of United States politics, culture, geography, and history.

Prerequisite: Latin II

Marine Science (0.5 credit)

About 70% of the Earth is covered by water. Even today, much of the world's oceans remain unexplored. Marine scientists make exciting new discoveries about marine life every day. In this course, students will discover the vast network of life that exists beneath the ocean's surface and study the impact that humans have on the oceans.

Media and Communication (0.5 credit)

From banner ads to billboards, newspaper articles, and Facebook feeds, people are constantly sharing ideas. This course looks at the many facets of mass media. Students will learn how the media shapes every aspect of our lives. We examine the role of newspapers, books, magazines, radio, movies, television, and the growing influence of Facebook, YouTube, and Twitter.

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

Music Appreciation (0.5 credit)

In this course, students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

Nutrition (0.5 credit)

This course takes students through a comprehensive study of nutritional principles and guidelines. Students will learn about world-wide views of nutrition, nutrient requirements, physiological processes, food labeling, healthy weight management, diet related diseases, food handling, nutrition for different populations, and more. Students will gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.

Paleontology (0.5 credit)

In this course, students will learn about the creatures both large and small that roamed the earth before modern man. Students will watch videos from experts at the Royal Tyrrell Museum, a leading paleontology research facility, and discover how the field of paleontology continues to provide insight into early life on earth.

Photojournalism (0.5 credit)

A powerful image can tell an eloquent story without words. Students in Photojournalism will be introduced to some of the pioneers who set the standards for this unique way of storytelling. As they study the principal types of photojournalism and the ethical responsibilities a photojournalist has behind the lens, students will develop their own storytelling skills through their writing and their photographs.

Customer-Provided Required Physical Materials: digital camera (tripod, lenses, lights optional)

Physical Science (1.0 credit)

This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life.

Customer-Provided Required Physical Materials: lab materials

Python Multiplayer Adventure (0.5 credit)

Python is a powerful language designed to do just about anything! This course allows students to learn Python by first completing a text based console game and then turning it into a multiplayer adventure! Students will not only learn Python from going through the individual lessons and video reviews but also understand a client server relationship. They will get to code in their own python web server that allows connections through a browser. Students will gain experience using variables, classes, functions, lists, dictionaries, generators and proper Python formatting. This is a great course for anyone interested in preparing themselves for future coding classes. This course assumes no coding experience and includes self graded quizzes and tests.

Customer-Provided Required Physical Materials: students will need a Windows PC or Mac for this course; Chromebooks and tablets are not sufficient.

Spanish I (1.0 credit)

Spanish 1 is designed to develop an authentic and practical understanding of the Spanish language and culture. Students will have the ability to express their thoughts, feelings, and opinions in the target language within basic, real-life situations and learning scenarios. All new concepts, grammatical concepts, and cultural information will be introduced in context while incorporating various listening, speaking and writing activities.

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

Spanish II (1.0 credit)

In this course, students will build upon the foundation developed in Spanish I. They continue to build vocabulary, learn new verb tenses and grammar concepts, and improve their ability to communicate with others. Students will learn new concepts such as reflexive verbs, infinitive expressions, commands, the imperfect tense. They will explore new countries where Spanish is spoken and monitor current events in the Spanish-speaking world.

Prerequisite: Spanish I

Spanish III (1.0 credit)

In this course, students will continue to develop their abilities in reading, writing, speaking, and understanding Spanish through a systematic review of its structure. Students focus on applying vocabulary in a wider array of situations by learning about the past progressive and subjunctive moods and the present perfect, future, and conditional tenses.

Prerequisite: Spanish II

Theater Studies (0.5 credit)

Have you ever wondered how a play goes from the playwright's mind all the way into a multi- million dollar Broadway production? In this course, you'll learn the whole process! This course provides a thorough introduction to the theater by providing an overview of major topics in theater studies, with a blend of theoretical and practical lessons. In the first half of this course you will learn about the definitions of theater, theater history, and contemporary theatrical genres. The second of half of the course will guide you through all of the elements of putting on a professional theatrical production. You will learn about the entire production process, from playwriting through opening night, including elements of technical theater, the rehearsal process, and audience response. Whether you're an aspiring actor, technician, director, or producer, or even just an avid theater-goer, this course is for you.

World Geography and Cultures (1.0 credit)

In this course, students will learn to use the skills of map reading and development, geographic technology, and the recognition of geographic themes to make sense of the world. The course examines world regions including the nations, people, and cultures of the Americas and Western Europe, Central Europe and Northern Eurasia, Central and Southwest Asia, South Asia, Africa, East Asia, and the Pacific.

ADVANCED PLACEMENT® HIGH SCHOOL ELECTIVES

AP® Art History (1.0 credit) *†

Within AP® Art History, students will explore the interconnections between art, culture, and historical context using critical analysis through the critical lenses of artistic expression, cultural awareness, and purpose. Using a defined art historical skill set and reflective learning, students will analyze relationships across cultures with a global lens. The examination of how people have responded to and communicated their experiences through art will enable students to think conceptually about art ranging from prehistoric to contemporary. Students will be active participants, engaging with art and its context as they read, research, and collaborate to learn about art, artists, art making, and responses to and interpretations of art.

Prerequisite: World History recommended

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

AP® French Language & Culture (1.0 credit) *†

AP® French Language and Culture is taught exclusively in French and focuses on proficiency across the three modes of communication: Interpretive, interpersonal, and presentational. Students will be exposed to authentic materials that are representative of the French-speaking world. Materials include but are not limited to a variety of media including newspaper and magazine articles, literary works, podcasts, videos, movies, and blogs. Students will be expected to communicate at the advanced level as defined in the ACTFL (American Council on the Teaching of Foreign Languages) performance guidelines.

Customer-Provided Required Physical Materials:

- The textbook below is required to purchase for Semester B (Jan-May)
    - *Barron's AP French Language and Culture*; ISBN-13: 978-1438011752; ISBN-10: 143801175X

AP® Latin Language and Culture (1.0 credit) *†

This Advanced Placement® course focuses on the in-depth study of selections from two of the greatest works in Latin literature: *Vergil's Aeneid* and *Caesar's Gallic War*. Students cultivate their understanding of classics through preparing and translating readings and considering themes in the context of ancient literature as they explore concepts like literary techniques, Roman values, war and empire, leadership, views of non-Romans, history and memory, and human beings and the gods and prepares students for the AP® Latin Language and Culture exam.

Prerequisite: Latin III

AP® Spanish Language & Culture (1.0 credit) *†

AP® Spanish Language and Culture is taught exclusively in Spanish and focuses on proficiency across the three modes of communication: Interpretive, interpersonal, and presentational. Students will be exposed to authentic materials that are representative of the Latin-speaking world. Materials include but are not limited to a variety of media including newspaper and magazine articles, literary works, podcasts, videos, movies, and blogs. Students will be expected to communicate at the advanced level as defined in the ACTFL (American Council on the Teaching of Foreign Languages) performance guidelines.

Customer-Provided Required Physical Materials:

- The textbook below is required to purchase for Semester B (Jan-May)
    - *Cracking the AP Spanish Language & Culture Exam with Audio CD*, 2020 Edition; ISBN-13: 978-0525568346; ISBN-10: 0525568344

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

MIDDLE SCHOOL LANGUAGE ARTS

Language Arts 6

Semester A of English 6 is divided into two main categories: Storytelling and Heroes. Student assignments will include writing a narrative essay and completing a book report. Semester B covers two additional main topics: Myth and Poetry. Students will complete assignments including writing an original fairy tale and composing a poem.

Customer-Provided Required Physical Materials:

Required Novels:

- *The Watsons Go To Birmingham* by Christopher Paul Curtis; ISBN-10: 9780440414124; ISBN-13: 978-0440414124§
- *The Giver* by Lois Lowry; ISBN-10: 9780544336261, ISBN-13: 978-0544336261§

Optional Novels (Choose 2):

- *The House of Dies Drear* by Virginia Hamilton; ISBN-10 : 1416914056, ISBN-13 : 978-1416914051§
- *Walk Two Moons* by Sharon Creech; ISBN-10: 0064405176, ISBN-13: 978-0064405171§
- *The Westing Game* by Ellen Raskin; ISBN-10: 014240120X; ISBN-13: 978-0142401200§
- *Freak the Mighty* by Rodman Philbrick; ISBN-10: 9780439286060; ISBN-13: 978-0439286060§
- *Seedfolks* by Paul Fleischman; ISBN-10: 0590511904; ISBN-13: 978-0064472074§
- *True Confessions of Charlotte Doyle* by Avi; ISBN-10: 0545477115; ISBN-13: 978-0545477116§

Language Arts 7

Through analysis of written, spoken, and multimedia texts, students will become more critical consumers of information and various forms of media. They will synthesize and organize ideas to prepare structured narrative, persuasive, and expository essays. A review of basic English mechanics is included in many of the writing lessons, along with a discussion of levels of formality required for different purposes and audiences. Students will work in many modalities, including audiovisual presentations, videos, interactive activities, projects, and discussions. they will study the English language closely—both its history and evolution, and ways it can be used to convey meaning in poetry, drama, and humorous or satirical texts.

Customer-Provided Required Physical Materials:

Required Novels:

- *Julie of the* Wolves by Jean Craighead George; ISBN-10: 0064400581, ISBN-13: 978-0064400589§
- *The Outsiders* by S.E. Hinton; ISBN-10: 014240733X, ISBN-13: 978-0142407332§

Optional Novels (Choose 2):

- *Where the Red Fern Grows* by Wilson Rawls; ISBN-10: 0440412676; ISBN-13: 978-0440412670§
- *Nothing But the Truth, Isham*, by Frederic Stewart; (found on GP) §
- *The Cay* by Theodore Taylor; ISBN-10: 0440416639; ISBN-13: 978-0440416630§
- *A Christmas Carol,* by Charles Dickens; (found on GP) §
- *A Day No Pigs Would Die* by Robert Newton Peck; ISBN-10: 0679853065; ISBN-13: 978-0679853060§

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

Language Arts 8

In this course, students will master the Standard American English writing style, allowing them to express their ideas clearly and effectively. Students will analyze the poetry of noted writers such as Seamus Heaney, Robert Frost, and Jane Kenyon, Lessons focus on sentence structure, verb tenses, punctuation, and grammar rules and logic, formal letter writing, biographical essays, and creating a bibliography. Students will practice effective research techniques and prepare reports and essays using strategies such as the Sign and Design Mind and Clustering to help form their ideas and develop stories and arguments. Through careful study of parts of speech, verb forms, and sentence clauses, students will be prepared to write at the high school level.

Customer-Provided Required Physical Materials:

Required Anthology:

- *Poetry Speaks Who I Am* by Elise Paschen – ISBN-10: 1402210744, ISBN-13: 978-1402210747§

Required Novels:

- *Roll of Thunder, Hear Me Cry* by Mildred D. Taylor; ISBN-10: 0142401129, ISBN-13: 978-0142401125§
- *Diary of a Young Girl* by Anne Frank; ISBN-10: 9780553296983, ISBN-13: 978-0553296983§

Optional Novels (Choose 2):

- *My Brother Sam is Dead* by James Lincoln Collier; ISBN-10: 0439783607, ISBN-13: 978-0439783606§
- *Across Five Aprils* by Irene Hunt; ISBN-10: 0425182789; ISBN-13: 978-0425182789§
- *The Ox-Bow Incident* by Walter Van Tilburg Clark; ISBN-10: 0812972589, ISBN-13: 978-0812972580§
- *That Was Then, This is Now* by S. E. Hinton; ISBN-10: 0140389660, ISBN-13: 978-0140389661§
- *The Pearl* by John Steinbeck; ISBN-10: 014017737X, ISBN-13: 978-0140177374§

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

MIDDLE SCHOOL MATHEMATICS

Mathematics 6

In this course, students will build on their basic math skills , learning how to add, subtract, multiply, and divide integers, decimals, and fractions. Lessons also explore ratios and proportions, the order of operations, and how to use these in solving application problems. Students will be introduced to the basics of algebra and algebraic expressions. They will learn how to apply these problem-solving skills to percentages and solving single- and multiple-step equations, along with Geometry, probability, and statistics.

Mathematics 7

In this course, students will work with problem-solving skills, beginning with basic algebra skills, geometry, decimals, fractions, data analysis, number theory and patterns, percentages, and integer use. Following this, they will work with fractions; unit conversions; proportions and rates; percentages; geometry topics including lines, angles, polygons, polyhedrons, perimeter, area, surface area, volume, and transformations; squares and square roots; permutations and combinations; and probability. Real-life application of concepts is emphasized in all units.

Math 8: Pre-Algebra

This course will help students move from the world of simple mathematics to the world of Algebra and Geometry, learning to solve real world problems. Students will be introduced to increasingly abstract concepts and given a concrete understanding of the basics for algebraic thinking. With numerous hands-on activities and demonstration videos, they will have multiple opportunities to enhance their process solving skills.

Algebra I (High School Course – 1.0 credit)

Algebra I introduces students to the world of Algebra through expressions and equations. Students will evaluate algebraic expressions, solve linear equations and graph them. This course also steers students through various real-world scenarios with the emphasis on using basic statistics to interpret the information given and found. Students will work with problems and applications that involve exponents, quadratic equations, polynomials and factoring methods, rational and radical equations, data analysis and probability.

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

MIDDLE SCHOOL SCIENCE

Life Science 6

Life Science is the study of cells, heredity, biological populations, and their changes over time. It includes human biology, ecology, diversity of organisms and the history and nature of science. In this course, students will have the opportunity to conduct and design experiments, as well as identify and classify organisms. Students will work on developing skills in data recording, classifying, measuring, observing, hypothesizing, analyzing, evaluating, and inferring.

Earth and Space Science 7

In this course, students will learn about the scientific method and hone their use of scientific measurements in earth and space science. Lessons cover earth maps and globes; finding specific locations using latitude and longitude; earth movements; seasons; the moon; tides; solar and lunar eclipses; the role of the sun; planets asteroids, meteors, comets and their orbits; how force gravity works; and stars, constellations, nebula, the Milky Way and galaxies beyond. Students benefit from the most updated information available in areas of new discovery. In earth science. students will study rocks and minerals, volcanoes, earthquakes, undersea ridges, trenches and mountains, and how geologic history helps explain these phenomena. Students will study soil and erosion, water in all its forms, and the atmosphere. they will explore the professions that currently exist in science and technology fields.

Physical Science 8

This course is an introduction to the physical sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life.

Customer-Provided Required Physical Materials: Basic Kitchen Lab Supplies

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

MIDDLE SCHOOL SOCIAL STUDIES

Social Studies 6

This course introduces students to the beginnings of ancient civilization. Students will trace the path of human origins in Africa and follow the path of migration around the Earth. This course will help students understand why we study history and the process in which we form conclusions about events in the past. Students will begin to learn about major ancient civilizations and their cultures, and trace the path of human civilization from the Mediterranean through the Eastern world. An emphasis will be placed on critical thinking and connecting themes in history to our modern world.

Social Studies 7

This course emphasizes how ideas, events, and philosophies have shaped the history of the United States. Students will learn about America's past while mastering the skills of historical interpretation. Study begins with the earliest arrivals of people and ends with the conclusion of the Civil War. Students will focus on how historical ideas, events, and philosophies have shaped the United States since Reconstruction.

Social Studies 8

In this course, students will understand the significance of government, law, and politics. They will examine foundational U.S. documents and how they shaped the Unites States government. Students will examine the purposes and functions of federal and state government, law, and political systems. They will evaluate their role and civic responsibility, including voting and being a productive member of society. Students will closely examine the justice system, local government, the environment, and the economy. They will also learn proper ways to interact in society including interpersonal skills and respecting differences in others such as disabilities.

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

MIDDLE SCHOOL ELECTIVES

Art Appreciation

In this course, students will examine the elements of art and principles of design. They will explore how artists have used these elements and principles in the creation of art for centuries. Through their exploration, students will understand what makes a given artwork a masterpiece, why artists create art, and the hallmarks of different periods and schools of thought.

Art Explorations

The Arts Explorations course encourages students to experience each of the modern arts disciplines -- Visual Arts, Theatre, Music, Media Arts, and Dance. Students will also be able to identify areas of special interest where they would like continued study and the ways that the arts can be a part of their career paths.

Beginning Painting

This course introduces students to classical and contemporary painting techniques and concepts, with emphasis on the understanding of a formal language and the fundamentals of artistic expression. Painting still lives, landscapes, and life models from observation will let students explore realism as well as other painting styles. Color theory, linear perspective, compositional structure, figure/ground relationships, visual perception, spatial concepts, and critical thinking skills are emphasized. Students will study and research major painting styles and movements in historical context, developing a "critical eye" in evaluation of contemporary painting. Emphasis is on encouraging individuality and creativity.

Customer-Provided Required Physical Materials:

- chromacryl tube of acrylic paints
- round brush
- flat brush
- watercolor paints (includes brush)
- set of markers
- 1–4b pencil
- painting paper (The pad of paper may be labeled watercolor paper. please use for all paintings, including acrylic.)
- newsprint paper (This paper is for sketches and testing paints. do not use for painting projects.)
- 7 project cardstock pages

Drawing

In this course, students will experiment with different art materials and tools to see what each can do best. Students will become more observant of the structures and meanings of things which can be seen, studying the forms, textures, movements, and patterns of things we see every day. Each lesson exposes a new way of drawing. and provides students room for expressing new technical skills in unique and creative ways.

Customer-Provided Required Physical Materials:

- 1 drawing pencil, 2B
- 1 round hair brush #10
- 1 bottle India Ink, black
- 1 Pilot Varsity Pen, self-contained black ink
- 2 conté crayons: white, black
- 1 Art gum eraser
- 1 white, wax Crayola crayon
- 40 sheets white drawing paper, 9×12
- 5 sheets construction paper, 9×12, black
- 15 sheets grey construction paper, 9×12
- 14 large envelopes, 10 x 13

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.

- 2 sheets white watercolor paper (rough, heavy, stiff)
- 2 sheets rice paper 9 1/2 x12 (soft, translucent)
- 25 sheets newsprint, 9×12
- 1 bottle white glue (obtain locally)

French I (High School Course – 1.0 credit)

This course focuses on developing listening skills by repeated exposure to the spoken language. Speaking skills are encouraged through recommended assignments using voice tools. Reading and writing skills, as well as language structures, are practiced through meaningful, real-life contexts. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

French II (High School Course – 1.0 credit)

This course enhances the language skills developed in Level 1. Vocabulary and grammar structures are expanded to help students move towards an intermediate comprehension level. Students enhance their speaking and listening skills through real-life activities, and their listening skills through online dialogues. Reading and writing skills are developed through meaningful activities and culturally-related articles of interest. Students will explore French-speaking areas around the world.
Prequisite: French I

German I (High School Course – 1.0 credit)

This introductory course teaches basic communication and comprehension in German. It coordinates the study of language with culture through the use of video, audio, and mass media. This course introduces the fundamentals of German conversation and grammar. Students will begin to develop a functional competency in the four primary language areas: Speaking, reading, listening, and writing; and establish a solid grammatical base. In the second semester, students will further develop their skills in pronunciation, grammar, grammar structures, and vocabulary. The different cultures of the German-speaking world are emphasized through readings, videos, and other activities.

German II (High School Course – 1.0 credit)

In this course, students will build on their German grammar and language skills. Students will review basic grammar skills, learn and study stem-changing verb conjugation, and explore cultural themes regarding current events, famous German people, music, and festivals. In the second semester, students will increase their proficiency by forming more complex sentences. Cultural themes are entwined throughout the course.
Prequisite: German I

JavaScript Game Design

JavaScript is one of the best languages to learn, it makes the browser come alive! This course will teach students JavaScript through coding multiple computer games including, pong, fish, a platformer and tower defense! They then will code or customize their own game! Students will be writing all the code themselves from going through the individual lessons and watching the video reviews. They will learn about variables, functions, listening events, loops, arrays and objects. This course assumes no coding experience and includes self graded quizzes and tests. Students will also upload their work at the conclusion of each project while creating an online portfolio.
Customer-Provided Required Physical Materials: Students will need a Windows PC or Mac for this course; Chromebooks and tablets are not sufficient.

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Music Appreciation

In this course, students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

Python Multiplayer Adventures

This course allows students to learn the Python language by first completing a text-based console game and then turning it into a multiplayer adventure! Students will learn Python and understand the client-server relationship. They will code in their own python web server, using variables, classes, functions, lists, dictionaries, generators, and proper Python formatting. This course assumes no coding experience and includes self-graded quizzes and tests.

Customer-Provided Required Physical Materials: Students will need a Windows PC or Mac for this course; Chromebooks and tablets are not sufficient.

Scratch Coding

Scratch is a program developed by MIT which teaches students the basics of how computers think. This course will introduce students to coding programs and allow them to drag and drop coding blocks to create a fully functional program. The user interface and tutorials allow students to quickly create and run their code to see its results. This course assumes no prior computer coding knowledge and includes self-graded quizzes and tests.

Customer-Provided Required Physical Materials: Students will need a computer or laptop for this course; tablets are not sufficient.

Spanish I (High School Course – 1.0 credit)

Spanish I is designed to develop an authentic and practical understanding of the Spanish language and culture. Students will learn to express their thoughts, feelings, and opinions in Spanish using basic, real-life situations and learning scenarios. New concepts, grammar, and cultural information will be introduced in the context of various listening, speaking, and writing activities.

Spanish II (High School Course – 1.0 credit)

In this course, students will build upon the foundation developed in Spanish 1. They continue to build vocabulary, learn new verb tenses and grammar concepts, and improve their ability to communicate with others. Students will learn new concepts such as reflexive verbs, infinitive expressions, commands, the imperfect tense. They will explore new countries where Spanish is spoken and monitor current events in the Spanish-speaking world.

*Customers must purchase the full year of the course. †Increased cost for course. §May be found in the public domain.