QLU VIRTUAL ACADEMY

ADVANCED PLACEMENT

COURSE CATALOG FOR 2024-2025

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COURSE CATALOG FOR 2024-25

Descubre los programas de QLU Virtual Academy con The Keystone School, diseñados para ayudar a los estudiantes a alcanzar sus metas académicas.

Los estudiantes inscritos en el programa Full Time deben tomar 5-6 cursos por año escolar, mientras que los del programa Double Diploma necesitan completar 1-2 cursos anuales en cada una de las áreas básicas para obtener el diploma de secundaria de los Estados Unidos.

Los planes de estudio están cuidadosamente diseñados para incluir artes del lenguaje, matemáticas, ciencias, ciencias sociales, salud, artes y una variedad de cursos electivos y avanzados.

¡Inscríbete hoy y prepárate para el éxito académico!

MIDDLE SCHOOL – FULL TIME

Los estudiantes inscritos en el programa Full Time de QLU Virtual Academy junto a The Keystone School deben tomar un total de al menos 5 cursos por año escolar.

Cada curso en 1 de las 4 áreas de materias básicas, más una optativa. Lo cual incluye realizar cada año un curso de Language arts, Mathematics, Social science and Science y elegir por lo menos un curso optativo en las áreas de Fine arts, Health or Elective courses. **SS- Cursos de 1 semestre*

LANGUAGE ARTS	MATHEMATICS	SOCIAL SCIENCE
6th Grade Language Arts	6th Grade Math	6th Grade American History Since 1865
7th Grade Language Arts	7th Grade Math	7th Grade World History I
8th Grade Language Arts	8th Grade Math	8th Grade World History II
SCIENCE	**FINE ARTS**	**HEALTH**
6th Grade Earth Science	6th Grade Intermediate American Art II	7th Grade Health
7th Grade Life Science	7th Grade Intermediate World Art I	8th Grade Health
8th Grade Physical Science	8th Grade Intermediate World Art II Online	
ELECTIVES		
MS Career Explorations 1 Semester		
Middle School Journalism Online Single Semester		

HIGH SCHOOL – FULL TIME AND DOUBLE DIPLOMA

Los estudiantes inscritos en el programa Full Time de QLU Virtual Academy junto a The Keystone School deben tomar un total de al menos 5 cursos por año escolar.

Cada curso en 1 de las 4 áreas de materias básicas, más una optativa. Lo cual incluye realizar cada año un curso de Language arts, Mathematics, Social science and Science y elegir por lo menos un curso optativo en las áreas de Fine arts, Health or Elective courses.

*Por favor ten en cuenta que la disponibilidad de las materias puede variar y debe ser verificada antes de realizar la selección correspondiente. Podrás reunirte con tu learning coach para hacer la selección final de las mismas. *SS- Cursos de 1 semestre. When enrolling in the full year option of this course it will be delivered in two semesters. Transcripts will reflect each semester separately*

LANGUAGE ARTS	MATHEMATICS	SOCIAL SCIENCE
English 9	Algebra 1	Civics
English 10	Algebra 2	Contemporary World Issues
Grammar and Composition	Calculus	US History
Creative Writing	Consumer Math	World History
American Literature	Geometry	Geography
British and World Literature	Integrated Math	Sociology
Introduction to Journalism I	Pre-Algebra	Modern US History
Public Speaking I	Pre-Calculus/Trigonometry	Modern World Studies
	Probability and Statistics I	Economics I
		US And Global Economics
		US Government And Politics
SCIENCE	**FINE ARTS**	**HEALTH**
Astronomy	Fine Art	Skills for Health and Nutrition and Wellness
Biology with Virtual Lab	Music Appreciation	Skills for Health SS
Chemistry with Virtual Lab	Animation	Nutrition and Wellness SS
Physics with Virtual Lab	Art Appreciation SS	Physical Education
Earth Science with Virtual Lab	Art In World Cultures SS	
Physical Science with Virtual Lab		
Environmental Science SS		

Forensic Science SS		
Veterinary Science SS		
ELECTIVES		**WORLD LANGUAGES**
Coding Fundamentals Intro	Fashion Design SS	French I
Computer Science: JavaScript	Foundations of Game Design	French II
Culinary Arts	Health Science SS	Spanish I
Digital Photography	Hospitality And Tourism SS	Spanish II
Early Childhood Education	Interior Design SS	Spanish III
General Accounting	International Business SS	Sign Language
Sports and Enter. Marketing	Introduction To Digital Media SS	
Service Learning	Introduction To Java SS	
Archaeology SS	Law And Order SS	
Agriscience SS	Personal Finance SS	
Biotechnology SS	Coding Fundamentals Intro Online	
Career Planning SS	Computer Science: JavaScript SS	
Criminology SS	Gothic Literature SS	
Digital Media: Prod. for The Web SS		

MIDDLE SCHOOL COURSE DESCRIPTION

LANGUAGE ARTS

6TH GRADE LANGUAGE ARTS

This course equips students with the essential language arts skills needed throughout their academic careers. Students read and analyze a variety of informational and fictional texts. Instruction and reading strategies accompany reading selections to help engage students in the text and sharpen their comprehension. Students express their ideas and knowledge using standard (formal) English in written and oral assignments. Writing expressive, analytical, and procedural compositions helps students develop communication skills necessary in today's world. Vocabulary is taught explicitly and through an array of vocabulary acquisition strategies that give students the tools to independently increase their vocabulary. Students study grammar, usage, and mechanics; and practice sentence analysis, sentence structure, and proper punctuation. The course includes discussion activities that engage students in the curriculum while creating a sense of community.
Required but not provided-
The Secret Garden (ISBN: 9780689831416) -*Required for Part 2*
Animal Adventures-*Required for Part 1-Digital within the course*
Twelfth Night (Shakespeare for Young People) (ISBN: 9780767508742)-*Required for Part 2*

7TH GRADE LANGUAGE ARTS

This course continues the development of comprehension and analysis of informational and fictional texts with an ongoing emphasis on reading strategies. Students express themselves using standard (formal) English in written and oral presentations. Analyzing and practicing the form and

structure of various genres of writing enhances students' communication skills. Students study a variety of media to understand informational and persuasive techniques, explicit and implied messages, and how visual and auditory cues affect messages. Grammar, usage, and mechanics skills are deepened. Students continue to widen their vocabulary and apply acquisition strategies. The course includes discussion activities that engage students in the curriculum while creating a sense of community.
Required but not provided-
The Hobbit (ISBN: 9780345339683)-*Required for Part 1*
Julius Caesar (Shakespeare for Young People)(ISBN: 9780767508292)-*Required for Part 2*

8TH GRADE LANGUAGE ARTS

Throughout this course, students engage in literary analysis and close reading of short stories, poetry, drama, novels, and informational texts. The course focuses on interpretation of literary works, analysis of informational texts, and the development of oral and written communication skills in standard (formal) English. Students read "between the lines" to interpret literature and go beyond the text to discover themes and ideas the text conveys. Analysis of the structure and elements of informational texts and media helps students develop the skills needed for academic success and navigating the world. Students continue to acquire knowledge and skills in grammar, usage, mechanics, and vocabulary. The course includes discussion activities that engage students in the curriculum while creating a sense of community.
Required but not provided-
Anne Frank: Diary of a Young Girl (ISBN: 9780553296983)-*Required for Part 1*
The Lord of the Flies (ISBN: 9780399501487)-*Required for Part 2*

MIDDLE SCHOOL JOURNALISM SS

Who? What? When? Where? Journalism provides us with the answers to these questions for the events that affect our lives. In this course, students will learn how to gather information, organize ideas, format stories for different forms of news media, and edit their stories for publication. The course will also examine the historical development of journalism and the role of journalism in society.

MATHEMATICS

6TH GRADE MATH

In the Math 6 course, students deepen their understanding of multiplication and division of fractions to apply their knowledge to divide fractions by fractions, with an additional focus on increasing efficiency and fluency. Students gain a foundation in the concepts of ratio and rate as an extension of their work with whole number multiplication and division, and in preparation for work with proportional relationships in Grade 7. Students also make connections among area, volume, and surface area,

and continue to lay the groundwork for deep algebraic understanding by interpreting and using expressions and equations. Prerequisite: Math 5 Summit or equivalent

7TH GRADE MATH

This course continues the development of comprehension and analysis of informational and fictional texts with an ongoing emphasis on reading strategies. Students express themselves using standard (formal) English in written and oral presentations. Analyzing and practicing the form and structure of various genres of writing enhances students' communication skills. Students study a variety of media to understand informational and persuasive techniques, explicit and implied messages, and how visual and auditory cues affect messages. Grammar, usage, and mechanics skills are deepened. Students continue to widen their vocabulary and apply acquisition strategies. The course includes discussion activities that engage students in the curriculum while creating a sense of community.
Required but not provided-
The Hobbit (ISBN: 9780345339683)-Required for Part 1
Julius Caesar (Shakespeare for Young People) (ISBN: 9780767508292)-*Required for Part 2*

8TH GRADE MATH

The Math 8 course prepares students for more advanced study in algebra as students solve linear equations and systems of equations, work with radical and integer exponents, gain conceptual understanding of functions, and use functions to model quantitative relationships. To prepare students for more advanced study in geometry, the course emphasizes the Pythagorean theorem and a deepening exploration of similarity and congruence. Prerequisite: MTH07: Summit Math 7 or equivalent

SOCIAL SCIENCE

6TH GRADE AMERICAN HISTORY SINCE 1865

The second half of a detailed two-year survey of the history of the United States, this course takes students from the westward movement of the late 1800s to the present. Lessons integrate topics in geography, civics, and economics. The course guides students through critical episodes in the story of America. Students examine the effect of the settlement of the American West; investigate the social, political, and economic changes that resulted from industrialization; explore the changing role of the United States in international affairs from the late nineteenth century through the end of the Cold War; and trace major events and trends in the United States from the Cold War through the first decade of the twenty-first century.
Provided-
Wall Map Set

7TH GRADE AMERICAN HISTORY I

World History surveys the story of the human past from the period before written records, prehistory, through the fourteenth century. The course is organized chronologically and, within broad eras, regionally. The course focus is the story of the human past and change over time, including the development of religion, philosophy, the arts, and science and technology. Geography concepts and skills are introduced as they appear in the context of the historical narrative. Students explore what archaeologists and historians have learned about the earliest hunter-gatherers and farmers, and then move to a study of the four river valley civilizations. Students practice document and art analysis, conduct research, and write in a variety of formats. They also practice map reading skills and look at how historians draw conclusions about the past as well as what those conclusions are.

8TH GRADE AMERICAN HISTORY II

Continuing a survey of World History from prehistoric to modern times, K12 online lessons and assessments complement the second volume of The Human Odyssey, a textbook series developed and published by K12. This course focuses on the story of the past from the fourteenth century to 1917 and the beginning of World War I. The course is organized chronologically and, within broad eras, regionally. Lessons explore developments in religion, philosophy, the arts, and science and technology. The course introduces geography concepts and skills as they appear in the context of the historical narrative.

SCIENCE

6TH GRADE EARTH SCIENCE

The Earth Science curriculum builds on the natural curiosity of students. By connecting them to the beauty of geological history, the amazing landforms around the globe, the nature of the sea and air, and the newest discoveries about our universe, the curriculum gives

students an opportunity to relate to their everyday world. Students will explore topics such as the fundamentals of geology, oceanography, meteorology, and astronomy; Earth's minerals and rocks; Earth's interior; plate tectonics, earthquakes, volcanoes, and the movements of continents; geology and the fossil record; the oceans and the atmosphere; and the solar system and the universe. Lesson assignments help students discover how scientists investigate the science of our planet.

7TH GRADE LIFE SCIENCE

The Life Science program invites students to investigate the world of living things--at levels both large and small—by reading, observing, and experimenting with aspects of life on Earth. Students explore an amazing variety of organisms, the complex workings of the cell and cell biology, the relationship between living things and their environments, and discoveries in the world of modern genetics. Students tackle such topics as ecology, microorganisms, animals, plants, cells, animals, species, adaptation, heredity, genetics, and the history of life on Earth. Lesson activities and assignments help students discover how scientists investigate the living world.

8TH GRADE PHYSICAL SCIENCE

The Physical Science program introduces students to many aspects of the physical world, focusing first on chemistry and then on physics. The course provides an overview of the physical world and gives students tools and concepts to think clearly about matter, atoms, molecules, chemical reactions, motion, force, momentum, work and machines, energy, waves, electricity, light, and other aspects of chemistry and physics. Among other subjects, students study the structure of atoms; the elements and the Periodic Table; chemical reactions; forces, including gravitational, motion, acceleration, and mass; and energy, including light, thermal, electricity, and magnetism.

FINE ARTS

6TH GRADE INTERMEDIATE AMERICAN ART II

Intermediate American Art II lessons include an introduction to the artists, cultures, and great works of American art and architecture from the end of the Civil War through modern times. Students will investigate paintings done in various styles, from impressionist to pop; learn about modern sculpture and folk art; discover how photographers and painters have inspired one another; examine examples of modern architecture, from skyscrapers to art museums; and create artworks inspired by works they learn about.

7TH GRADE INTERMEDIATE WORLD ART I

Intermediate World Art I lessons include an introduction to the artists, cultures, and great works of world art and architecture from ancient through medieval times. Students will investigate how artists from different civilizations used various techniques, from painting to mosaic; examine elements of design and styles of decoration, from the spiral to the solar disk; and explore some of the best-preserved works from ancient tombs, including the treasures of Egypt's King Tut.

8TH GRADE INTERMEDIATE WORLD ART II

Intermediate World Art II lessons include an introduction to the artists, cultures, and great works of world art and architecture from the Renaissance through modern times. Students will study various works of art from the Renaissance and beyond; discover great works of art and see how they influenced later artists; compare and contrast works from many civilizations, from paintings to sculpture, architecture, book covers, prints, and more; and create artworks inspired by works they learn about.

ELECTIVES

MS CAREER EXPLORATIONS 1

In this course students will explore careers in over fifteen different career areas. From the energy field to human resources and from law to transportation, they will learn more about what careers are available and what they need to do to get there. In addition, they will examine how to choose the career that is best for them based on their own unique personality and interests as well as how they can begin developing their leadership skills now.

HIGH SCHOOL COURSE DESCRIPTION

LANGUAGE ARTS

ENGLISH 9

This course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction

works of cultural or historical significance appropriate to grade 9. Throughout the course, students practice narrative, informational, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers. Prerequisite: Literary Analysis and Composition (Grade 8), or equivalent
Required but not provided-
The Way to Rainy Mountain by N. Scott Momaday - *Required for Part 1*
A Midsummer Nights Dream (ISBN 978-0743477543) - *Required for Part 1*
The Alchemist by Paulo Coelho - ISBN: 9780062315007 - *Required for Part 2*

ENGLISH 10

The course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 10. Throughout the course, students practice narrative, informational, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers. Literary Analysis and Composition I (or equivalent)
Required but not provided-
MacBeth-Required for Part 2
Night by Elie Wiesel-Required for Part 1
Cry, the Beloved Country (ISBN 9780743262170)-*Required for Part 2*

AMERICAN LITERATURE

In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Prerequisite: English 9, 10 (or equivalent)
Required but not provided-
The Great Gatsby - *Required for Part 1*
The Glass Menagerie- *Required for Part 2*
The House on Mango Street -*Required for Part 2*

BRITISH AND WORLD LITERATURE

Students read selections from British and world literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and make thematic connections among diverse authors, periods, and settings. Students complete guided and independent writing assignments that refine their analytical skills. They have opportunities for creative expression in projects of their choice. Students also practice test-taking skills for standardized assessments in critical reading and writing. Prerequisite: English 9, 10, 11 (or equivalent). Required but not provided- Hamlet

CREATIVE WRITING

In this course, students explore a range of creative writing genres, including fiction, poetry, creative nonfiction, drama, and multimedia writing. They study examples of classic and contemporary selections, apply what they learn to their own writing, and develop proficiency in the writing process. They learn to evaluate the writings of others and apply evaluation criteria to their own work. By the end of the course, students will have created a well-developed portfolio of finished written works.

GRAMMAR AND COMPOSITION

In the course, students will consider the themes of personal identity and coming of age as they engage in writing assignments designed to provide basic writing practice. Students will read several short literary pieces. Instruction will focus on ideas, organization, sentence fluency and conventions.

INTRODUCTION TO JOURNALISM

Students are introduced to the historical importance of journalism in America. They study the basic principles of print and online journalism as they examine the role of printed news media in our society. They learn investigative skills, responsible reporting, and journalistic writing techniques as they read, respond to, and write their own news and feature articles. Students conduct interviews, research, write, and design their own publications.

PUBLIC SPEAKING

Students are introduced to public speaking as an important component of their academic, work, and social lives. They study public speaking occasions and develop skills as fair and critical listeners, or consumers, of spoken information and persuasion. Students study types of speeches (informative, persuasive, dramatic, and special occasion), read and listen to models of speeches, and prepare and present their own speeches to diverse audiences. Students learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas, and to benefit from listener feedback. They study how to incorporate well-designed visual and multimedia aids in presentations and how to maintain a credible presence in the digital world. Students also learn about the ethics of public speaking and about techniques for managing communication anxiety.

MATHEMATICS

ALGEBRA 1

Algebra 1 course is intended to formalize and extend the mathematics that students learned in the middle grades. Because it is built to follow revised middle school math courses, the course covers slightly different ground than previous versions of algebra. In this course, students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions.

ALGEBRA 2

This Algebra 2 course, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical,

and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The course covers sequences and series, probability distributions, and more advanced data analysis techniques. Prerequisite: Algebra 1 and Geometry is recommended.

CALCULUS

This course provides a comprehensive survey of differential and integral calculus concepts, including limits, derivative and integral computation, linearization, Riemann sums, the fundamental theorem of calculus, and differential equations. Content is presented across ten units and covers various applications, including graph analysis, linear motion, average value, area, volume, and growth and decay models. In this course students use an online textbook, which supplements the instruction they receive and provides additional opportunities to practice using the content they've learned. Students will use an embedded graphing calculator applet (GCalc) for their work on this course; the software for the applet can be downloaded at no charge. Prerequisite: Pre-Calculus/Trigonometry (or equivalent) required but not provided-TI-84 Plus Graphing Calculator

CONSUMER MATH

In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slideshows help illustrate some of the more difficult content. Throughout the course, students participate in online discussions with each other and their teacher. In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slideshows help illustrate some of the more difficult content.

GEOMETRY

This Summit Geometry course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling. Prerequisite: Algebra 1
Required but not provided-
Drawing compass
Plastic ruler w/ center groove (30 cm)
Protractor

INTEGRATED MATH

Students will build mathematical skills that allow students to solve problems and reason logically. Students will be able to communicate their understanding by organizing, clarifying, and refining mathematical information for a given purpose. Students will use every day and mathematical language and notation in appropriate and efficient forms to clearly express or represent complex ideas and information. Prerequisite: Suggested that students have taken Pre-Algebra or equivalent.

PRE-ALGEBRA

In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students translate word phrases and sentences into mathematical expressions; analyze geometric figures; solve problems involving percentages, ratios, and proportions; graph different kinds of equations and inequalities; calculate statistical measures and probabilities; apply the Pythagorean theorem; and explain strategies for solving real-world problems. Lessons provide demonstrations of key concepts as well as interactive problems with contextual feedback. A textbook supplements the online material.

PRE-CALCULUS/TRIGONOMETRY

Pre-calculus weaves together concepts of algebra and geometry into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include quadratic, exponential, logarithmic, radical, polynomial, and rational functions; matrices; and conic sections in the first semester. The second semester covers an introduction to infinite series, trigonometric ratios, functions, and equations; inverse trigonometric functions; applications of trigonometry, including vectors; polar equations and polar form of complex numbers; arithmetic of complex numbers; and parametric equations. Connections are made throughout the course to calculus and a variety of other fields related to mathematics. Purposeful concentration is placed on how the concepts covered relate to each other. Demonstrating the connection between the algebra and the geometry of concepts highlights the interwoven nature of the study of mathematics. Prerequisite: Geometry and Algebra II (or equivalents)
Required but not provided-
TI-84 Plus Graphing Calculator

PROBABILITY AND STATISTICS

Students learn counting methods, probability, descriptive statistics, graphs of data, the normal curve, statistical inference, and linear regression. Proficiency is measured through frequent online and offline assessments, as well as asynchronous discussions. Problem-solving activities provide an opportunity for students to demonstrate their skills in real-world situations. Prerequisite: Algebra II (or equivalent).

SOCIAL SCIENCE

CIVICS

Civics is the study of citizenship and government. This one-semester course provides students with a basic understanding of civic life, politics, and government, and a short history of government's foundation and development in this country. Students learn how power and responsibility are shared and limited by government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today.

CONTEMPORARY WORLD ISSUES

In this course, students will compare the geography, governments, economies, and cultures of the world. Emphasis will be placed on learning about the civics, politics, economics, structures, processes and policies of the United States and then comparing them with those of the international community. Students will use what they

know and learn about the United States and the world to analyze current events and contemporary issues. Reasoning and research skills will be applied to the content throughout the course.

ECONOMICS

Students are introduced to the basics of economic principles, and they will learn the importance of understanding different economic systems. They will also investigate how to think like an economist. Students will explore different economic systems, including the American free enterprise system, and they will analyze and interpret data to understand the laws of supply and demand. Students will also be presented with economic applications in today's world. From economics in the world of business, money, banking, and finance, students will see how economics is applied both domestically and globally. Students will also study how the government is involved in establishing economic stability in the American free enterprise system as well as the how the U.S. economy has a global impact.

GEOGRAPHY

This course examines a broad range of geographical perspectives covering all of the major regions of the world. Students clearly see the similarities and differences among the regions as they explore the locations and physical characteristics, including absolute and relative location, climate, and significant geographical features. They look at each region from cultural, economic, and political perspectives, and closely examine the human impact on each region. Students take diagnostic tests that assess their current knowledge and generate individualized study plans, so students can focus on topics that need review. Audio readings and vocabulary lists in English and Spanish support reading comprehension.

SOCIOLOGY

The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which you live? Students examine social problems in the increasingly connected world and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course. Sociology is the study of people, social life, and society. By developing a "sociological imagination," students examine how society itself shapes human action and beliefs—and how in turn these factors reshape society itself. Fascinating online video journeys inform students and motivate them to seek more knowledge on their own.

US AND GLOBAL ECONOMICS

In this course on economic principles, students explore choices they face as producers, consumers, investors, and taxpayers. Students apply what they learn to real-world simulation problems. Topics of study include markets from historic and contemporary perspectives; supply and demand; theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; money (what it is, how it evolved, the role of banks, investment houses, and the Federal Reserve); Keynesian economics; how capitalism functions, focusing on productivity, wages, investment, and growth; issues of capitalism such as unemployment, inflation, and the national debt; and a survey of markets in such areas as China, Europe, and the Middle East. HST403: U.S. Government and Politics (or equivalent) is recommended, but not required.

US GOVERNMENT AND POLITICS

This course studies the history, organization, and functions of the United States government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and our governing bodies. Students take a close look at the political culture of our country and gain insight into the challenges faced by citizens, elected government officials, political activists, and others. Students also learn about the roles of political parties, interest groups, the media, and the Supreme Court, and discuss their own views on current political issues. Prerequisite: U.S. History (or equivalent) is recommended, but not required.

US HISTORY

This course is a full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's The American Odyssey: A History of the United States. Online lessons help students organize their study, explore topics in-depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

WORLD HISTORY

In this comprehensive survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement World History: Our Human Story, a textbook written and published by K12. Students are challenged to consider topics in-depth as they analyze primary sources and maps, create timelines, and complete other projects— practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history.

MODERN US HISTORY

This course is a survey that provides students with a comprehensive view of American history from the industrial revolution of the late nineteenth century to recent events. Readings are drawn from Stride's The American Odyssey: A History of the United States. Online lessons help students organize study, explore topics in-depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

MODERN WORLD STUDIES

In this comprehensive course, students follow the history of the world from approximately 1870 to the present. They begin with a study of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore topics in physical and human geography and investigate issues of concern in the contemporary world. Online lessons help students organize study, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

PSYCOLOGY

In this one-semester course, students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises. Students learn how to define and use key psychology terms and how to apply psychological principles to their own lives. Unit topics include: Methods of Study, Biological Basis for Behavior, Learning and Memory, Development and Individual Differences, and Psychological Disorders.

SCIENCE

ASTRONOMY

This course introduces students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students examine the life cycle of stars, the properties of planets, and the exploration of space.

BIOLOGY WITH VIRTUAL LAB

In this comprehensive course, students investigate the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of in-depth online lessons, including extensive animations, an associated reference book, collaborative explorations, and laboratory experiments students can conduct at home.

CHEMISTRY WITH VIRTUAL LAB

This comprehensive course gives students a solid basis to move on to future studies. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course includes direct online instruction,

virtual laboratories, and related assessments, used with a problem-solving book. Recommended prerequisites: Satisfactory completion of Physical Science and solid grasp of algebra basics, by success in Algebra I (or equivalents)

PHYSICS WITH VIRTUAL LAB

This course provides a comprehensive survey of all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, and magnetism, and introduces students to modern physics topics such as quantum theory and the atomic nucleus. The course gives students a solid basis to move on to more advanced courses later in their academic careers. The program consists of online instruction, laboratories, and related assessments, plus an associated problem-solving book. Prerequisites: Algebra II and Pre Calculus/Trigonometry

PHYSICAL SCIENCE WITH WET LAB

Students explore the relationship between matter and energy by investigating force and motion, the structure of atoms, the structure and properties of matter, chemical reactions, and the interactions of energy and matter. Students develop skills in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning, with both hands-on laboratory investigations and virtual laboratory experiences.

EARTH SCIENCE WITH VIRTUAL

This course provides students with a comprehensive earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of in-depth online lessons, collaborative activities, virtual laboratories, and hands-on laboratories students can conduct at home. The course prepares students for further studies in geology, meteorology, oceanography, and astronomy courses, and gives them practical experience in implementing scientific methods.

ENVIRONMENTAL SCIENCE

This course surveys key topic areas, including the application of scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct five hands-on, unit-long research activities, learning that political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions.

FORENSIC SCIENCE

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, laboratories, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions. Prerequisite: Successful completion of at least two years of high school science, including Biology (or equivalent); Chemistry is highly recommended

VETERINARY SCIENCE

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases affect not only the animals around us, but at times, us humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues are studied and applied.

FINE ARTS

ART APPRECIATION

This one-semester course will introduce learners to the various forms of the visual arts, such as painting, sculpture, film, and more. Students will learn how to look at a work of art, identify and compare key characteristics in artworks, and understand the role art has played throughout history. Through hands-on activities, virtual museum tours, discussion, and research, learners will develop an overall appreciation for the art they encounter in their daily lives.

ART IN WORLD CULTURES

Who do you think is the greatest artist of all time? Maybe Leonardo da Vinci? Michelangelo? Maybe a more modern artist like Claude Monet or Pablo Picasso? Or is it possible that the greatest artist of all time is actually someone whose name has been lost to history? In Art in World Cultures, you'll learn about some of the greatest artists in the world while creating your own art, both on paper and digitally. This course explores basic principles and elements of art and teaches you how to critique different art works art. And along the way, you will get to discover some traditional art forms from various regions of the world including the Americas, Africa, and Oceania.

FINE ART

This course combines art history, appreciation, and analysis, while engaging students in hands-on creative projects. Lessons introduce major periods and movements in art history while focusing on masterworks and the intellectual, technical, and creative processes behind those works. Studio lessons provide opportunities for drawing, painting, sculpting, and other creative endeavors. Course Length: 2 Semesters. Prerequisite: World History is recommended as a prerequisite or co-requisite but not required.
Required but not provided-
Acrylic paint set
Tempera paintbrush set
Clay, white, self-hardening
*Other household items may be needed

MUSIC APPRECIATION

This course introduces students to the history, theory, and genres of music. The first semester covers basic music theory concepts as well as early musical forms, classical music, patriotic and nationalistic music, and twentieth-century music. The second semester presents modern traditions, including American jazz, gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world. To comply with certain state standards for the arts, a student "performance practicum" is required for full credit each semester. The performance practicum requirement can be met through participation in supervised instrumental or vocal lessons, church or community choirs, community musical performances, or any other structured program that meets at regular intervals and provides opportunities for students to build vocal and/or instrumental skills. Parents or guardians will be required to present their student's proposed practicum to the student's teacher for approval and validate their student's regular participation in the chosen performance practicum.

ANIMATION

Have you ever watched a cartoon or played a video game where the animation of characters captivated you so much you wanted to create your own? If so, it's time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story to life with animation! It's time to start animating like the pros! In this hands-on course, you'll immediately start exploring the software Blender, your gateway to 3D modeling, computer animation, and postproduction procedures used in the film industry. Discover 3D modeling and animation of characters. Explore the basics of human anatomy and form to apply rigging, joints, and texture. Examine rendering and lighting effects and how to apply sound. And discover careers so you can start using your new skills right away.

HEALTH

NUTRITION AND WELLNESS

This half-credit course will introduce the student to an overview of good nutrition principles that are needed for human physical and mental wellness. Discussion of digestion, basic nutrients, weight management, sports and fitness, and life-span nutrition is included. Application to today's food and eating trends, plus learning to assess for reliable nutrition information is emphasized.

PHYSICAL EDUCATION

This course combines online instructional guidance with student participation in weekly cardiovascular, aerobic, muscle-toning, and other activities. Students fulfill course requirements by keeping weekly logs of their physical activity. The course promotes the value of lifetime physical activity and includes instruction in injury prevention, nutrition and diet, and stress management. Students may enroll in the course for either one or two semesters.

SKILLS FOR HEALTH

This course focuses on important skills and knowledge in nutrition; physical activity; the dangers of substance use and abuse; injury prevention and safety; growth and

development; and personal health, environmental conservation, and community health resources. The curriculum is designed around topics and situations that engage student discussion and motivate students to analyze internal and external influences on their health-related decisions. The course helps students build the skills they need to protect, enhance, and promote their own health and the health of others.

SKILLS FOR HEALTH AND NUTRITION & WELLNESS

This course focuses on important skills and knowledge in nutrition; physical activity; the dangers of substance use and abuse; injury prevention and safety; growth and development; and personal health, environmental conservation, and community health resources. The curriculum is designed around topics and situations that engage student discussion and motivate students to analyze internal and external influences on their health-related decisions. The course helps students build the skills they need to protect, enhance, and promote their own health and the health of others. This course will also

introduce the student to an overview of good nutrition principles that are needed for human physical and mental wellness. Discussion of digestion, basic nutrients, weight management, sports and fitness, and life-span nutrition is included.

WORLD LANGUAGES

CHINESE I

Students begin their introduction to Mandarin Chinese with fundamental building blocks in four key areas of world-language study: listening comprehension, speaking, reading, and character study. The extensive use of authentic materials (video, audio, images or texts) allows for a contextualized and interactive presentation of the vocabulary and the linguistic structures. Students are actively engaged in completing task-based activities individually and collaboratively while formulating and testing hypotheses about different aspects of the target

language. The materials and the activities engage students and help them develop the necessary metacognitive strategies to be successful both in the processing of the authentic input and in negotiating meaning to reach mutual understanding with other speakers. Cultural information relevant to China and Chinese communities around the world permeate the materials from beginning to end

CHINESE II

Students continue their study of Chinese by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Character recognition and practice are a key focus of the course and students are expected to learn several characters each unit. However, pinyin is still presented with characters throughout the course to aid in listening and reading comprehension. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing.

FRENCH I

Students begin their introduction to French with fundamental building blocks in four key areas of world language study: listening comprehension, speaking, reading, and writing. The extensive use of authentic materials (video, audio, images or texts) allows for a contextualized and interactive presentation of the vocabulary and the linguistic structures. Students are actively engaged in completing task-based activities individually and collaboratively while formulating and testing hypotheses about different aspects of the target language. The materials and the activities engage students in such a way that they learn to develop the necessary metacognitive strategies to be successful both in the processing of the authentic input and in negotiating meaning to reach mutual understanding with other speakers. Cultural information relevant to Francophone countries and communities and cross-cultural reflections permeate the materials from beginning to end.

FRENCH II

Students continue their study of French in this level two course by building on and expanding listening, speaking, reading, and writing skills. Constant use of authentic videos, images, audio, and text (including literary texts) provide greater contextualization of key learning concepts

and cultural information relevant to Francophone countries and communities. The course follows a linear version, but each lesson can stand on its own, this allowing greater flexibility in the creation of playlists. A wide range of activities engages students to continue to develop metacognitive strategies by processing authentic input in order to produce both spoken and written French. Task-based projects allow for individual and collaborative creation, negotiation, and presentation within the target language.

SPANISH I

Students begin their introduction to Spanish with fundamental building blocks in four key areas of world-language Spanish study: listening comprehension, speaking, reading, and writing. The extensive use of authentic materials (video, audio, images or texts) allows for a contextualized and interactive presentation of the vocabulary and the linguistic structures. Students are actively engaged in completing task-based activities individually and collaboratively while formulating and testing hypotheses about different aspects of the target language. The materials and the activities engage students in such a way that they learn to develop the necessary metacognitive strategies to be successful both in the processing of the authentic input and in negotiating meaning to reach mutual understanding with other speakers. Cultural information relevant to Hispanic countries and communities and cross-cultural reflections permeate the materials from beginning to end.

SPANISH II

Spanish II picks up from Spanish I as students continue by building on and expanding listening, speaking, reading, and writing skills. Frequent use of authentic videos, images, audio, and text provide greater contextualization of key learning concepts and cultural information relevant to Hispanic countries and communities. The course follows a modular design to allow for greater flexibility and pacing in both fully online and blended environments and teachers will be able to search for specific lessons and activities as well as authentic media. A wide range of activities engages students to continue to develop metacognitive strategies by processing authentic input in order to produce both spoken and written Spanish. Task-based projects allow for individual and collaborative creation, negotiation, and presentation within the target language.

SPANISH III

Students further deepen their understanding of Spanish by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts. Students should expect to 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 covering a wide range of topics and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; read and analyze important pieces of Hispanic literature; and take frequent assessments by which their language progression can be monitored. Prerequisite: Spanish II (or equivalent).

SIGN LANGUAGE

Did you know that American Sign Language (ASL) is the third most commonly used language in North America? WLG150 Sign Language will introduce you to vocabulary and simple sentences so that you can start communicating right away. Importantly, you will explore Deaf culture—social beliefs, traditions, history, values, and communities influenced by deafness.

ELECTIVES

CULINARY ARTS

Food is fundamental to life. Not only does it feed our bodies, but it's often the centerpiece for family gatherings and social functions. In this course, students learn all about food, including food culture, food history, food safety, and current food trends. They also learn about the food service industry and prepare some culinary dishes. Through hands-on activities and in-depth study of the culinary arts field, this course helps students hone their cooking skills and gives them the opportunity to explore careers in the food industry.

DIGITAL PHOTOGRAPHY

Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera

functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer. Learn more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring you photos to life. Using this knowledge, build a portfolio of your work to pursue a career in this field!

EARLY CHILDHOOD EDUCATION

Children experience enormous changes in the first few years of their lives. They learn to walk, talk, run, jump, read and write, among other milestones. Caregivers can help infants, toddlers, and children grow and develop in positive ways. This course is for students who want to influence the most important years of human development. In the course, students learn how to create fun and educational environments for children; how to keep the environment safe for children; and how to encourage the health and well-being of infants, toddlers, and school-aged children.

GENERAL ACCOUNTING

The first semester of a two-semester course. The course teaches accounting while placing emphasis on conceptual understanding and financial statement analysis to encourage students to apply accounting concepts to real-world situations and make informed business decisions. Topics include transactions and methods of accounting for both service and merchandising businesses. The second semester of a two-semester course. The course continues to teach accounting while placing emphasis on conceptual understanding and financial statement analysis to encourage students to apply accounting concepts to real-world situations and make informed business decisions. Topics include transactions and methods of accounting for both service and merchandising businesses.

SPORTS AND ENTERT MARKETING

Students who have wished to play sports professionally or who have dreamed of becoming an agent for a celebrity entertainer have an interest in sports and entertainment marketing. Although this particular form of marketing bears some resemblance to traditional marketing, there are many differences as well including a lot more glitz and glamour! In this course, students have the opportunity to explore basic marketing principles and delve deeper into the multibillion-dollar sports and entertainment marketing industry. Students learn how professional athletes, sports teams, and well-known entertainers are marketed as commodities and how some of them become billionaires as a result.

SERVICE LEARNING

Service Learning I is a half credit course designed to encourage social connection and giving back to one's community. Students use provided resources and required forms to participate in pre-approved volunteer activities in their community. The course requires submission of signed volunteer logs as well as writing assignments reflecting on the service experiences. There are no supplementary materials provided with this course, but students must download required forms from within the online classroom. Service Learning II has the same requirements but gives students the opportunity to earn a second half-credit if desired.

MARKETING

Students find out what it takes to market a product or service in today's fast-paced business environment. They learn the fundamentals of marketing using real-world business examples. They learn about buyer behavior, marketing research principles, demand analysis, distribution, financing, pricing, and product management. Students build on the skills and concepts learned in Introduction to Marketing I to develop a basic understanding of marketing principles and techniques. By the end of the course, they will have developed their own comprehensive marketing plan for a new business.

BIOTECHNOLOGY

The fusion of biology and technology creates an amazing process and offers humanity a chance to significantly improve our existence, while simultaneously creating new challenges. In Biotechnology: Unlocking Nature's Secrets, you'll build on your knowledge from Biotechnology: Introduction and learn how this field seeks to cure such deadly diseases as cancer and malaria, develop innovative medicine, and effectively feed the world through improved agricultural systems. Learn about some of the challenges biotechnology faces today, such as the growth of antibiotic resistant bacteria and questions about the safety of commercially produced genetically modified organisms (GMOs). You'll research new biotechnologies and learn how they are changing the world we live in, including the environmental benefits of industrial biotechnology.

CAREER PLANNING

Students use an informative interactive process to explore career and life options in this one-semester elective. They begin with a thorough examination of their own interests, aptitudes, achievements, and personality styles. Instructional material then helps them match job market information, interview techniques, training requirements,

and educational paths to potential careers that suit their strengths and personal priorities. Successfully completing this course gives students the ability to identify and describe their personal interests, aptitudes, and lifestyle goals; locate and evaluate information about different careers; identify the skills and knowledge needed for careers of interest and how to obtain them; and create an entrepreneurial business plan.

CAREERS IN CRIMINAL JUSTICE

Do you want to help prevent crime and maintain order in society? The criminal justice system may be a good career option. The criminal justice system offers a wide range of career opportunities, from law enforcement to forensic scientists to lawyers and judges. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system. Careers in each area will be explored and students will learn more about the expectations and training required for various career options in the criminal justice field.

CRIMINOLOGY

In the modern world, many citizens share a concern about criminal behaviors and intent. This course introduces students to the field of criminology, the study of crime. Students look at possible explanations for crime from psychological, biological, and sociological perspectives; explore the categories and social consequences of crime; and investigate how the criminal justice system handles criminals and their misdeeds. The course explores some key questions: Why do some individuals commit crimes while others do not? What aspects of culture and society promote crime? Why are different punishments given for the same crime? What factors—from arrest to punishment—help shape the criminal case process?

AGRISCIENCE 1: INTRODUCTION

Agriculture has played an important role in the lives of humans for thousands of years. It has fed us and given us materials that have helped us survive. Today, scientists and practitioners are working to improve and better understand agriculture and how it can be used to continue to sustain human life. In this course, students learn about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

DIGITAL MEDIA: PRODUCING FOR THE WEB

Let's polish your digital media skills and help you learn all about web design. Incorporate your creative ideas into websites and discover the basics of marketing to understand how your work can be used effectively. You'll also explore the world of podcasts and audio editing to construct a solid foundation from which you can pursue a career in this exciting field.

ENTREPRENEURSHIP 1

In this introductory business course, students learn the basics of planning and launching their own successful business. Whether they want to start their own money-making business or create a non-profit to help others, this course helps students develop the core skills they need to be successful. They learn how to develop new business ideas, attract investors, market their business, and manage expenses.

FASHION DESIGN & INTERIOR DESIGN

Are you a fashion trend follower? Are you drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do you dream of designing your own line of clothing or accessories? Learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. Start creating!to get

FOUNDATIONS OF GAME DESIGN

Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game!

GREEN DESIGN AND TECHNOLOGY

This course examines the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students learn about the potential for emerging energy

technologies such as water, wind, and solar power. They find out how today's businesses are adapting to the increased demand for sustainable products and services. In this course, students develop a comprehensive understanding of this fast-growing field.

HEALTH SCIENCE

Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and measles identified and diagnosed? Health sciences provide the answers to questions such as these. This course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of

diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas.

HOSPITALITY AND TOURISM

With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, the hospitality and tourism industry are one of the fastest growing in the world. This course introduces the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Students learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

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IMAGE DESIGN AND EDITING

This introductory design course is for students who want to create compelling, professional-looking graphic designs and photos. Students learn the basics of composition, color, and layout through the use of hands-on projects that allow them to use their creativity while developing important foundational skills. They use GIMP software to create a graphic design portfolio with a wide variety of projects involving the mastery of technical topics, such as working with layers and masks, adding special effects, and effectively using typefaces to create visual impact. The projects help students develop the skills they need to create and edit images of their own.

INTERIOR DESIGN

Do you have a flare for designing and decorating? If so, this course will show you how to turn your interests and skills into a career. From professionals who own their own business to those working within a larger company, interior designers do it all—from planning the color scheme to choosing furniture and light fixtures—with the end goal of creating a space where people can live or work comfortably, safely, and happily. You'll learn about color, texture, trends and styles over time, how homes are built, and "green" options for homes and businesses. Most importantly, you'll learn how to work with a client to meet their unique needs and style requirements. This course will help you to identify parts of interior design that are most interesting to you, helping you to chart the path for your future.

INTERNATIONAL BUSINESS

From geography to culture, global business is an exciting topic in the business community today. This course helps students develop the appreciation, knowledge, skills, and abilities needed to live and work in the global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected. The course further provides students a conceptual tool by which to understand how economic, social, cultural, political, and legal factors influence both domestic and cross-border business. Students explore business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations. They also cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in twenty-first-century business activities.

LAW AND ORDER

Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce

and child custody. This course focuses on the creation and application of laws in various areas of society. By understanding the workings of our court system, as well as how laws are actually carried out, students become more informed and responsible citizens.

PERSONAL FINANCE

In this introductory finance course, students learn basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses. They gain a deeper understanding of capitalism and other systems so they can better understand their role in the economy of society. Students are inspired by experiences of finance professionals and stories of everyday people and the choices they make to manage their money.

RESTAURANT MANAGEMENT

Have you always dreamed of running your own restaurant? Maybe you want to manage a restaurant for a famous chef. What goes on beyond the dining room in a restaurant can determine whether a restaurant is a wild success or a dismal failure. In Restaurant Management, you'll learn the responsibilities of running a restaurant—from ordering supplies to hiring and firing employees. This course covers the different types of restaurants; managing kitchen and wait staff; food safety and hygiene; customer relations; marketing; using a point-of-sale system; scheduling employees; and dealing with difficult guests. Restaurant Management will prepare you for a steady career, whether you plan to buy a fast-food franchise, operate a casual sit-down restaurant, or oversee a fine-dining establishment.

WORLD OF COMPUTING

TCH007 World of Computing is a CodeHS introductory computer science course introducing the basics of programming with Karel the Dog, and the history and impact of computing. Students will learn to code using blocks to drag and drop, but they can switch between blocks and text as desired. With a unique focus on creativity, problem solving, and project based learning, World of Computing gives students the opportunity to explore several important topics of computing using their own ideas and creativity to develop and interest in computer science that will foster further endeavors in the field.

WEB DESIGN

This course provides a comprehensive introduction to the essentials of web design, from planning page layouts to publishing a complete site to the web. Students learn how to use HTML to design their own web pages. The course covers basic HTML tags for formatting text, as well as more advanced tags. Through real-world design scenarios and hands-on projects, students create compelling, usable websites using the latest suite of free tools. System Requirements: Microsoft® Windows XP® or higher, or Mac® OS X® operating system; 400 MHz or faster processor; 512 MB of memory (RAM); at least 2 GB of hard drive space; Adobe® Reader®.

AP (ADV. PLACEMENT)

AP ART HISTORY

AP® Art History is two semesters long with 180 days of instruction. Each lesson is designed as a 45-minute block of learning time. Every unit is planned to represent at least one of the 10 content areas required by the College Board. A pacing guide is provided to instructors to explain which works of art should be included in each unit, with some flexibility allowed. Students explore a wide range of art, from the earliest works made by prehistoric ancestors in caves to the soaring cathedrals of the Gothic era and beyond. As they study painting, sculpture, architecture, and other artwork across cultures, students acquire tools for careful observation and analysis of visual expression. This course provides opportunities for students to practice new visual vocabulary and concepts through engaging discussions, relevant research, and reports about museum experiences. Course learning objectives and enduring understanding statements that support the three big ideas for AP Art History are integrated into each unit. Instructional activities build student skills to ensure that they master the essential knowledge statements.

AP BIOLOGY

This course guides students to a deeper understanding of biological concepts, including the diversity and unity of life, energy and the processes of life, homeostasis, and genetics. Students learn about regulation, communication, and signaling in living organisms, as well as interactions of biological systems. Students carry out a number of learning activities, including readings, interactive exercises, extension activities, hands-on laboratory experiments, and practice assessments. These activities are designed to help

students gain an understanding of the science process and critical-thinking skills necessary to answer questions on the AP Biology Exam. The content aligns to the sequence of topics recommended by the College Board. Prerequisite: Suggested-Biology, Chemistry, Algebra 1 (or equivalents)

AP COMPUTER SCIENCE A

This course is meant to be a first-time introduction to computer science, and does not require students to come in with any computer programming experience. However, we recommend that students take our Introduction to Computer Science prior to our AP courses). Students who have completed our Intro to CS course will be able to apply knowledge of concepts covered in the Intro course to the more advanced setting of the AP courses. It is recommended that a student in the AP Computer Science A Semester 2 course has successfully completed a first-year high school algebra course with a strong foundation of basic linear functions, composition of functions, and problem-solving strategies that require multiple approaches and collaborative efforts. In addition, students should be able to use a Cartesian (x, y) coordinate system to represent points on a plane. It is important that students and their advisers understand that any significant computer science course builds upon a foundation of mathematical reasoning that should be acquired before attempting such a course.

AP COMPUTER SCIENCE PRINCIPLES

AP Computer Science Principles is the newest AP® course from the College Board. This course introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. With a unique focus on creative problem solving and real-world applications, the CodeHS AP Computer Science Principles course gives students the opportunity to explore several important topics of computing using their own ideas and creativity, use the power of computing to create artifacts of personal value, and develop an interest in computer science that will foster further endeavors in the field.

AP ENGLISH LANGUAGE & COMPOSITION

Students learn to understand and analyze complex works by a variety of authors. They explore the richness of language, including syntax, imitation, word choice, and tone. They also learn composition style and process, starting with exploration, planning, and writing. This continues with editing, peer review, rewriting, polishing, and applying what they learn to academic, personal, and professional contexts. In this equivalent of an introductory college-level survey class, students prepare for the AP Exam and for further study in communications, creative writing, journalism, literature, and composition. Prerequisite: Success in Literary Analysis and Composition II (or equivalent) or American Literature (or equivalent).

AP ENGLISH LITERATURE & COMPOSITION

In this course, the equivalent of an introductory college-level survey class, students are immersed in novels, plays, poems, and short stories from various periods. Students read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and discussions. The course places special emphasis on reading comprehension, structural and critical analyses of written works, literary vocabulary, and recognizing and understanding literary devices. Students prepare for the AP Exam and for further study in creative writing, communications, journalism, literature, and composition. Success in English 10 Honors or Honors American Literature (or equivalent).

AP ENVIRONMENTAL SCIENCE

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science.

AP MACROECONOMICS

This course is the equivalent of an introductory college-level course. Students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. Students also examine how individuals and institutions are influenced by employment rates, government spending, inflation, taxes, and

production. Students prepare for the AP Exam and for further study in business, political science, and history. MTH 309: Summit Algebra 2 Honors (or equivalent).

AP MICROECONOMICS

This course is the equivalent of an introductory college-level course. Students explore the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students learn why the same product can cost different amounts at different stores, in different cities, and at different times. Students also learn to spot patterns in economic behavior and learn how to use those patterns to explain buyer and seller behavior under various conditions. Lessons promote an understanding of the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in the economy. Students prepare for the AP Exam and for further study in business, history, and political science. MTH 309: Summit Algebra 2 Honors (or equivalent); and teacher/school counselor recommendation.

AP PSYCHOLOGY

AP® Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They will study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. The course exposes students to facts, research, appropriate terminology, and major figures in the world of psychology. The equivalent of a 100-level college survey course, AP Psychology prepares students for the AP Exam and for further studies in psychology and life sciences. The content aligns to the College Board Course and Exam Description for Psychology**.**

AP SPANISH LANGUAGE & CULTURE

Our online AP Spanish Language and Culture course is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP Spanish Language and Culture course prepares students for the College Board's AP Spanish Language and Culture exam. As its foundation, it uses the three modes of communication (interpersonal, interpretive and presentational) as defined in the Standards for Foreign Language Learning in the 21st Century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. Materials: Spanish-English dictionary is recommended. Prerequisites: High School Spanish III/IV. The AP Spanish course is a college level course. The intensity, quality, and amount of materials can be compared to a third-year college course.

AP US GOVERNMENT AND POLITICS

AP® U.S. Government and Politics is an introductory survey course on selected U.S. government and politics topics. This course covers the origin and development of the U.S. Constitution, including the American systems of federalism, separation of powers, and check and balances; the structure and powers of the institutions of national government, including legislative, executive, and judicial branches, and the processes of domestic and foreign public policy making; political beliefs, participation, and the factors that influence them; the national election process; the role of interest groups, political parties, and the media in the political system; and civil liberties and civil rights. The course encourages students to hone critical thinking skills as they analyze and interpret information and data in primary and secondary source readings, news reports, graphs, and tables to learn how to ask and respond to challenging questions and become responsible citizens.

AP WORLD HISTORY

This course spans the Neolithic Age to the present in a rigorous academic format organized by chronological periods and viewed through fundamental concepts and course themes. Students analyze the causes and processes of continuity and change across historical periods. Themes include human-environment interaction, cultures, expansion and conflict, political and social structures, and economic systems. In addition to mastering historical content, students cultivate historical thinking skills that involve crafting arguments based on evidence, identifying causation, comparing and supplying context for events and phenomenon, and developing historical interpretation. This course prepares students for the AP World History Exam.