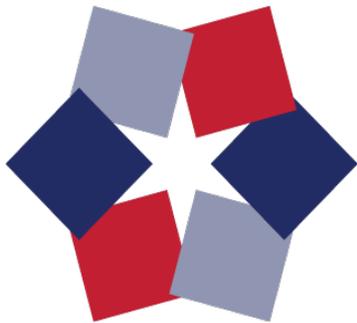


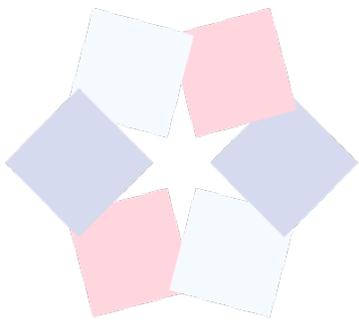
# Course Catalog 2019-20



**FINDLAY  
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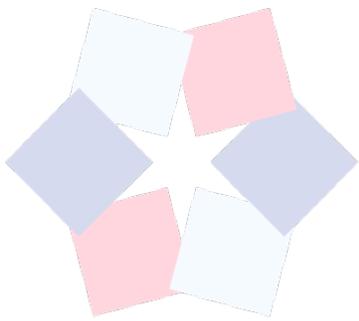


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## ***BUSINESS***

- ***MARKETING BASICS (½ CREDIT)***

In this eighteen-unit course, students learn about the primary components, methods, and uses of marketing. Marketing focuses on the promotion of various products offered by businesses/companies and can include either goods or services. Topics discussed throughout this course include the following: understanding what marketing is, promotion, mission statements, pricing, advertising, decision-making, digital marketing, developing new ideas, supply chains, sales, and customer relationship management.



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## ***CAREER TRAINING***

- ***AGRICULTURE (¼ CREDIT)***

Ohio Means Jobs website has broken down careers into Career Clusters. In this nine-unit course, students will look at careers in the Agriculture and Environmental Systems Cluster.

- ***BUSINESS ADMINISTRATION (¼ CREDIT)***

In this nine-unit course, students learn what it means to have a career in business. They also research four careers in the Business Cluster and search for information regarding these careers on the Ohio Means Jobs website.

- ***CAREER EXPLORATION (½ CREDIT)***

Students complete eighteen units on four careers: Chef or Head Cook, Landscape Gardener, Registered Nurse, and Probation Officer. There is an emphasis on the skills needed in these careers in areas of Literacy, Math, College and Career Readiness, and Journal Reflection.

- ***CAREER PLANNING (½ CREDIT)***

The process of finding a job can be overwhelming and a little intimidating. This eighteen-unit course guides students step by step through the process, which involves applying, accepting, and keeping their next job.

- ***CAREER READINESS (½ CREDIT)***

In this eighteen-unit course, students study the skill sets necessary for success in the world of work. There is an emphasis on communication, teamwork, and attitude.

- ***MEDICAL TERMINOLOGY (½ CREDIT)***

In this eighteen-unit course, students learn the basics of medical terminology. They study the scientific language that is used to describe the human body, medical conditions, and hospital procedures. The course also stresses the importance of recognizing root words, prefixes, and suffixes.

- ***OHIO MEANS JOBS (¼ CREDIT)***

This nine-unit course is designed to give an introduction to the Ohio Means Jobs website. After the course, the student has a career plan and be ready to search and to apply for jobs on this site.

## FINDLAY DIGITAL ACADEMY

- ***OIL & GAS: INTRODUCTION (¼ CREDIT)***

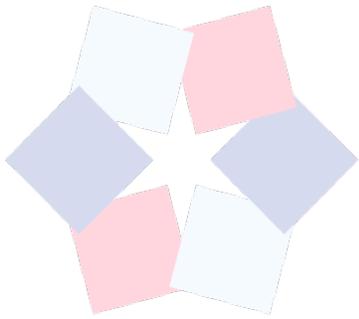
This nine-unit course is designed to give an introduction to the oil and gas industry through the Ohio Oil and Gas Energy Education Program (OOGEEP) website. Students explore the history of oil and gas in Ohio and use the OOGEEP website to watch videos and engage in interactive activities. The course provides an understanding of the workings of the oil and gas business, not only in Ohio but throughout the United States.

- ***OILFIELD BASICS (1 CREDIT)***

This thirty-six unit course introduces students to all the primary operations within today's shale plays in the United States. It covers a wide variety of topics, such as the divisions of the industry, leasing, well pad construction, and drilling operations. The course is designed to prepare students to be ready for work when they arrive at the job site.

- ***PUBLIC SAFETY (¼ CREDIT)***

In this nine-unit course, students learn about and research careers in the law, public safety, corrections, and security job cluster. They also research eight careers in the Public Safety cluster and search for information regarding these careers on the Ohio Means Jobs website.



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## ***ENGLISH LANGUAGE ARTS***

- ***AIR ENGLISH I (1 CREDIT)***

This thirty-six unit course is designed to prepare Ohio students for the AIR English Language Arts I Assessment. The Argumentative and Informative/Essay writing course is divided into two, nine-unit sessions. The first nine units focus on creating argumentative essays. This section is broken down into an overview of arguments, transition words, introduction paragraph, body paragraphs, claims, counterclaims, and the closing paragraph. The second group of nine units hones in on how to create an informative/expository essay. Units focus on introductory paragraphs, body paragraphs, closing paragraphs, as well as an overview of the informative essay. Students are asked to use the in-text citation for both essays. This is reviewed in both sections. Starting in Unit 19, there is an introduction to literary analysis, which is the practice of looking closely at small parts to see how much they affect the whole. A literary analysis essay always discusses the significance of the reader's observations to the main idea about life (the theme). Finally, beginning in Unit 28, informational text is taught. Students read several different passages and answer questions based on these passages. Informational text is a type of nonfiction writing that is written to inform the reader about a specific topic. Students learn about the central idea being the most crucial point that the author wants to convey about a topic.

- ***AIR ENGLISH II (1 CREDIT)***

This thirty-six unit course is designed to prepare students for the AIR English Language Arts II Assessment. Students apply the writing process to develop argumentative/persuasive/opinion, informative/expository/explanatory, and literary analysis essays. Additionally, students read, analyze, and respond to various literary genres, including argumentative texts, historical documents, poetry, short stories, dramas, and other genres that appear on the AIR Assessment. Each unit coach's students to read a particular genre and to answer the questions that appear on the AIR Assessment. Finally, at the end of every unit, students review grammar and language conventions, including parts of sentence parts, sentence types, parallel structure, capitalization, and punctuation.

- ***INTEGRATED LANGUAGE ARTS III (1 CREDIT)***

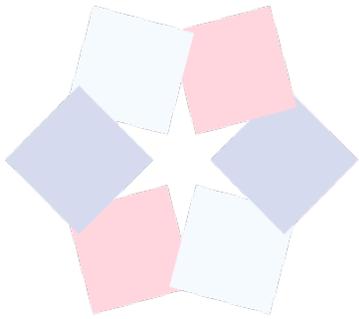
This course consists of thirty-six units. In Units 1 through 18, students review the basics of grammar, refine writing, improve vocabulary, and delve into the world of American literature. Students apply the writing process to review paragraph writing and functional document writing, such as business letters and resumes. Students also write longer descriptive and persuasive compositions and engage in several creative writing activities. They apply research skills to develop a persuasive speech. In Units 19 through 36, students read, analyze, and respond to various genres in American literature, including poetry, short stories, nonfiction, and the novel, *Ethan Frome* by Edith Wharton.

- ***INTEGRATED LANGUAGE ARTS IV (1 CREDIT)***

This course consists of thirty-six units. Students read and respond to English literature from the Anglo Saxon Period through the Twentieth Century. Units 1 through 18 focus on writing. Students apply the writing process to write paragraphs, compositions, and reflective essays. They also engage in an extensive research project and develop a formal research paper. In Units 19 through 36, students read, analyze, and respond to various genres in British literature, including poetry, essays, and the Elizabethan drama, *Romeo and Juliet* by William Shakespeare.

- ***SHORT STORIES (½ CREDIT)***

Short Stories is an eighteen-unit course. The stories are selected to encourage and to motivate students to read and enjoy literature from a wide variety of authors. Students read several short stories and use the writing process to respond to each selection. They are required to complete projects and conduct independent research. Content is aligned with grades 09-11 in the Language Arts Reading Standards.



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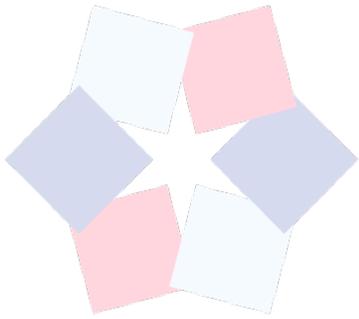
## ***ENTERTAINMENT TECHNOLOGY***

- ***GAMES THROUGH THE AGES (½ CREDIT)***

In this eighteen-unit course, students will learn that games reflect the social, religious, political, and economic elements of every society's culture. They will also have the opportunity to construct game boards developed by ancient civilizations and to demonstrate a knowledge of game rules by accurately applying them. The designs of new and old games will be compared and contrasted. The course includes several projects that students must photograph and send to the instructor.

- ***MODERN STORYTELLING (½ CREDIT)***

Students learn the fundamentals of modern, dramatic storytelling in this eighteen-unit course. This includes posing dramatic questions, creating characters, establishing conflicts, and working with beat sheets. As a final project, students write an original script for the first act of a television show.



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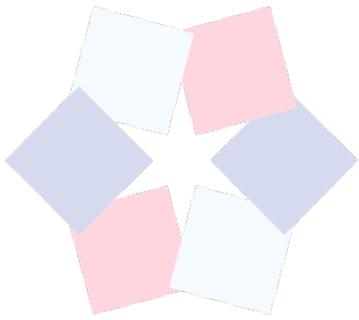
## ***FAMILY & CONSUMER SCIENCE***

- ***CHILD DEVELOPMENT (½ CREDIT)***

Parenting involves many years of a person's life, but often, people are not prepared for the challenge. This eighteen-unit course will encourage students to think about skills engaged in parenting, explore if or when they would like to become parents and the development and changes which occur during pregnancy. It will also explore the growth a child experiences through physical, emotional, moral, social, and intellectual development. Many careers available today touch on some facet of child development. This course will briefly discuss some of these professions and the training that is required to work in these fields.

- ***FAMILY LIVING (½ CREDIT)***

This eighteen-unit course will prepare students for life after high school. They will explore available housing choices as well as the advantages of renting an apartment or buying a home. Students will look at setting up a house and what they can do to turn it into a home. Food preparation is an important part of the course. There will be opportunities to prepare simple recipes and to practice cooking skills. Washing clothes will be a breeze after students examine laundry basics. Budgeting, writing checks, and investigating consumer issues will prepare participants in this class for working with finances. Decision-making and communication skills are also stressed.



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## ***FINE ARTS***

- ***ART HISTORY (½ CREDIT)***

In this eighteen-unit course, students learn not only to analyze and appreciate art but to enjoy it. This course presents the changes and artistic movements from the prehistoric to the modern. The course starts by studying cave art and Classical Greek art; then, it moves through history and covers the Renaissance, Colonial American, Realism, and Impressionism. It ends with the late twentieth century's New Media. All this is included and more, giving a cohesive timeline from which students may gain an accurate view of history.

- ***HISTORY OF JAZZ (½ CREDIT)***

In this eighteen-unit course, students begin with a brief lesson in basic music terminology that helps them understand the development of this American popular music genre. They study the origins of jazz in the nineteenth century and its numerous musical style developments, including, Ragtime, Swing Music, Bebop, Cool Jazz, Free Jazz, Fusion, and Modern Jazz. Students also get an in-depth look at some of the biggest names in jazz from Louis Armstrong and Duke Ellington to Miles Davis and Wynton Marsalis. Numerous video and audio recordings are used throughout the class as a resource to assist students in understanding the development of this genre of music.

- ***HISTORY OF ROCK-N-ROLL (½ CREDIT)***

In this eighteen-unit course, students begin with a brief lesson in basic music terminology that helps them understand the development of this American popular music genre. They then study the origins of Rock and Roll beginning in the 1950s and its numerous musical-style developments, including, Rockabilly, Motown, the British Invasion, Folk Rock, Psychedelic Rock, Hip Hop, Disco and Funk. Students also get an in-depth look at some of the biggest names in the history of Rock and Roll from Elvis and Little Richard to Led Zeppelin and Kurt Cobain. Numerous video and audio recordings are used throughout the class as a resource to assist students in understanding the development of this genre of music. Some of these videos and recordings may be considered inappropriate due to the topics covered within the music or language used within the songs. They are an integral part, however, of the history of Rock and Roll.

- ***INTRO TO ART A & B (½ CREDIT)***

Introduction to Art, consisting of eighteen units. This class is split into two sections - the first deals with basic knowledge and understanding of how art is made, and the second is a hands-on approach to creating art. Students will learn how artists create their art by using the art elements and principles of design. Art history, criticism, aesthetics, and art careers are also explored. In the second half of the course, students will get to create a variety of projects using a wide range of art materials. Drawing, painting, sculpture, printmaking, and photography are just a few of the disciplines students will enjoy.

- ***INTRO TO MUSIC (½ CREDIT)***

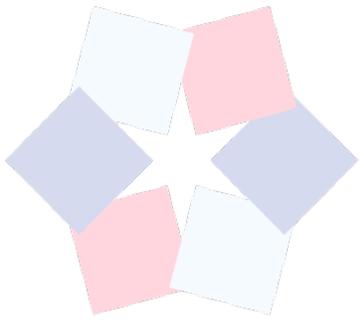
This introduction course consists of eighteen units. Students will begin the course with a brief lesson in basic music terminology that will help them understand the development of music history. Students will then learn about essential music developments in each musical period, including The Middle Ages, Renaissance, Baroque, Classical, Romantic, 20th Century, Jazz, and Rock and Roll. Important composers from Bach, Mozart, and Beethoven to Elvis, Louis Armstrong, and the Beatles will also be discussed. Numerous video and audio recordings will be used throughout the class as a resource for understanding the development of this genre of music. Students should take the time to listen to and watch all videos as material from those videos will show up in the assessments at the end of each lesson. Some of these videos and recordings might be considered inappropriate due to the topics covered within the music or language used within the songs. They are an integral part, however, of the history music

- ***MUSIC APPRECIATION (½ CREDIT)***

This eighteen-unit course considers music to be a reflection of the history of our world and/or country. Each country has developed specific music giving it its own humanistic value. Music offers students a chance to understand and appreciate each period of history: it influenced the past, defines the present, and affects the future. This course is designed to give students a taste of the music and culture from each designated period in the timeline of music history. The topics in this course are enhanced with video segments to help students comprehend the era in which each style of music was incorporated. Many audio pieces give the student a feel for the spectrum of music history, its composers, and/or their repertoires. Music Appreciation helps students gain a better understanding of and a new appreciation for the world of music.

- ***RENAISSANCE ART (½ CREDIT)***

This course, consisting of eighteen units, exposes students to the great artists of the Renaissance period. It teaches them the tricks and illusions that forever changed the world's view of painting and sculpture. Students learn the elements of art and become acquainted with the principles of design. The works of the Renaissance are not studied in chronological order but in terms of the elements and how the artists implemented the features. The techniques, employed by the Renaissance artists, still influence artists today. Through this study of artistic technique, students understand the impact of the Renaissance and appreciate its influence.



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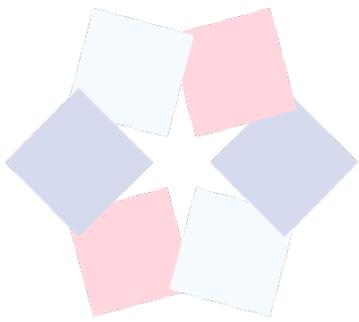
## ***HEALTH***

- ***HEALTH (½ CREDIT)***

This eighteen-unit course focuses on helping students to become responsible for their personal wellness. Students develop essential knowledge and understanding of body systems, body functions, and body needs. They practice and implement healthy habits and routines that properly support and care for these systems, functions, and needs.

- ***PHYSICAL EDUCATION I (½ CREDIT)***

In this eighteen-unit course, students learn about being active and improving physical fitness. Each student chooses his or her own physical activities and participates in them for fifty minutes, three days per week. Students are required to keep a log of these activities. The course also emphasizes warming up, cooling down, staying hydrated, and eating well.



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**MATHEMATICS**

- ***AIR ALGEBRA I (1 CREDIT)***

This thirty-six unit is designed to prepare Ohio students for the AIR Algebra Assessment. Some of the topics that the students will be able to do: connect physical, verbal, and symbolic representations of the real number system; investigate properties, including closure; demonstrate fluency in computations with real numbers; solve and graph linear equations and inequalities; define functions, determine slope, calculate distance, and draw graphs of linear equations using slope, y-intercept, parallel, and perpendicular lines; determine the characteristics of linear, quadratic, and exponential functions; solve systems of linear equations involving two variables graphically and symbolically; simplify and compute with rational and radical expressions; model and solve problem situations involving direct and indirect variation; define basic trigonometric ratios in right triangles and apply proportions to solve problems involving right triangle trigonometry.

- ***BASIC GEOMETRY (1 CREDIT)***

In thirty-six units, students study the same topics presented in CP geometry courses to assure total alignment with Ohio's Learning Standards. However, content and assessments have been adapted to a more appropriate format and level of difficulty. Units include extensive examples, worksheets for practice and interactive activities to enhance learning.

- ***CP GEOMETRY (1 CREDIT)***

In this course consisting of thirty-six units, some of the topics that students will be able to do: formally define geometric figures; describe and apply the properties of similar and congruent figures, and justify conjectures involving similarity and congruence; recognize and apply angle relationships in situations involving intersecting lines, perpendicular lines, and parallel lines; use coordinate geometry to represent and examine the properties of geometric figures including slope, midpoint, distance, parallel, and perpendicular lines; draw and construct representations of two- and three-dimensional geometric objects using a variety of tools, such as straightedge, compass, and technology. calculate and explain the difference between absolute error and relative error; interpret the relationship between two variables using multiple graphical displays and statistical measures; model problems dealing with uncertainty with area models; differentiate and explain the relationship between the probability of an event and the odds of an event.

- ***BASIC ALGEBRA II (1 CREDIT)***

In this course consisting of thirty-six units, some of the topics students will be able to do: demonstrate fluency in operations with real numbers, vectors, and matrices; represent and compute with complex numbers; use fractional and negative exponents to find solutions for problem situations; describe and compare the characteristics of the families of quadratics with complex roots, polynomials of any degree, logarithms, and rational functions; solve problems with matrices and vectors, solve equations involving radical expressions and complex roots, solve 3 by 3 systems of linear equations, and solve systems of linear inequalities; solve quadratic expressions, investigate curve fitting, and determine solutions for quadratic inequalities. They investigate exponential growth and decay and use recursive functions to model and solve problems; compute with polynomials and solve polynomial equations using a variety of methods including synthetic division and the rational root theorem.

- ***CP ALGEBRA II (1 CREDIT)***

In this course consisting of thirty-six units, some of the topics students will be able to do; demonstrate fluency in operations with real numbers, vectors, and matrices; represent and compute with complex numbers; use fractional and negative exponents to find solutions for problem situations; describe and compare the characteristics of the families of quadratics with complex roots, polynomials of any degree, logarithms, and rational functions; solve problems with matrices and vectors, solve equations involving radical expressions and complex roots, solve 3 by 3 systems of linear equations, and solve systems of linear inequalities; solve quadratic expressions, investigate curve fitting, and determine solutions for quadratic inequalities; use permutations and combinations to calculate the number of possible outcomes recognizing repetition and order; compute the probability of compound events, independent events, and dependent events.

- ***INTEGRATED MATH III (1 CREDIT)***

In this course of thirty-six units, some of the topics students will be able to do: demonstrate fluency in operations with real numbers, vectors, and matrices; represent and compute with complex numbers; use fractional and negative exponents to find solutions for problem situations; describe and compare the characteristics of the families of quadratics with complex roots, polynomials of any degree, logarithms, and rational functions; compute with polynomials and solve polynomial equations using a variety of methods, including synthetic division and the rational root theorem; solve inverse, joint, and combined variation problems; solve rational and radical equations and inequalities, and describe the characteristics of the graphs of conic sections; use permutations and combinations to calculate the number of possible outcomes recognizing repetition and order; and compute the probability of compound events, independent events, and dependent events.

- ***ADVANCED MATH (1 CREDIT)***

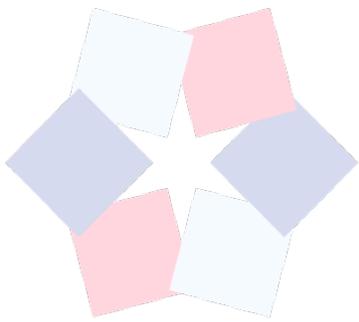
In this thirty-six unit course, some of the topics students will be able to do: determine what properties hold for operations with complex numbers; apply combinations as a method to create coefficients for the Binomial Theorem; solve problems involving derived measurements; use radian measures to solve problems involving angular velocity and acceleration; apply informal concepts of successive approximation, upper and lower bounds, and limits in measurement situations; describe and compare the characteristics of transcendental and periodic functions and represent the inverse of a transcendental function symbolically; solving systems of equations using matrices and graphs, with and without technology. They use mathematical induction and explore the concepts of limit; compare estimates of the instantaneous rate of change for a point on a graph as the slope of a tangent at a point; use descriptive statistics to analyze and summarize data, including measures of center, dispersion, correlation, and variability; and use theoretical or experimental probability to determine probabilities in real-world situations involving uncertainty.

- ***BUSINESS MATH (½ CREDIT)***

In this eighteen-unit course, students learn to use math concepts in real-world situations. They compute wages, commissions, and tips. Several types of accounts, including checking and savings, are also discussed. Students create, interpret, and analyze different types of graphs. They calculate perimeter, area, and volume in real-world settings. Students learn about sales tax, installment plans, and finance charges for credit cards. They use similar shopping techniques, such as finding the best buys, applying discounts, and ordering from catalogs. Car ownership, including gas mileage, depreciation, insurance, and financing, are also addressed. Students investigate the cost of homeownership, financing, property taxes, insurance, maintenance, and improvements. They explore the cost of travel, calculate gas mileage, determine lodging costs, and currency change.

- ***INTEGRATED MATH IV (1/2 CREDIT)***

In this course of thirty-six units, students will explore more advance topics from Integrated Math III. Students will be able to: investigate rates of change, intercepts, zeros and asymptotes of polynomial, rational, and trigonometric functions graphically and with technology; identify families of functions with graphs that have rotation symmetry or reflection symmetry about the y-axis, x-axis, or  $y = x$ . They solve problems with matrices and vectors, solve equations involving radical expressions and complex roots, solve 3 by 3 systems of linear equations, and solve systems of linear inequalities; solve quadratic expressions, investigate curve fitting, and determine solutions for quadratic inequalities.



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**SCIENCE**

- ***PHYSICAL SCIENCE (1 CREDIT)***

Throughout the thirty-six units of this course, students will learn about a variety of topics. Some broad areas offered for study include matter, energy, waves, forces, motion, and the universe. When studying the properties of matter, students will learn about atoms, how matter is classified, how to use the periodic table, chemical bonding, and reactions. When exploring energy and waves, they will study conservation, the transfer of energy, properties of waves, thermal energy, and electricity. Within forces and motion, students will investigate and graph velocity and acceleration, interpret force diagrams, and learn how forces affect motion. As students study the universe, they will learn about its history, galaxy formation, and the life cycle of stars. The course includes videos, guided notes, SAS labs, and PhET Interactive Simulations.

- ***BIOLOGY (1 CREDIT)***

This course consists of thirty-six units. It emphasizes the concepts, principles, and theories that enable people to understand the living environment. Students study life science concepts, such as the structure, function, and processes of cells, the genetic and molecular basis of inheritance, biological evolution of various species, and the diversity and interdependence of life. Students acquire the knowledge to explain the flow of energy and the cycling of matter through biological and ecological systems in this course. Embedded throughout the units are the basic scientific processes of inquiry, modeling investigations, and the nature of science. Students learn to trace the historical development of scientific theories, ideas, and ethical guidelines in science. This course also addresses the interdependence of science and technology, along with the study of emerging issues. This enables students to become scientifically, literate citizens.

- ***CHEMISTRY (1 CREDIT)***

This course, consisting of thirty-six units, begins with the evolution of the atomic theory, an examination of the periodic table, intramolecular chemical bonding and phases of matter. Students learn to write chemical formulas and to calculate formula mass. Types of reactions, gas laws, kinetics, acids, bases, fission, and fusion are also covered. PhET Interactive Simulations and Virtual ChemLab allow students to experience a laboratory setting by using virtual equipment and lab techniques.

- ***ENVIRONMENTAL SCIENCE (1 CREDIT)***

In this course consisting of thirty-six units, students draw on their previous experience and connect Earth, space, life, and physical sciences into a coherent study of the environment. Emphasis is placed on the interactions between humans and Earth, ecosystems, biological evolution, populations, and diversity. Students also explore matter and energy relationships. Human interactions with science and technology are discussed, as well as how man has modified current ecosystems and natural systems. Students have the opportunity to use basic science processes of inquiry and scientific investigation. They apply the nature of science to examine past events, to analyze current situations, and to develop scientific predictions, ideas, or theories.

- ***FORENSIC SCIENCE (½ CREDIT)***

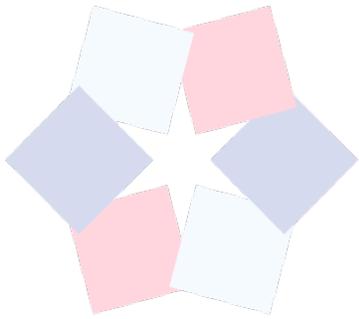
Forensic Science consists of eighteen units. The course provides opportunities to develop and to extend scientific skills and processes through problem-based learning. Students will engage in activities that will relate to other subject areas, such as biology, chemistry, physics, mathematics, sociology, archaeology, anthropology, anatomy, health, and writing. Forensic Science will connect these subject areas to real-life applications used in criminal investigations.

- ***MARINE BIOLOGY (½ CREDIT)***

This eighteen-unit course is the study of all things about the oceans, both living and nonliving. Marine Biology is a survey course designed for students who already have had a successful foundation in biology. The first part of the course focuses on oceanography and looks at physical aspects like tectonics, tides, and currents. The second half of the course deals with living components, starting with microscopic life and moving forward to advanced animals.

- ***PHYSICS (1 CREDIT)***

Physics is described as the study of matter and energy, how matter and energy relate to each other, and how they affect each other over time and through space. This course, consisting of thirty-six units, is designed to develop the student's abilities in the following areas: (1) reading, understanding and interpreting information from a wide variety of situations, (2) using appropriate problem-solving skills, (3) using mathematical reasoning in solving problems, and (4) completing lab experiments, including data acquisition, interpreting the results and acknowledging the uncertainties associated with the experimental outcome. Labs vary from prescribed or "cookbook," to limited investigations with some direction, and finally open-ended investigations with little or no direction. Students are required to compile a portfolio of lab reports.



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***SOCIAL STUDIES***

- ***AIR AMERICAN HISTORY (½ CREDIT)***

This eighteen-unit course examines the history of the United States of America from 1877 to the present. It is designed to prepare students for the AIR American History Assessment. Students study the challenges that the republic has withstood and the expansion of the rights and roles of its citizens. They learn about the events that have shaped the principles, nature, and culture of the United States. The concepts of historical thinking, introduced in earlier grades, continue to develop as students analyze and draw conclusions using primary and secondary sources from multiple perspectives.

- ***WORLD HISTORY (1 CREDIT)***

This course, consisting of thirty-six units, examines global events from 1600 to the present era and considers their ongoing impact on the world community. At the same time, it addresses economic, political, social, and cultural developments which shape our thoughts and values. The contributions of political figures, artists, writers, explorers, and scientists are also emphasized. Students develop theses and use evidence to support or to refute positions taken by other writers. Videos, articles, and primary sources are used to enhance learning throughout the course.

- ***AIR AMERICAN GOVERNMENT (½ CREDIT)***

This eighteen-unit course explores the establishment and the ongoing development of American government. It is designed to prepare Ohio students for the AIR American Government Assessment. Students study how the American people govern themselves at national, state, and local levels. They examine the principles of the Constitution and the involvement of citizens in the structure and function of governing. The course emphasizes the importance of compromise, consensus, and negotiation within the democratic process. The government's role in the economy and change through the amendment process are other essential aspects of the course.

- ***ECONOMICS (½ CREDIT)***

Throughout the eighteen units of this course, students study the terminology and the fundamentals associated with financial decision-making. How do supply, demand, and competition impact the prices for the goods and services that people desire? How do societies meet the wants and needs of their populations? What steps do governments take to protect their economies? Are taxes vital? Is investing in the stock market a good idea? In this course, students gain the knowledge and skill to answer these questions by learning to think like an economist.

- ***FINANCIAL LITERACY (½ CREDIT)***

In this eighteen-unit course, students learn the basics of personal finance. This includes financial planning, budgeting, banking, using credit wisely, protecting money, making money, consumerism, investing, and philanthropy.

- ***PSYCHOLOGY (½ CREDIT)***

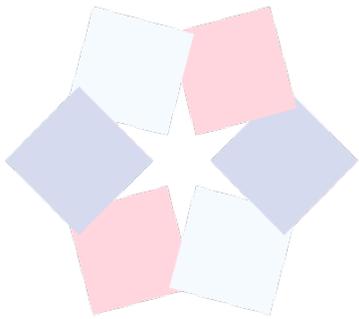
This eighteen-unit course examines human development and behavior through the social science of psychology. It includes explanations of key vocabulary words and the significant contributions of psychologists and psychiatrists. Students learn about the stages of cognitive development, the transition to adulthood, and healthy relationships. They study how specific factors, such as birth order, peer pressure, and addiction, impact people's lives and personalities. The course also covers stress factors, depression, and gender identity. Videos, projects, and case studies are offered throughout the course to enhance student learning.

- ***SOCIOLOGY (½ CREDIT)***

This eighteen-unit introduction to the social science of sociology allows students to explore social relationships in a variety of settings. Students begin by understanding what sociology is and by learning how sociology applies to real life. Students examine topics to which they can relate, such as cultural diversity, adolescent development, and society's rules. Throughout this course, students gain insights into themselves, into other people in their lives, and into their world as a whole.

- ***STUDENT LEADERSHIP (½ CREDIT)***

The eighteen-unit course is designed to prepare students for leadership roles and responsibilities. Students also learn to apply leadership principles and skills to their everyday lives. They study theories and styles of leadership along with goal setting, time management, and decision making.



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## ***TECHNOLOGY***

- ***COMPUTER APPLICATIONS (½ CREDIT)***

In this eighteen-unit course, students explore the evolution of the computer and uncover the contributions of many early inventors whose creativity contributed to its development. Key terms, such as input, output, and data storage, are defined and explained. Students are introduced to various types of software, including Microsoft Word, Microsoft Excel, and Microsoft PowerPoint. The course also stresses the importance of computer security, privacy, and ethics.

- ***DIGITAL SKILLS (½ CREDIT)***

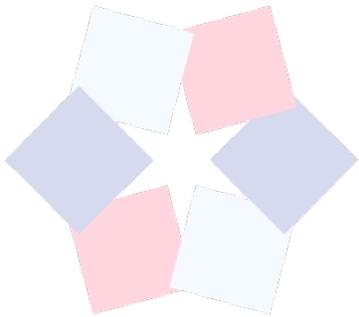
This course, consisting of eighteen units, focuses on the skills and knowledge that students need to be successful, digital citizens in a global economy. The topics covered in this course provide an understanding of technology and the ability to use technology productively in their daily lives. Students learn to analyze a problem and to apply the appropriate technological approach for solving that problem.

- ***DIGITAL CITIZENSHIP (½ CREDIT)***

This course, consisting of eighteen units, explores ways to become a good digital citizen in today's world. Students are introduced to four, specific digital citizenship elements: Digital Literacy, Digital Access, Digital Rights and Responsibilities, and Digital Safety. Throughout this course, students have opportunities to watch videos, to listen to sound clips, and to complete activities. The course is aligned with national standards for technology and curriculum.

- ***INTRODUCTION TO THE INTERNET (½ CREDIT)***

In this eighteen-unit course, students learn how to use the Internet for educational purposes and personal enjoyment. Key terms, such as URL, HTML, and browser, are defined and explained. Students learn the most efficient ways to search for information and techniques to evaluate the material that they find. The course includes a research project to practice these skills. Students also learn how to avoid viruses and how to stay safe online.



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## ***TEST PREPARATION***

- ***ACT PREPARATION 13<sup>TH</sup> EDITION (1 CREDIT)***

This course consists of thirty-six units and is designed to prepare students to take the ACT test. The textbooks, *Essential Skills Required for College and Career Readiness Student Text, 13th Edition* and *Victory for the ACT Test, 13th Edition* from Cambridge Educational Services, accompany this course. The instructions within each unit direct students to the sections of the textbooks that they need for reference and review

- ***ACT WORKKEYS (½ CREDIT)***

In this eighteen-unit course, students review the various sections and types of questions that make up the ACT WorkKeys assessments. They learn important test-taking tips and strategies for developing effective study skills. The individual units include practice questions and information to help the students interpret graphics and other elements of testing.

- ***AIR ENGLISH I (1 CREDIT)***

This thirty-six unit course is designed to prepare Ohio students for the AIR English Language Arts I Assessment. The Argumentative and Informative/Essay writing course is divided into two, nine-unit sessions. The first nine units focus on creating argumentative essays. This section is broken down into an overview of arguments, transition words, introduction paragraph, body paragraphs, claims, counterclaims, and the closing paragraph. The second group of nine units hones in on how to create an informative/expository essay. Units focus on introductory paragraphs, body paragraphs, closing paragraphs, as well as an overview of the informative essay. Students are asked to use the in-text citation for both essays. This is reviewed in both sections. Starting in Unit 19, there is an introduction to literary analysis, which is the practice of looking closely at small parts to see how much they affect the whole. A literary analysis essay always discusses the significance of the reader's observations to the main idea about life (the theme). Finally, beginning in Unit 28, informational text is taught. Students read several different passages and answer questions based on these passages. Informational text is a type of nonfiction writing that is written to inform the reader about a specific topic. Students learn about the central idea being the most important point that the author wants to convey about a topic.

- ***AIR ENGLISH II (1 CREDIT)***

This thirty-six unit course is designed to prepare Ohio students for the AIR English Language Arts II Assessment. Students apply the writing process to develop argumentative/persuasive/opinion, informative/expository/explanatory, and literary analysis essays. Additionally, students read, analyze, and respond to various literary genres, including argumentative texts, historical documents, poetry, short stories, dramas, and other genres that appear on the AIR Assessment. Each unit coach's students to read a particular genre and to answer the questions that appear on the AIR Assessment. Finally, at the end of every unit, students review grammar and language conventions, including parts of sentence parts, sentence types, parallel structure, capitalization, and punctuation.

- ***AIR ALGEBRA I (1 CREDIT)***

This thirty-six unit is designed to prepare Ohio students for the AIR Algebra Assessment. Some of the topics that the students will be able to do: connect physical, verbal, and symbolic representations of the real number system; investigate properties, including closure; demonstrate fluency in computations with real numbers; solve and graph linear equations and inequalities; define functions, determine slope, calculate distance, and draw graphs of linear equations using slope, y-intercept, parallel, and perpendicular lines; determine the characteristics of linear, quadratic, and exponential functions; solve systems of linear equations involving two variables graphically and symbolically; simplify and compute with rational and radical expressions; model and solve problem situations involving direct and indirect variation; define fundamental trigonometric ratios in right triangles and apply proportions to solve problems involving right triangle trigonometry.

- ***AIR ALGEBRA (SUPPLEMENT)***

This supplement consists of three units and is based on Ohio's Learning Standards. It offers a review of mathematical vocabulary, problems to solve, and performance tasks for additional practice in algebra.

- ***AIR GEOMETRY (SUPPLEMENT)***

This supplement consists of three units and is based on Ohio's Learning Standards. It offers a review of terms associated with geometry, problems to solve, and performance tasks for additional practice.

- ***AIR AMERICAN HISTORY (½ CREDIT)***

This eighteen-unit course examines the history of the United States of America from 1877 to the present. It is designed to prepare Ohio students for the AIR American History Assessment. Students study the challenges that the republic has withstood and the expansion of the rights and roles of its citizens. Students explore the events that have shaped the principles, nature, and culture of the United States. The concepts of historical thinking, introduced in earlier grades, continue to develop as students analyze and draw conclusions using primary and secondary sources from multiple perspectives.

- ***AIR AMERICAN GOVERNMENT (½ CREDIT)***

This eighteen-unit course explores the establishment and the ongoing development of American government. It is designed to prepare Ohio students for the AIR American Government Assessment. Students study how the American people govern themselves at national, state, and local levels. They examine the principles of the Constitution and the involvement of citizens in the structure and function of governing. The course emphasizes the importance of compromise, consensus, and negotiation within the democratic process. The government's role in the economy and change through the amendment process are other important aspects of the course.

- ***AIR BIOLOGY (SUPPLEMENT)***

This supplement consists of six units and is based on Ohio's Learning Standards. It reviews the basic concepts of biology, explains the various cell-related process, and emphasizes the interdependence of living organisms.

- ***AIR TEST STRATEGIES (SUPPLEMENT)***

This supplement consists of four units that concentrate on student learning styles, management of study time, study routines, note-taking strategies, and test-taking tips. Each unit consists of Prezi or Power Point lectures. Students will encounter different types of activities and video presentations as they follow along with the lecture. A concept check is administered to assess the student's knowledge at the end of each unit.

- ***OGT MATH (1 CREDIT)***

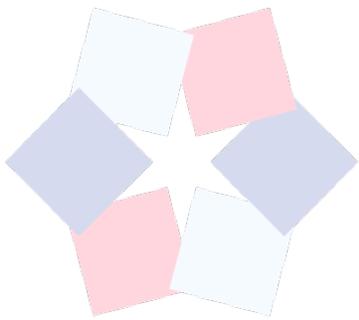
This course consists of thirty-six units and is designed to assist students in preparing for the Ohio Graduation Test in mathematics. Students investigate properties and the order of operations. They evaluate expressions, identify subsets of the real number system, and determine equivalent forms of real numbers; estimate, compute, and solve problems with real numbers including ratio, proportion, percent, integers, rational numbers, scientific notation, and square roots; generalize patterns and sequences and apply formulas to real-world problem situations. Students determine length, area, and volume and the appropriate use of linear, square and cubic unit measurements; generalize patterns and sequences using tables, graphs, and symbolic algebra; define functions; determine slope and intercepts; draw graphs of linear equations and inequalities, and explore simple quadratic and exponential functions. Students solve linear equations, inequalities, systems of equations, quadratic equations, and direct and inverse variation problem situations. They use measures of center and spread to analyze data; use permutations and combinations to calculate the number of possible outcomes recognizing repetition and order; and compute the probability of compound events, independent events, and simple dependent events.

- ***OGT SCIENCE (½ CREDIT)***

This Ohio Graduation Test prep course provides a concise review of high-school level science to help prepare students for the OGT. The eighteen-unit course begins with a diagnostic test, followed by study skills for the OGT. Students then focus on major concepts, understandings, and skills in the areas of physical science, earth and space science, genetics, heredity, and life science. The course concludes with two practice tests. A checklist is included to help determine which topics have already been mastered and which questions the student needs to review. The units and tests follow the style and format of the OGT sample test items and OGT Practice Test in science.

- ***OGT SOCIAL STUDIES (½ CREDIT)***

This eighteen-unit course prepares students for the Ohio Graduation Test. The course covers the following topics: history, people in societies, geography, economics, government, citizenship, and social studies skills. The OGT is comprised of multiple-choice, short answer, and extended response questions. Students have the opportunity to answer questions for practice in each of these categories.



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## ***WORLD LANGUAGE***

- ***AMERICAN SIGN LANGUAGE I (1 CREDIT)***

In this course consisting of thirty-six units, students are introduced to the skills needed to communicate effectively in the target language. Students gain knowledge and understanding of vocabulary, grammar structure, and other ASL language features. They also acquire the basic skills necessary to carry on simple conversations in the target language.

- ***AMERICAN SIGN LANGUAGE II (1 CREDIT)***

In this course consisting of thirty-six units, students continue to develop necessary conversational skills, to improve their receptive and expressive abilities and to expand their vocabulary in the target language. They add new concepts to their basic knowledge of the fundamentals of the language and strengthen their cultural awareness.

- ***SPANISH I (1 CREDIT)***

In this course consisting of thirty-six units, students develop knowledge and skills to begin communicating in the target language. They speak, listen to, read, and write the language in short sentences and paragraphs that contain the learned vocabulary words and phrases. Students also gain insight into the target culture by examining literature, music, laws, foods, values, traditions, and behaviors.

- ***SPANISH II (1 CREDIT)***

In this course consisting of thirty-six units, students participate in simple, conversational situations using sentences and groups of sentences. They create the target language by combining and recombining learned phrases and words. Students write simple messages, read texts dealing with familiar topics, and understand the main ideas when listening to conversations dealing with familiar issues or themes. Students also gain awareness, understanding of, and appreciation for cultural contributions made by people of the target language.

- ***SPANISH III (1 CREDIT)***

This course, consisting of thirty-six units, is offered to students interested in pursuing greater fluency in reading, writing, speaking, and understanding the target language. The students are required to recall previously learned words and phrases and to build upon them as they learn to create more native-like writing and conversation. This course also continues a more intense study of grammar and appreciation for cultural contributions made by people of the target language.

- ***SPANISH IV (1 CREDIT)***

This course, consisting of thirty-six units, is offered to those students interested in becoming proficient in reading, writing, speaking, and understanding the target language. The students are required to review all grammatical structure and to recall previously learned vocabulary. They strive for a native-like, proficiency level, and continue a more intense study of cultural aspects, including art and literature. Students demonstrate their understanding of and appreciation for these cultural works by discussing them in the target language.