

ONLINE COURSE DESCRIPTIONS

MARYSVILLE PUBLIC SCHOOLS

Any student interested in exploring the possibility of enrolling in one of the online courses listed must schedule an appointment with the counselor to discuss availability and options.

All courses utilize Edgenuity, formally known as E2020, as the online platform. Courses are taught by Highly Qualified Edgenuity instructors and supervised by certified Marysville teachers, called mentor teachers. Courses are paced with quarterly deadlines. This allows some students who work diligently to complete the course in a shortened time period but encourages others not to get too far behind. Students are required to take assessments at Marysville High School and schedule them with the mentor teacher. Academic assistance is available through the mentor teacher.

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Mathematics

Course: Algebra I

Description: This course provides in-depth coverage of writing, solving, and graphing a variety of equations and inequalities, as well as linear systems. Interactive activities provide students with opportunities to explore and discover algebraic principles on their own, and will encourage the application of learned skills to real world problems. Students will use the properties of real numbers to explore relevant project based learning activities that will provide a deeper understanding of the subject matter.

Credit: 1 credit

Course: Algebra II

Description: Develops students' ability to manipulate and use matrices in various formats to determine data relationships and delve into function types such as polynomial, logarithmic, quadratic, exponential, and rational and periodic. Offered in an instructive and highly interesting format, high school level student will have the skills needed for state standardized tests and national exit exams upon completion of the course.

Prerequisite: Algebra I

Credit: 1 credit

Course: Geometry

Description: An interactive course designed to introduce the basics of geometry through engaging lectures and informative lesson plans. Students will be challenged to apply previously learned knowledge to high-level ideas such as reasoning and proof, geometric relationships, and logic. This informative course covers fundamentals of shapes, surface area and volume of shapes, transformations, as well as strategies that include writing, analyzing, and using proofs. High school-students will gain valuable, tangential knowledge of more complex concepts such as trigonometry.

Credit: 1 credit

Course: Financial Mathematics

Description: Informative and highly useful lessons that challenge students to gain a deeper understanding of financial mathematics. Relevant, project-based learning activities cover stimulating topics such as a personal

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activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data. Offered as a two-semester course for high school students, this course encourages mastery of mathematics skill sets, including percent, proportions, probability, data analysis, linear systems, and exponential functions.

Credit: 1 credit

Course: Personal Finance

Description: This course will teach students fundamental economic principles and the basics of managing their money. It will help them understand the world of finance as they learn about financial planning, creating a budget, filling out tax forms, opening bank accounts, and saving money for the future.

Credit: 1 credit

Course: Pre-Calculus

Description: An informative introduction to calculus that will challenge students to discover and comprehend the nature of graphs, nonlinear systems, and a polynomial and rational functions. Encouraging logarithmic knowledge and application, this course for high school student covers many interesting and advanced subject areas in a thoughtful and supportive format, providing students a deeper understanding of topics including limits, continuity, derivatives, and the Fundamental Theorem of Calculus.

Prerequisites: Algebra I, Algebra II, Geometry

Credit: 1 credit

English Language Arts

Course: Language Arts 9

Description: Provides a rigorous training in the foundations of English Language Arts skills and strategies. Using the core foundation, the course expands on and applies traditional concepts to modern, 21st-century demands. Offering practical lessons in techniques such as visualizing, making inferences and predictions and recognizing and organizational patters in online and offline texts, this course delivers hands-on training in a plying the writing process evaluating essays, and using MLA style and documentations. Over the course of two semesters, interactive grammar lessons will strengthen students' grasp of language and improve writing skills.

Credit: 1 credit

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Course: Language Arts 10

Description: Reinforces literary analysis and 21st-century skills with superb literature pieces, application, e-resources, and educational interactive. Keeping recent ninth-grade graduates in mind, the course uses the foundations of reading, writing, and analysis skills to take student to the level of mastery they will need to succeed in future English Language Arts courses and the workplace. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and applications, they also expand on training in media literacy, 21st-century career skills and the essential of grammar and vocabulary. Under the guidance of the eWritingPal software, students will also compose descriptive, persuasive, expository, literary analyses, research, and narrative and compare-contrast essays. Classic literature pieces, including the full texts of *Antigone*, *The Tragedy of Julius Caesar*, and *Gulliver's Travels*, train students in conquering complex texts. Catering not only to educators but also to students, the course texts are engaging and include many selections from world literature.

Prerequisite: Language Arts 9

Credit: 1 credit

Course: Language Arts 11

Description: Students take a journey spanning from slave narratives to contemporary works. In an engaging course structure, student will explore classic American literature in chronological order and within the context of literary eras. Setting American literature in the context of history offers students insight into how American literature developed and the unique characteristics that set it apart from other literary traditions. Over two semesters, student will read and analyze canonical works from authors such as Frederick Douglas, Edgar Allan Poe, Emily Dickinson, Walt Whitman, Nathaniel Hawthorne, Kate Chopin, F. Scott Fitzgerald, and Langston Hughes. In addition to the literature, the course also integrates communication, grammar, and writing lesson throughout to improve students' ability to discuss the reading in a scholarly setting.

Prerequisites: Language Arts 9, Language Arts 10

Credit: 1 credit

Course: Language Arts 12

Description: Offering a fascinating insight into British Literary traditions spanning from Anglo-Saxon writing to the Modern Period. With interactive introductions and historical contexts, this two-semester course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and

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Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China and Spain.

Prerequisites: Language Arts 9, Language Arts 10, Language Arts 11

Credit: 1 credit

Course: AP English Literature and Composition

Description: Covering a variety of literature readings, literature analysis and review of the author's purpose, students enrolled in this in-depth course will deepen their understanding of English literature and composition. Through the close reading of selected texts, students will closely explore structure, style and themes, rhetorical strategies, diction, figurative language, imagery, selection of detail, vocabulary and semantics and syntax. Offering the workload and intellectual challenges of an undergraduate English Literature/Humanities course, this course prepares students for post-secondary success.

Prerequisites: Language Arts 9, Language Arts 10

Credit: 1 credit

Course: Introduction to Communications and Speech

Description: Offer insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perceptions in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches in the course.

Credit: 1 credit

Social Studies

Course: Economics

Description: Provide students with an understanding of the principles of economics. Interactive lessons allow students to apply the key microeconomic concepts of supply and demand as well as the role of prices as they become familiar with how markets work. This course targets important aspects of the world economy,

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including international trade and global economic challenges, and encourages students to apply the economic way of thinking to a variety of situations relevant to their everyday lives.

Credit: 1 credit

Course: Government

Description: Introduce student to the founding fathers and expose them to the ideas that shaped the nation. Students will identify important political leaders and trace the development and organization of federal, state, and local government. In addition, students will explain the political process and analyze the United States' role as a global, political, and economic participant. The course specifically targets philosophies and foundations of the United States Government, the organization of the branches of U.S. Government, government on a state and local level, and civil liberties and laws. Full of timely and interesting content, the course will inspire student to be citizens that are more informed and equip them to understand the way the United States compares economically and politically on a global scale.

Credit: 1 credit

Course: US History

Description: Trace the experiences and effects of important historical and political figures from the early colonial era to the 21st-century. Students will explore historical events, such as the Civil War, America's westward expansion, the Great Depression, World War I, World War II, and the Cold War, and determine how each event affected the nation.

Credit: 1 credit

Course: World History

Description: Provides interactive course content that will challenge high school student to learn about the political, economic, and social aspects of world history. This highly engaging, course encourages student to explore the major revolutions and social movement that have influenced different nations and eventually spread through the world. During this course, student will be exposed to a variety of pressing issues that has garnered opportunities for both conflict and cooperation in the modern world. (*Prerequisite: Middle School World History*)

Credit: 1 credit

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Science

Course: Biology

Description: Two-semester course that engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a year –long course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, heredity and reproduction, the evolution of life, classification and kingdoms, human body system, and ecology.

Credit: 1 credit

Course: Chemistry

Description: a look into the composition, structure, and reactions of matter. This course encourages high school students to ask questions about things that occur in nature and determine the underlying chemical composition that cause these reactions. Students will engage in lessons covering atomic structures, the periodic table, and chemical bonding that will unlock the mysteries of the elements that make up our planet. Compelling course, content will challenge students and will inspire further inquiry in more advanced levels of chemistry.

Credit: 1 credit

Course: Environmental Science

Description: This course offers compelling lessons that cover many different aspects of the field: ecology, the biosphere, land, forests, and soil; water, energy and resources, and societies and policy. Presented in an engaging format, high school students will connect scientific theory and concepts to current, real-world dilemmas through unique activities and material, providing opportunities for mastery in each of the segments throughout two semesters.

Credit: 1 credit

Course: Physics

Description: Combining scientific inquiry with advanced mathematics that will challenge students to understand and explain how energy, matter, and motion are all related. Engaging lessons introduce theories and experiments and encourage student to develop the knowledge and understanding necessary to support conclusions with numerical results. Inspiring student to relate knowledge to real-world applications, the course

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connects basic principles to more complex ideas in many fascinating areas; thermal energy, vibrations and waves, light and refraction, sound, electricity and magnetism.

Credit: 1 credit

Electives

Course: Art History I

Description: Offers high school student an in-depth overview of art through history, with lessons organized by chronological and historical order, and world regions. Student enrolled in the course will cover topics including: Early Medieval Art and Romanesque Art; Art in the 12th, 13th, and 14th Century; 15th Century Art in Europe; 16th Century Art in Italy; The Master Artist; High Renaissance and Baroque Art; World Art, which includes the Pacific Cultures; 18th and 19th Century Art in Europe and the Americas; and concludes with an art unit that covers Modern Art in Europe and the Americas.

Credit: 1 credit

Course: Computer Applications (Office @2007)

Description: Offer an insight into the suite of products most used by working professionals. High school students will become proficient in Word®, Excel®, PowerPoint®, and Outlook® through engaging lessons and coursework. This one-semester course is designed to provide student with hands-on experience with tasks such as creating flyers, brochures, schedules, presentation, and mail merge.

Credit: 1 credit

Course: Foundation of Personal Wellness

Description: A comprehensive and cohesive course which explores all aspect of wellness. Offered as a two-semester course designed for high school students, coursework uses pedagogical planning to ensure that a student's explore fitness and physical health, and encourages student sot learn about the nature of social interactions and how to plan a healthy lifestyle. This course can also be configured as a one-semester Healthy Living course or a one-semester Lifetime Fitness course.

Credit: 1 credit

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Course: Healthy Living

Description: A one-semester course that provides students with comprehensive information they can utilize to develop healthy attitudes and behavior patterns. Designed for high school students, this informative and engaging course encourages students to recognize that they have the power to choose healthy behaviors in order to reduce risks.

Credit: 1 credit

Course: Lifetime Fitness

Description: Equip high school student with the skills they need to achieve lifetime fitness. Throughout this one-semester course, students assess individual fitness levels according to the five components of physical fitness; cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage student to design a fitness program to meet their individual fitness goals.

Credit: 1 credit

Course: Introduction to Art

Description: Encourage students to gain understanding and appreciation of art in their everyday lives. Presented in an engaging format, this course provides an extensive overview of many introductory themes; defining art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course will also explore the following time periods and places; prehistoric art, art in ancient civilizations, and world art before the year 1400.

Credit: 1 credit

Course: Psychology

Description: This two-semester course will introduce high school students to the study of psychology. It will challenge student to master fundamental concepts in research, theory, and human behavior and will expose them to the facts, concepts, and principles associated with the major fields within psychology. Students will analyze human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological perspective, the psychosocial perspective, and the cognitive perspective.

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From the psychological point of view, students will investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field.

Credit: 1 credit

Course: Sociology

Description: This course delves into the fundamental concepts of sociology. This interactive course covers cultural diversity and conformity, base structures individuals and socialization, stages of human development as they relate to sociology, deviance from social norms, social stratification, racial and ethnic interactions, gender roles, family structure, the economic and political aspects of sociology, the sociology of public institutions, and collective human behavior both historically and in modern times.

Credit: 1 credit

Course: Strategies for Academic Success

Description: Encourages high school and middle schools student to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help student identify what works best for them individually, this course covers important study skills, such as taking high quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques

Credit: 1 credit

Course: Digital Arts I

Description: Students will learn about processes for evaluating artwork, selected artists' works, styles and historical periods, methods of working with color, and many other topics that will help them express themselves in original digital drawings and artwork. As students learn and work with Inkscape, they will gain a solid foundation of the basic elements of visual art; line, shape, form, color, value, space, and texture.

Credit: 1 credit

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Course: German I

Description: Students begin their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major German-speaking areas in Europe. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Credit: 1 credit