

WASHINGTON ACADEMY ONLINE SYLLABI

2021-2022 Academic Year

ENGLISH

English I (English 9)

- ***This course is divided into Parts A & B***
- **Description:** English for grade 9 is an integrated curriculum. Each unit contains thematically related lessons in five domains: reading and the study of literature, reading informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Topics are presented in ways that help young adolescents relate literacy skills to other aspects of their lives. Writing assignments include narrative, expository, and persuasive/argumentative modes and emphasize the use of and details and reasoning to support ideas. Speaking and listening lessons in PART A emphasize collaborative discussion skills and peer review. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit. In part B, students will address readings and the study of literature, reading informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Topics are presented in ways that help young adolescents relate literacy skills to other aspects of their lives. Writing assignments include narrative, expository, and persuasive/argumentative modes and emphasize the use of and details and reasoning to support ideas. Speaking and listening lessons in PART A emphasize collaborative discussion skills and peer review. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.
- **Required Materials:** *Old Man & the Sea & Ender's Game* (free digital versions are made available to students)
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 120

English II (English 10)

- ***This course is divided into Parts A & B***
- **Description:** English for grade 10 is an integrated curriculum, with each unit consisting of thematically related lessons in five domains: analyzing literature, analyzing informational

text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. The skills that students practice for this course are similar to the skills in English 9 but require more independence and depth of thought. An introductory lesson at the start of each unit helps students identify any areas of weakness and review those topics before starting the more challenging grade 10 lessons. Writing assignments required in Part A of this course include fiction, expository, and persuasive, and analytical modes, emphasizing the use of details, evidence, and reasoning to support ideas. Speaking and listening lessons in Part A cover collaborative discussion skills, the peer review process, and how to plan and deliver informative speeches and presentations. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit. Like Part A, Part B consists of integrated units focused on a theme or mode of study. The literature study in Part B focuses on the analysis of different forms of literature and as well as the evaluation of various modes and forms of writing. Writing and informational text lessons guide students through the stages of a rigorous research process and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

- **Required Materials:** *Animal Farm & Lord of the Flies* (free digital versions are made available to students)
- **Difficulty Level:** 4/5
- **Estimated Hours to complete course:** 120

English III (English 11)

- ***This course is divided into Parts A & B***
- **Description:** English for grade 11 is an American Literature course, with units organized chronologically according to periods in literary history. As students read foundation works of literature and other historical documents written between 1600 and 1900, they'll review and extend skills in five domains: analyzing literature, analyzing informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Each module or unit begins with a lesson that provides historical context for the era and introduces themes that emerged in the literature of that era. Each lesson provides students with an opportunity to review basic analysis skills before applying those skills to works of literature or key historical documents. Lessons focused on more difficult historical documents include activities that help students comprehend the complex ideas in these works. Writing modes addressed in Part A of this course include narrative, reflective, persuasive, and analytical modes. Assignments emphasize the use of details, evidence, and reasoning to support ideas; writing lessons include model essays that demonstrate key features of each mode. The speaking and listening lessons in Part A cover rhetoric, the peer review or writing workshop process, and performance skills. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents

students with a real-world scenario requiring some of the skills they learned in the unit. Part B of English 11 consists of units focused on historical eras and literary movements of the 20th and 21st century, such as Naturalism, Imagism, the Harlem Renaissance, and Post-Modernism. Literature analysis lessons in Part B focus on the forms of literature that were most commonly written during the Twentieth Century and how the forms, styles, and techniques of that century inform literature written today. Students will also evaluate various modes and forms of language expression, including single media and multimedia messages. Writing and informational text lessons guide students through the stages of a rigorous research process and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

- **Required Materials:** *The Scarlet Letter & The Great Gatsby* (free digital versions are made available to students)
- **Difficulty Level:** 5/5
- **Estimated hours to complete course:** 140

English IV (English 12)

- ***This course is divided into Parts A & B***
- **Description:** Students examine major works of literature organized into thematic units. Each unit contains poetry, short stories, and a novel that revolve around the theme for the unit. Themes include the self, relationships, alienation, choice, and death. As students read these works, they have the opportunity to reflect on these important themes by writing in multiple modes and creating cross-disciplinary projects. In this course, students will also experience the novels, short stories, poetry, and non-fiction from countries around the world. You will discover that the writers in this course have ideas and lives as interesting as their work. You will discover many writers have unique writing styles, unique ideas, unique lives, and unique approaches to their art. You will also have the chance to do some unique work of your own. By reading contemporary work and some work of the 20th century you will also discover that “no matter what a writer’s origins, certain themes and events have been hard to run away from in the 20th and early 21st centuries.” As you read, it is my hope that you will come to an understanding that, “. . .reading literature from around the world is unlikely to teach you everything there is to know about a culture. But it may help. . .” Along this journey you will use technology, writing, reflection, vocabulary, research, and other academic and personal skills to help you learn to enter the world of your community, your country, and your world. As the poet Gwendolyn Brooks said, “I believe that we should all know each other, we human carriers of so many pleasurable differences. To not know is to doubt, to shrink from, sidestep or destroy.” So begin your own journey through the world, and do this by reading, writing about what you read, and experiencing the work of writers.
- **Required Materials:** *Jane Eyre* by Charlotte Bronte, *The Grapes of Wrath* by John Steinbeck, *Frankenstein*, & *Hamlet* by William Shakespeare (free digital versions are made available to students)
- **Difficulty Level:** 5/5

- **Estimated hours to complete course:** 150

English Composition

- **Description:** Students will focus 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 course.
- **Required Materials:** none
- **Difficulty Level:** 4/5
- **Estimated hours to complete course:** 120

SOCIAL STUDIES

United States History

- ***This course is divided into Parts A & B***
- **Description:** This course covers the discovery, development, and growth of the United States. Major topics include; American Indian cultures, European colonization of the Americas, and the causes and effects of the American Revolution. Geographical, economic, and political factors are explored as the key factors in the growth of the United States of America. American History I is a survey of the struggle to build the United States of America from the colonial period to the beginning of the twentieth century. By means of reading, analyzing, and applying historical data, students come to appreciate the forces that shaped our history and character as an American people. Not only are the topics of American history discussed, but students also explore research methods and determine accurate sources of data from the past. Knowing the facts and dates of history are just the beginning: each student must understand how history affects him or her. American History B begins with a study of American life before the 1929 Stock Market crash and how the Roaring Twenties influenced society in the late 19th through early 20th centuries. Students will examine the causes and consequences of the Great Depression and move on into a detailed study of World War II with an emphasis on America's role in the conflict. The course continues with an analysis of the Cold War struggle and America's rise as a superpower. The Civil Rights and Women's rights movements, pollution and the environment, and American domestic and foreign policy will be examined. The course wraps up with a summary of current events and issues, including a study of the Middle East. This course begins with an assessment of life in the

United States pre-World War I and ends with the conflicts of the new millennium. Students look at the nation in terms of economic, social, and political trends. The experiences of the last century are summarized, including a look into the civil rights issues that have embroiled the nation in conflict. The development of the United States of America into a superpower is explored within a global context.

- **Required Materials:** none
- **Difficulty Level:** 4/5
- **Estimated hours to complete course:** 140

World History

- ***This course is divided into Parts A & B***
- **Description:** World History begins with a focus on the skills needed to read, understand, and analyze history, also demonstrating how historians and social scientists arrive at their conclusions about human history. Part A covers the history of civilization from hunter-gatherer societies through the characteristics of the earliest civilizations to the Enlightenment period in Western Europe. The second half of Part A explores the early intellectual, spiritual, and political movements and their impact on interactions among world cultures. Part B of this course applies the reading and analytical strategies introduced in Part A to the events and movements that created the modern world. World History emphasizes the effects of the Industrial Revolution and changing attitudes about science and religion as well as the impact of European colonization. Students are encouraged to make connections between World War I and II and events related to the Cold War and between 19th-century imperialism and modern independence movements.
- **Required Materials:** none
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 140

Civics (.5 credit course)

- **Description:** This course will guide students through an in-depth study of the history, structure, and guiding principles of the American government. The first unit will review the origins of government in general and American government in particular—from the earliest models for democracy to the founding documents that created a federalist system of government in the U.S. Several units will help students explore the roles and responsibilities of each branch of government as well as the impact that the Constitution has had and continues to have on the way government works and on the lives of individual Americans. The course's final unit will guide students through a series of projects that require them to apply what they have learned about the American government to an issue that interests them.
- **Required Materials:** none
- **Difficulty Level:** 2/5

- **Estimated hours to complete course:** 60

Psychology

- **Description:** In Psychology, the student begins with a brief history of psychologists and their experimental methods. Next they examine personality theories. Then human development from the infant stage through adult stage is explored. Finally, the last part of the course is about consciousness: sleep, dreams, and conscious-altering substances. Students are encouraged to increase their own self-awareness as they move through the course.
- **Required Materials:** none
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 120

Sociology

- **Description:** Sociology examines the basics of sociology, which is the study of society including individuals, human groups, and organizations. The course is divided into four main areas: the sociological perspective, social structures, inequality in society, and social institutions and change. Students will examine controversies around social change, inequality, gender, and race. The course revolves around an overview of the field with projects that offer the student a chance to explore from a sociologist's perspective.
- **Required Materials:** none
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 120

Marketing & Entrepreneurship

- **Description:** Students hear a lot of contradictory advice in life. On one hand, they may hear something like "Follow your dreams. Pursue your passion and the money will come!" On the other hand, they may hear something completely opposite, like "Most startups fail! It's much safer to get a safe, steady job." So which side is right? Given the massive changes to the economy and society, the skills of entrepreneurship are going to be critical in building a lasting career. The entrepreneurial mindset of searching for opportunities, creating value, and solving pain points will always be valuable. And this mindset applies not just to starting a business, but in any organization that someone is a part of: school, established companies, or non-profits. In this course, students will explore how to use this mindset to create the next world-class startup.
- **Required Materials:** none
- **Difficulty Level:** 3/5

- **Estimated hours to complete course:** 120

Int'l Business & Economics

- ***This course is divided into Parts A & B***
- **Description:** This course covers the principles and the applications of economics in everyday life, particularly in regard to business. Students develop an understanding of limited resources and compare them with unlimited wants and needs. Students learn how individual and national economic decisions are made to allocate goods and services among competing users. Students apply economic principles to think and problem solve. The study of Economics uses the view of economic institutions and policies to explore the history, organization, and functions of the U.S. government in controlling our economy. It offers students learning opportunities that build one on another. A goal of the course is for the student to develop the critical skills of analysis, synthesis, and evaluation in a demanding and thoughtful academic setting. Students are encouraged to use their knowledge of the policies and institutions of economics to develop their own views on current economic and monetary issues. They are taught how to apply what they have learned to personal financial activities. The course looks closely at the economic knowledge and values of the country and gives students a look into the problems faced by presidents, and congressional representatives. It also covers the roles of political activists, political parties, interest groups, and the media in shaping the U. S. economy.
- **Required Materials:** none
- **Difficulty Level:** 4/5
- **Estimated hours to complete course:** 140

Modern Day Apprenticeship

- **Description:** This career planning course guides students through the essential elements of the career planning process and the development of a defined career plan. Students will consider the many factors that impact career success and satisfaction. Using a process of investigation, research, and self-discovery, students will acquire the understanding critical to the career planning process. Upon completion of the course, students will have created a practical and comprehensive college or career transition portfolio that reflects their skills and abilities, as well as their interests, values, and goals.
- **Required Materials:** none
- **Difficulty Level:** 2/5
- **Estimated hours to complete course:** 120

Law & Order

- **Description:** Students learn about the American legal system. They examine ethics, court systems, criminal law, and the law of torts. They examine how the court systems work together, and what misconduct results in going to court. It is important to also understand your consumer rights. As they progress through the course, they will also gain an understanding from a business perspective of what is right and wrong business actions and employment laws. As an employee or employer, it is important to understand the laws that protect the employee and employer. The study will focus on the formation of a business and the basic legal issues associated with each type of business.
- **Required Materials:** none
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 120

SCIENCE

Integrated Science

- ***This course is divided into Parts A & B***
- **Description:** This Integrated Science 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. 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.
- **Required Materials:** *misc. Items found around the house*
- **Difficulty Level:** 2/4
- **Estimated hours to complete course:** 140

Marine Biology

- ***This course is divided into Parts A & B***
- **Description:** 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.
- **Required Materials:** none

- **Difficulty Level:** 2/5
- **Estimated hours to complete course:** 140

Chemistry

- ***This course is divided into Parts A & B***
- **Description:** In this course, students will discover what chemistry is, and how it is used and found all around us. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: types of matter, atomic structure, chemical periodicity, chemical formula writing and naming, chemical equations. This course will also stress the important relationship between math and science while studying measurement, metric system and stoichiometry. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved. Students will also investigate chemical bonding, thermochemistry, and acids and bases. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: organic chemistry, biochemistry, and nuclear chemistry. This course will also stress the important relationship between math and science. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.
- **Required Materials:** none
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 140

Biology

- ***This course is divided into Parts A & B***
- **Description:** Biology A introduces students to the scientific method and the major concepts of biology from an historical and practical viewpoint. The three major themes of this course are the cell, the molecular basis of heredity, and the interdependence of organisms. Students who take this class will have a deeper appreciation for the complexities of living organisms. Life on this planet, unlike anywhere else in the observable universe, is complex and highly organized. Whether examining life on the molecular or the planetary level, it exhibits a highly organized structure that inspires awe by its genius and complexity. In the last 50 years, discoveries have launched new branches of biology that have transformed the daily routine, from conception to death. New challenges await, such as the current crisis in ecology, global warming, and the resurgence in viral disease. To make rational choices in the 21st century, the citizen must have a basic understanding of biological concepts and the reasoning behind them. Biology A is presented in a multimedia format using interactive modules, labs, narrated animation, text, and videos to present the study of life on this planet. Students work through and complete several self-check activities and quizzes for practice, and

participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project. Teacher feedback is provided throughout the course. Part B of Biology is a continuation of the basic course in biology, Biology A. The major concepts covered are population dynamics and evolution. Students explore population dynamics through the study of mutualism, predation, parasitism, and competition. The theory of evolution is presented, along with the many evidences and details that make evolution the backbone of modern biology. From biochemistry to evolution, biology fascinates people. Biochemists first astounded the world by showing that life obeys the same chemical principles as all creation, but that life engineers chemistry to its own needs. Decades later, Darwin shocked the world by suggesting that life evolves according to the conditions of the environment it inhabits. Evolution, often debated and derided, has survived to become a key concept of biology. This second course in biology examines the wonder of life and its mechanisms. Students work through and complete several self-check activities and quizzes for practice, and participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project. Teacher feedback is provided throughout the course.

- **Required Materials:** none
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 140

Physics

- ***This course is divided into Parts A & B***
- **Description:** Students begin their exploration of physics by reviewing the International System of Units (SI), scientific notation, and significant digits. They then learn to describe and analyze motion in one and two dimensions. Students learn about gravity and Newton's laws of motion before concluding the course with an examination of circular motion. Students apply mathematical concepts such as graphing and trigonometry in order to solve physics problems. Throughout the course, students apply their understanding of physics by playing roles like science museum curator and elementary teacher. Physics, part B continues the student's exploration of mechanics while also guiding them through some other important topics of physics. Students begin by exploring simple harmonic motion, wave properties, and optics. Students then learn the basics of thermodynamics and fluids. Afterwards, the students explore the principles of electricity and magnetism. Finally, students explore the area of physics known as Modern Physics, which includes topics such as the photoelectric effect, nuclear science, and relativity. This is a trig-based course. It is assumed you know and can use trigonometry.
- **Required Materials:** Graphing Calculator
- **Difficulty Level:** 4/5
- **Estimated hours to complete course:** 150

MATHEMATICS

Math Foundations

- ***This course is divided into Parts A & B***
- **Description:** This foundation's course will help students move from the world of simple mathematics to the exciting world of Algebra and Geometry. They will develop skills that will be necessary throughout their life. Students will stretch their thinking by learning to solve real world problems. Learning math and algebra concepts can be fun. Abstract ideas can be challenging for many students, but the challenge is one they can meet. Concepts are presented with a little humor, making the learning fun. Students will enjoy learning each new concept and develop a deeper understanding of the math skills they already have. Each concept is presented using examples of the skills, concepts, and strategies students will need. Scaffolding of ideas is provided to ensure student learning. The course is offered in a six-unit format containing 5 lessons each for a total of 30 lessons. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems. The pace is controlled by the student and reviewing the material is encouraged. I, Math Foundations, students will continue to move students into the exciting world of the unknown, Algebra. Building on what they have learned in mathematics and Pre-Algebra, students will expand their skills. They will be introduced to increasingly abstract concepts. It will provide the student with 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. Students will be given different assessment opportunities to demonstrate mastery of each skill. The course is offered in a six-unit format containing 5 lessons each for a total of 30 lessons. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems. The pace is controlled by the student and reviewing the material is encouraged.
- **Required Materials:** *none*
- **Difficulty Level:** *2/5*
- **Estimated hours to complete course:** 140

Algebra I

- ***This course is divided into Parts A & B***
- **Description:** Algebra 1 (Part A) 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 learn through online lesson materials, videos and interactive activities. The end of each unit tests students' understanding with a self-check quiz with feedback. Also included is a unit exam and project for students to apply what they have

learned. Students will interact with course materials through online lessons, videos, interactive questions and real-world applications. Each unit ends with a self-check quiz to confirm knowledge of the concepts learned. There is also a unit exam and project. Teacher feedback is given throughout the course. Algebra 1 (Part B) builds on the concepts learned in the first part of the course by providing a strong foundation in solving problems. Students will work with problems and applications that involve exponents, quadratic equations, polynomials and factoring methods, rational and radical equations data analysis and probability.

- **Required Materials:** none
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 140

Geometry

- ***This course is divided into Parts A & B***
- **Description:** Geometry is the study of the measurement of the world. What makes Geometry so engaging is the relationship of figures and measures to each other, and how these relationships can predict results in the world around us. Through practical applications, the student sees how geometric reasoning provides insight into everyday life. The course begins with the tools needed in Geometry. From these foundations, the student explores the measure of line segments, angles, and two-dimensional figures. Students will learn about similarity, triangles, and trigonometric ratios. Geometry A consists of six modules. Each module comprises ten lessons for a total of 60 lessons in the course. This course builds on the foundation of the first terms in Geometry. As in previous courses, deductive and inductive reasoning are emphasized, while applying problem-solving techniques to real-world problems. Students explore quadrilaterals and circles and learn how an object is transformed, as well as how to represent that transformation algebraically and geometrically. Students calculate the area and volume of 2-dimensional and 3-dimensional objects.
- **Required Materials:** none
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 140

Algebra II

- ***This course is divided into Parts A & B***
- **Description:** Algebra 2 (Part A) further extends the learner's understanding of major algebra concepts such as expressions, equations, functions, and inequalities. An emphasis will be placed on the use of appropriate functions to model real-world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph. Algebra 2 (Part B) builds on

the concepts learned in Part A and prepares the learners with the building blocks needed to dive deeper into trigonometry, pre-calculus and advanced probability and statistics.

- **Required Materials:** Graphing calculator
- **Difficulty Level:** 4/5
- **Estimated hours to complete course:** 140

Pre-Calculus

- ***This course is divided into Parts A & B***
- **Description:** In this course, students will understand and apply concepts, graphs, and applications of a variety of families of functions, including polynomial, exponential, logarithmic, logistic, and trigonometric. An emphasis will be placed on use of appropriate functions to model real-world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph. A scientific and/or graphics calculator is recommended for work on assignments and on examinations. Pre-Calculus Part B covers the major units of Introductory Trigonometry and Graphs, Trigonometric Equations and Identities, Analytical Trigonometry, Sequences and Series, Conic Sections, and an Introduction to Calculus. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.
- **Required Materials:** none
- **Difficulty Level:** 4/5
- **Estimated hours to complete course:** 140

Business Math

- ***This course is divided into Parts A & B***
- **Description:** In Part A, students will focus on the financial management of a business. You will learn about basic financial documents, business accounting, credit scores, business costs, and supply/demand. In this course, you will also explore accounting, including investigating accounting careers. You will learn basic accounting skills and procedures both with and without a computer for general journals, general ledgers, cash payments journals, cash receipts journals, sales journals, accounts payable ledgers, and accounts receivable ledgers. The course shows students how to reconcile a bank statement and to prepare payroll records. Finally, students will learn the basic principles of financial accounting for individuals and for companies with attention to both the mathematical formulas and to the ethical side of accounting. Each unit has practical exercises including a project at the end of the unit.
- **Required Materials:** none
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 120

Personal Finance

- **Description:** This course focuses on the mathematics involved in making wise consumer decisions. Students explore the many ways in which mathematics affects their daily lives. The course will cover checking and savings accounts, obtaining and using credit, and housing expenses and taxes. This course also explores accounting, including investigating accounting careers. You will learn basic accounting skills and procedures both with and without a computer for general journals, general ledgers, cash payments journals, cash receipts journals, sales journals, accounts payable ledgers, and accounts receivable ledgers. You will also learn how to reconcile a bank statement and prepare payroll records. This course covers the basic principles of financial accounting for individuals and for companies with attention to both the mathematical formulas and the ethical side of accounting.
- **Required Materials:** none
- **Difficulty Level:** 2/5
- **Estimated hours to complete course:** 120

HEALTH

Health (.5 credit course)

- **Description:** In this course, students acquire the knowledge and skills they need to lead a healthy life. They'll focus on the impact of personal decisions on the student's own health. Students learn how to find, evaluate, and use reliable information related to a variety of health topics. They also study the basic science behind nutrition, exercise, stress, and psychology, and examine how these factors affect a person's overall health. Each lesson in the course guides students in applying what they have learned in the lesson to their own lives and choices—and gives them a chance to discuss the topic with peers and instructors.
- **Required Materials:** None
- **Difficulty Level:** 2/5
- **Estimated hours to complete course:** 60

Personal Fitness (.5 credit course)

- **Description:** In this course, students are introduced to exercise and physical fitness and the general recommendations for physical activity, while examining the benefits of exercise, lifestyle choices that can help prevent disease, and tips for kick-starting a

healthier lifestyle. Students will explore each type of fitness, include the benefits, and the federal guidelines for exercise in detail. Students will also learn about bones and joints and the functions of the skeleton, and the different types of movements that occur at various joints. Students will learn about the different types of muscle in their bodies, and how they are structured, with particular attention to the different types of muscle fibers. Students will explore the functions that muscles perform, how they work, and their interaction with the central nervous system and special considerations for safe and effective exercise.

Required Materials: none

- **Difficulty Level:** 2/5
- **Estimated hours to complete course:** 60

ART

Art & Music Appreciation

- **Description:** What makes an artwork a masterpiece? Why do artists create art? What is the difference between Rococo and Art Nouveau? In this course, students will discover the answers to these questions and more. We examine the elements of art and principles of design, and explore how artists have used these elements and principles in the creation of art for centuries. Students will also 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.
- **Required Materials:** None
- **Difficulty Level:** 2/5
- **Estimated hours to complete course:** 140

Art History

- **Description:** 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.
- **Required Materials:** none
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 115

Theater Studies

- **Description:** 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 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 theatergoer, this course is for you.
- **Required Materials:** none
- **Difficulty Level:** 2/5
- **Estimated hours to complete course:** 115

Digital Media

- **Description:** Digital Media is a project-based survey of different forms of digital media, such as digital audio, imaging and illustration, movie editing, and animation. It's 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 (like a podcast or short film), and students will be able to draft and develop their projects as they build their skills over each lesson.
Required Materials: *Download For Free:*
Audacity GIMP Inkscape DaVinci Resolve (free version) Pencil2D
Blender GDevelop Piskel
- **Difficulty Level:** 2/5
- **Estimated hours to complete course:** 120

Film & Television

- **Description:** 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.

- **Required Materials:** none
- **Difficulty Level:** 2/5 * *Course not available in China due to Youtube content*
- **Estimated hours to complete course:** 140

TECHNOLOGY

Robotics

- **Description:** It seems like many elementary to high school robotics courses are focused on simply coding a Lego robot to move its mechanical arm up and down. This course, in contrast, teaches students what a robot is and how it relates to other key technologies such as artificial intelligence and machine learning. Then the course examines 10 applications of robots and how they will change and impact various aspects of our lives and the economy. Will robots simply steal our jobs, or will they be a tool that will create new opportunities and even free humans to use our creativity and curiosity to their full potential? Students will grapple with this and many other questions as they explore this vital, future- focused subject.
- **Required Materials:** None
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 120

Computer Programming

- **Description:** In Part A of this course, students will learn Python. 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. Our Python online course is great for anyone interested in preparing themselves for future coding classes. In Part B, students will explore Java. Java is one of the most widely used computer languages in the world. This course will teach students Java by having them complete multiple projects, both in the console and user interface, including: mad libs, player vs computer games, battleship, tic tac toe, picture shuffler and many more. This is course is meant to give students lots of experience in Java by creating multiple stand alone programs. This course assumes no coding experience with Java programming and includes self graded quizzes and tests.
- **Required Materials:** None
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 140

FOREIGN LANGUAGE

Spanish I

- *This course is divided into Parts A & B*
- **Description:** Spanish 1, Part A, is an introduction to the Spanish language and culture. Students learn to start with the basics of greetings and basic conversation, working to incorporate ideas from their lives and experiences in Spanish conversation. This will be accomplished through the written and verbal expression of the Spanish language. Spanish 1, Part B expands to asking questions and conversational Spanish throughout one's neighborhood and daily life. Through real-life scenarios and learning examples, students will describe situations, in Spanish, both verbally and written.
- **Required Materials:** None
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 120

Spanish II

- **Description:** Students build upon the foundation developed in Spanish 1. They continue to build vocabulary, learn new verb tenses and other grammar concepts, and they increase their ability to communicate with others. They learn new concepts, like reflexive verbs, infinitive expressions, commands, the imperfect tense. Part B will continue building on vocabulary, grammar concepts and communicating effectively in the target language. You will explore new countries where Spanish is spoken and continue to keep abreast of current events in the Spanish-speaking world.
- **Required Materials:** None
- **Difficulty Level:** 3/5
- **Estimated hours to complete course:** 120