

# Course of Study 2023-24



**FINDLAY**  
**DIGITAL ACADEMY**  
**Where Learning Fits You™**

Findlay Digital Academy  
1219 W. Main Cross, Suite 101  
Findlay, OH 45840  
419-425-3598  
FAX 419-425-3588



**FINDLAY  
DIGITAL ACADEMY**  
**Where Learning Fits You™**

## Modified Courses

|   |  |
|---|--|
| <p><b>English Language Arts</b></p> <p>ELA 09</p> <p>ELA 10</p> <p>ELA 11</p> <p>ELA 12</p>   | <p><b>Math</b></p> <p>Algebra I</p> <p>Geometry</p> <p>Algebra II</p> <p>Consumer Math</p>                 |
| <p><b>Social Studies</b></p> <p>American History</p> <p>American Government</p> <p>World History</p> <p>Economics</p> <p>Financial Literacy</p> | <p><b>Science</b></p> <p>Physical Science</p> <p>Biology</p> <p>Chemistry</p> <p>Environmental Science</p> |

## Remedial Courses

Remedial courses are based on any student with an IEP that needs to retake a course because of a below-proficient score on the state assessment. Each course is 18 units.

|                                |                               |
|--------------------------------|-------------------------------|
| <p><b>Remedial Algebra</b></p> | <p><b>Remedial ELA II</b></p> |
|--------------------------------|-------------------------------|

## ***BUSINESS***

### **BUSINESS MATH I (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 comparative 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 home ownership, financing, property taxes, insurance, maintenance, and improvements. They explore the cost of travel, calculate gas mileage, determine lodging costs, and currency change.

**MATH Business Math I      EMIS code: 030500**

### **●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.

**CTCR Marketing Basics      EMIS Code: 150600**

### **●PERSONAL FINANCE (½ CREDIT)**

Personal finance empowers high school students to take control of their financial futures and set their paths for financial success. Students can acquire the tools and skills they need to make smart financial decisions and achieve their goals.

**SS Personal Finance EMIS Code: 150600**

**SSCR Personal Finance EMIS Code: 031500**



**FINDLAY**  
**DIGITAL ACADEMY**  
**Where Learning Fits You™**

## ***CAREER TRAINING***

### **AGRICULTURE (¼ CREDIT)**

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

**CT Agriculture                      EMIS code: 300010**

### **●BUSINESS ADMINISTRATION (¼ CREDIT)**

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

**CT Business Administration EMIS code: 030500**

### **●CAREER PLANNING (½ CREDIT)**

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

**CT Career Planning              EMIS code: 300010**

### **●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 Literacy, Math, College, and Career Readiness, and Journal Reflection.

**CT Career Exploration        EMIS code: 300010**

## ●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.

**CT Career Readiness                      EMIS code: 300010**

## ●MEDICAL TERMINOLOGY (½ CREDIT)

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

**SCICR Medical Terminology            EMIS code: 300010**

## ●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.

**CT Ohio Means Jobs                      EMIS code: 300010**

## ●INTRO TO OIL & GAS (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.

**CTCR Introduction to Oil & Gas EMIS code: 300010**

# FINDLAY DIGITAL ACADEMY

## ●OILFIELD BASICS (1 CREDIT)

This thirty-six-unit course introduces students to all the major 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.

**CT Oilfield Basics                      EMIS code: 300010**

## ●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 searched for information regarding these careers on the Ohio Means Jobs website.

**CTCR Public Safety                      EMIS code:300010**

## ●STUDENT LEADERSHIP (½ CREDIT)

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

**CT Student Leadership                      EMIS code: 300010**





**FINDLAY  
DIGITAL ACADEMY**

**Where Learning Fits You™**

***ENGLISH LANGUAGE ARTS***

**●ENGLISH 9TH GRADE (1CREDIT)**

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 paragraphs, body paragraphs, claims, counterclaims, and the closing paragraph. The second group of nine units hone in on how to create an informative/expository essay. Units focus on introductory paragraphs, body paragraphs, and closing paragraphs as an informative essay overview. 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 looks 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 written to inform the reader about a specific topic. Students learn about the central idea being the author’s most important point to convey about a topic.

**ELA English 9**

**EMIS Code: 050160**

**ELACR English 9**

**Modified ELA 9**

**●ENGLISH 10th Grade (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 coaches’ 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.

**ELA English 10**

**EMIS Code: 050170**

**ELACR English 10**

**Modified ELA 10**

## ●ENGLISH 11TH GRADE (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 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.

**ELA English 11**

**EMIS Code: 050180**

**ELACR English 11**

**Modified ELA 11**

## ●ENGLISH 12th GRADE (1 CREDIT)

In this course of thirty-six units, students read and respond to English literature from the Anglo-Saxon Period through the Twentieth Century. The first half of the course focuses 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 the second half of the course, students read, analyze, and respond to various genres in British literature, including poetry, essays, and the Elizabethan drama *Romeo and Juliet* by William Shakespeare.

**ELA English 12**

**EMIS Code: 050190**

**ELACR English 12**

**Modified ELA 12**

## PRACTICAL ENGLISH 12th GRADE (1 CREDIT)

Practical English is a comprehensive course designed to equip learners with the essential skills for effective communication in various real-world contexts. This course covers various topics and skills necessary for success in today's professional and academic environments. From preparing for the future and writing impressive resumes to time and stress management, the course provides practical guidance on navigating the challenges of the modern world. Students will also explore written and verbal communication etiquette, learn to write proposals and influence others, and develop integrity and leadership qualities. The course concludes with units on researching, using information ethically, and employing technology to present information effectively. With its balanced blend of theoretical knowledge and practical application, Practical English equips students with the skills they need to succeed personally and professionally.

**ELA Practical English**

**EMIS Code: 050190**

## ●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.

**ELACR Short Stories**

**EMIS Code: 059999**

## ●GREEK MYTHOLOGY (½ CREDIT)

In this eighteen-unit course, students learn about Greek mythology through reading, writing, and research. Material covered includes excerpts from Homer's Iliad and Odyssey. The units and assignments in this course correspond with Ohio's Learning Standards for English Language Arts.

**ELA Greek Mythology**

**EMIS Code: 059999**

## ●POETRY (½ CREDIT)

Poetry is an eighteen-unit course. Students read selected poems that are meant to encourage and motivate further reading. Poems are read and analyzed through written assignments. Because recitation is a major part of understanding the emotions involved in poetry, students are required to submit recordings to their teacher frequently.

**ELA Poetry**

**EMIS Code: 059999**

## ●ROMAN MYTHOLOGY (½ CREDIT)

In this eighteen-unit course, students learn about Roman mythology through reading, writing, and research. Material covered includes excerpts from the Aeneid. The units and assignments in this course correspond with Ohio's Learning Standards for English/Language Arts.

**ELA Roman Mythology**

**EMIS Code: 059999**



**FINDLAY  
DIGITAL ACADEMY**

**Where Learning Fits You™**

## *AES Digital Curriculum*

**AES Courses are aligned with Career Readiness, Business Operations, & 21<sup>st</sup> Century Skills**

● **ACCOUNTING (9 Units = ¼ CREDIT)**

Learn about business accounting basics, including transactions, accounts, debits and credits, the accounting equation, the double-entry method, the accounting cycle, and financial analysis. This is a project-based course.

**AES Accounting**

**EMIS Code: 030100**

● **BUSINESS COMMUNICATION (9 Units = ¼ CREDIT)**

This course provides the principles of communication, such as the sender-receiver model. Students will learn verbal, nonverbal, and collaborative skills for success in the workplace and society. This is a project-based course.

**AES Business Communication EMIS Code: 030600**

● **BANKING & FINANCE (9 Units = ¼ CREDIT)**

This course introduces students to the foundations of banking and finance. Students will investigate financial terms and concepts related to the banking, finance, and insurance industries. This is a project-based course.

**AES Banking & Finance**

**EMIS Code: 030100**

● **BUSINESS LAW (9 Units = ¼ CREDIT)**

This course provides an understanding of illegal and unethical behaviors and the consequences of those actions in business scenarios. Students discover where laws come from, how they impact businesses, and the types of legal business entities. This is a project-based course.

**AES Business Law**

**EMIS Code: 030900**

# FINDLAY DIGITAL ACADEMY

## ●CAREER DEVELOPMENT (9 Units = ¼ CREDIT)

This course provides an overview of the career planning process and the resources available to help students as they develop a career plan. This is a project-based course.

**AES Career Development**                      **EMIS Code: 0300010**

## ●CODING FUNDAMENTALS (9 Units = ¼ CREDIT)

This course will help students understand computer science and coding concepts. Students will learn vocabulary and concepts within the lessons. Many lessons include mini-projects where students complete coding tasks using a drag/drop block coding language. This is a project-based course.

**AES Coding Fundamentals**                      **EMIS Code: 290200**

## ●CUSTOMER SERVICE (9 Units = ¼ CREDIT)

This course helps students understand the importance of an employee's role in customer service and the importance of customer service in business. This is a project-based project.

**AES Customer Service**                      **EMIS Code: 30010**

## ●ENTREPRENEURSHIP (9 Units = ¼ CREDIT)

An introduction to entrepreneurship and the characteristics of an entrepreneur as they understand how to identify business opportunities by understanding markets and customers and the operational aspects of running a small business. This is a project-based course.

**AES Entrepreneurship**                      **EMIS Code:141030**

## ●CRITICAL THINKING (9 Units = ¼ CREDIT)

Students journey with Elliot in this course as he struggles with deciding his future after high school. Elliot encounters an unexpected companion who teaches him about critical thinking and how it can help someone make good decisions.

**AES Critical Thinking**                      **EMIS Code: 300010**

# FINDLAY DIGITAL ACADEMY

## ●GOOGLE DOCS (9 Units = ¼ CREDIT)

This course provides an overview of the basics of Google Docs, including opening and saving files, entering and formatting text, and using editing and review tools. This is a project-based course.

**AES Google Docs**

**EMIS Code: 036000**

## ●GOOGLE FORMS (9 Units = ¼ CREDIT)

Google Forms, including creating and using forms and analyzing form responses.

**AES Google Forms**

**EMIS Code: 036000**

## ●GOOGLE SHEETS (9 Units = ¼ CREDIT)

This course provides an overview of the essentials of Google Sheets, including rows and columns, selecting cells, entering formulas and functions, and formatting data and text. This is a project-based course.

**AES Google Sheets**

**EMIS Code: 036000**

## ●GOOGLE SLIDES (9 Units = ¼ CREDIT)

This course provides an overview of Google Slides, including themes, templates, and adding text and images to a presentation. This is a project-based course.

**AES Google Slides**

**EMIS Code: 036000**

## ●JOB SEEKING SKILLS (9 Units = ¼ CREDIT)

This course provides an overview of the tasks involved in finding, getting and resigning from a job. This is a project-based course.

**AES Job Seeking Skills**

**EMIS Code: 030100**



# FINDLAY DIGITAL ACADEMY

## ●KEYBOARDING (9 Units = ¼ CREDIT)

This course provides an overview of proper posture while sitting at a computer, touch typing, and the keys of a computer keyboard.

**AES Keyboarding**

**EMIS Code: 299999**

## ●MANAGEMENT (9 Units = ¼ CREDIT)

This course provides an overview of the fundamental functions of management (Planning, Organizing, Evaluating/Controlling, Leading/Directing), the types of organizational structures of businesses, the characteristics of a good manager, and how to manage in certain situations. This is a project-based course.

**AES Management**

**EMIS Code: 032300**

## ●MARKETING (18 Units = ½ CREDIT)

This course provides an overview of marketing principles, product planning, pricing, and promotion strategies. Students explore customer relations, market segmentation, product life cycle, product mix, branding, packaging, pricing, promotion & distribution. Students will design and implement a product package using Microsoft Word as a final project. This is a project-based course.

**AES Marketing**

**EMIS Code: 032300**

## ●PROFESSIONALISM (9 Units = ¼ CREDIT)

This course provides an overview of professionalism, including appearances, personal characteristics, and traits of successful employees. Students practice evaluating employees' effectiveness and dealing with workplace situations, including harassment, discrimination, and bullying. This is a project-based course.

**AES Professionalism**

**EMIS Code: 032800**

## PUBLIC SPEAKING (9 Units = ¼ CREDIT)

This course will support students in techniques for selecting a speech topic, preparing a speech, and practicing and delivering a speech. This is a project-based course.

**AES Public Speaking**

**EMIS Code: 050545**

## ●SOCIAL COMMUNICATION (9 Units = ¼ CREDIT)

Living Online will introduce students to The Dream Squad. This cast of characters will guide learners through making good decisions about online behaviors and learning more about smartphones. This is a project-based course.

**AES Social Communication      EMIS Code: 050545**

## ●WRITTEN COMMUNICATION (9 Units = ¼ CREDIT)

This course provides an overview of how to write effective business communications, specifically emails, and letters.

**AES Written Communication      EMIS Code: 050545**

## ●WEB RESEARCH (12 Units = ½ CREDIT)

This course provides an overview of how the Internet and the World Wide Web work. They learn about different methods for searching for and evaluating information and using it ethically. This is a project-based course.

**AES Web Research      EMIS Code: 290130**



**FINDLAY**  
**DIGITAL ACADEMY**  
**Where Learning Fits You™**

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

### ●CHILD DEVELOPMENT (½ CREDIT)

Parenting involves many years of a person's life, but people are often unprepared for the challenge. This eighteen-unit course encourages students to think about skills involved in parenting, explore if or when they would like to become a parent and changes which occur during pregnancy. It also explores the growth that a child experiences through physical, emotional, moral, social, and intellectual development. Many careers available today touch on some facet of child development. This course briefly discusses some of these professions and the training required to work in these fields.

**FCS Child Development**

**EMIS Code: 230200**

### ●FAMILY LIVING (½ CREDIT)

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

**FCS Family Living**

**EMIS Code: 230500**

**FCSCR Family Living**



**FINDLAY  
DIGITAL ACADEMY**

**Where Learning Fits You™**

## ***FINE ARTS***

### ●**ART HISTORY (½ CREDIT)**

In this eighteen-unit course, students learn to analyze and appreciate art and 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 can gain an accurate history view.

**FA Art History**

**EMIS Code: 020101**

**FACR Art 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.

**FA History of Jazz**

**EMIS Code:129999**

**FACR History of Jazz**

## ●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.

**FA History of Rock & Roll**

**EMIS Code: 129999**

**FACR History of Rock & Roll**

## ●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 gives 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.

**FA Music Appreciation**

**EMIS Code: 120800**

## ●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 chronologically but in terms of the elements and how the artists implemented the elements. The techniques employed by the Renaissance artists still influence artists today.

**FA Renaissance Art**

**EMIS Code: 029999**



**FINDLAY  
DIGITAL ACADEMY**

**Where Learning Fits You™**



## ***HEALTH***

### ●HEALTH (½ CREDIT)

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

**HE Health**

**EMIS Code: 260101**

**HECR Health**

### ●PHYSICAL EDUCATION I (½ CREDIT)

In this eighteen-unit course, students learn about being active and improving physical fitness. Each student chooses their 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.

**HEPE Physical Education**

**EMIS Code: 080300**

**HEPES Physical Education**

### ●PHYSICAL EDUCATION II EXTREME SPORTS (½ CREDIT)

In this eighteen-unit course, students study a sampling of extreme sports from all over the world. All included are mountain climbing, backpacking, snowboarding, cheese rolling, and barrel riding over Niagara Falls. There are also tips for purchasing proper workout gear, for eating properly, and for improving individual fitness levels. The course does require participation in a physical activity chosen by the students for fifty minutes, three days per week.

**HEPE Physical Education II**

**EMIS Code: 080900**



**FINDLAY**  
**DIGITAL ACADEMY**  
**Where Learning Fits You™**

***MATHEMATICS*****●ALGEBRA I (1 CREDIT)**

In this course consisting of thirty-six units, students 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. Students use formulas to solve problems including exponential growth and decay; add, subtract, multiply, and divide monomials and polynomials; and solve quadratic equations with real roots by graphing, formula, and factoring. Students 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 function 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. They describe and interpret rates of change from graphical and numerical data; find, use, and interpret measures of center and spread to compare and draw conclusions about data; evaluate the appropriateness of data collection and analysis, and identify possible misuses of statistical data. They use counting techniques and the Fundamental Counting Principle to determine possible outcomes, compute probabilities of compound events, independent events, and simple dependent events, and make predictions based on theoretical probabilities and experimental results. Students define basic trigonometric ratios in right triangles and apply proportions to solve right triangle trigonometry problems.

**EMIS Code: 110301**

**MATH Algebra I**

**MATHCP Algebra I**

**MATHCR Algebra I**

**Modified Algebra I**

## ●GEOMETRY (1 CREDIT)

In this course of thirty-six units, students formally define geometric figures, describe and apply the properties of similar and congruent figures, and justify conjectures involving similarity and congruence. They 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. Students represent and model transformations in a coordinate plane and describe results; prove or disprove conjectures and establish the validity of conjectures about geometric objects, their properties, and relationships by counterexample, inductive and deductive reasoning, and critique arguments made by others. Students use right triangle trigonometric relationships to determine lengths and angle measures; use algebraic representations to model and solve problem situations and to describe and generalize geometric properties and relationships; connect physical, verbal, and symbolic representations of irrational numbers; 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.

**MATH Geometry**

**EMIS Code: 111200**

**MATHCP Geometry**

**MATHCR Geometry**

**Modified Geometry**

## ●ALGEBRA II (1 CREDIT)

In this course of thirty-six units, students begin by reviewing basic algebra and geometry topics. They 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. They solve problems with matrices and vectors, solve equations involving radical expressions and complex roots, solve 3 by 3 systems of linear equations, 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; solve inverse, joint, and combined variation problems; solve rational and radical equations and inequalities; and describe the characteristics of the graphs of conic sections. They analyze the behavior of arithmetic and geometric sequences and series. Students 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. They use descriptive statistics to analyze and interpret data, including means central tendency and variation measures

**MATH CP Algebra II**

**EMIS Code: 110302**

**MATH Algebra II**

**MATHCR Algebra II**

**Modified Algebra II**

## ●BUSINESS MATH I & II (1 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 comparative 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 home ownership, financing, property taxes, insurance, maintenance, and improvements. They explore the cost of travel, calculate gas mileage, determine lodging costs, and currency change.

**MATH Business Math**

**EMIS Code: 110099**

**Modified Consumer Math**

## ●MODELING AND QUANTITATIVE REASONING (1 CREDIT)

The Mathematical Modeling and Reasoning course is an advanced quantitative reasoning course. Quantitative Reasoning (QR) is the application of basic mathematics skills, such as algebra, to the analysis and interpretation of quantitative information (numbers and units) in real-world contexts to make decisions relevant to daily life. Critical thinking is its primary objective and outcome. It emphasizes interpretation, representation, calculation, analysis/synthesis, assumptions, and communication.

The Mathematical Modeling and Reasoning (MMR) course promotes reasoning, problem-solving, and modeling through thematic units focused on mathematical practices while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry.

This course has been modified from a fourth-year transition course to an Algebra 2 equivalent course and satisfies the credit requirement for Algebra 2. Students who succeed in this course may take an Algebra 2, College Credit Plus, or AP math course in their fourth year.

**MATH Modeling and Quantitative Reasoning**

**EMIS Code: 110030**

## ●APPLICATIONS OF MATH (½ CREDIT)

The Mathematics of Applications course will cover math concepts spanning your entire mathematical student career. The aspects of technology are embedded in mathematics, which includes the use of calculators, computers, and software applications.

**MATH Applications of Math**

**EMIS Code: 119999**

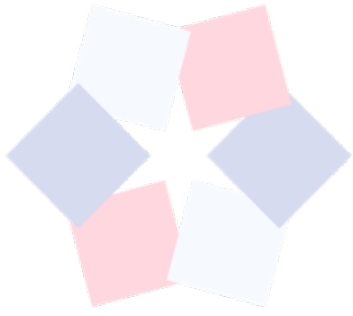
**MATHCR Applications of Math**

## ●INTERVENTION MATH (1 CREDIT)

This course consists of thirty-six units and is designed to review the basic concepts necessary for success in applying mathematics in real-life situations. The subject matter studied is familiar and motivational, integrating problem-solving and focusing on real applications of mathematical skills. This course is designed primarily for the student who seeks to improve his or her knowledge of basic mathematics. Topics studied include computations and applications of whole numbers, decimals, fractions, ratios, and percent; measurement in metric and customary units; geometric figures, finding volume and surface area; statistics, graphs, and probability; and integers, the coordinate plane, and algebraic equations.

**MATH Intervention Math**

**EMIS Code: 111950**



**FINDLAY  
DIGITAL ACADEMY**  
**Where Learning Fits You™**



## **SCIENCE**

### ●PHYSICAL SCIENCE (1 CREDIT)

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

**SCI Physical Science**

**EMIS Code: 132220**

**SCICR Physical Science**

**Modified Physical Science**

### ●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.

**SCI Biology**

**EMIS Code: 132330**

**SCICP Biology**

**SCICR Biology**

**Modified Biology**

## ●CHEMISTRY W/ LAB (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.

**SCI Chemistry**

**EMIS Code: 130301**

**SCICR Chemistry**

**Modified Chemistry**

## ●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.

**SCI Medical Terminology**

**EMIS Code: 131050**

**SCICR Medical Terminology**

## ●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.

**SCI Environmental Science**

**EMIS Code: 132350**

**SCICR Environmental Science**

## ●FORENSIC SCIENCE I and II (1 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 engage in activities related to other subject areas, such as biology, chemistry, physics, mathematics, sociology, archaeology, anthropology, anatomy, health, and writing. Forensic Science connects these subject areas to real-life applications used in criminal investigations.

**SCICR Forensic Science**

**EMIS Code: 139997**

## ●MARINE BIOLOGY (½ CREDIT)

This eighteen-unit course studies all things about the oceans, both living and nonliving. Marine Biology is a survey course designed for students with a successful biology foundation. 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.

**SCI Marine Biology**

**EMIS Code: 139998**

## ●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.

**SCI Physics**

**EMIS Code: 130302**



**FINDLAY  
DIGITAL ACADEMY**

**Where Learning Fits You™**

## ***SOCIAL STUDIES***

### ●AMERICAN GOVERNMENT (1 CREDIT)

This eighteen-unit course explores the American government's establishment and ongoing development. 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.

**SS American Government**                      **EMIS Code: 150300**

**SSCR American Government**

**Modified American Government**

### ●AMERICAN HISTORY (1 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 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.

**SS American History**                              **EMIS Code: 150810**

**SSCR American History**

**Modified American History**

### ●WORLD HISTORY (1 CREDIT)

This course, consisting of thirty-six units, examines global events from 1600 to the present 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 refute positions taken by other writers. Videos, articles, and primary sources are used to enhance learning throughout the course.

**SS World History**                                      **EMIS Code: 150890**

**SSCR World History**

**Modified World History**

## ●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.

**SS Financial Literacy**

**EMIS Code: 153001**

**SSCR Financial Literacy**

**Modified Financial Literacy**

## ●PERSONAL FINANCE (½ CREDIT)

Personal finance empowers high school students to take control of their financial futures and set their paths for financial success. Students can acquire the tools and skills they need to make smart financial decisions and achieve their goals.

**SS Personal Finance**

**EMIS Code: 150600**

**SSCR Personal Finance**

**EMIS Code: 031500**

## ●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 really necessary? 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.

**SS Economics**

**EMIS Code: 150600**

**SSCR Economics**

**Modified Economics**

## ●GEOGRAPHY (½ CREDIT)

In this eighteen-unit course, students can study the interaction between people and cultures and natural and physical environments around the globe. The course is designed to familiarize students with the world and how they and their community can play a role in global interaction. Students develop an understanding of various regions and focus on several geographic topics in each region. They become aware of the impact of physical geography on the lives of humans and the positive and negative changes that result from human interaction with the environment.

**SS Geography**

**EMIS Code: 150700**

**SSCR Geography**

## ●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.

**SS Psychology**

**EMIS Code: 151121**

**SSCR Psychology**

## ●SOCIOLOGY (½ CREDIT)

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

**SS Sociology**

**EMIS Code: 151300**

**SSCR Sociology**



**FINDLAY**  
**DIGITAL ACADEMY**

**Where Learning Fits You™**



## ***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. Students are introduced to various types of software, including Microsoft Word, Microsoft Excel, and Microsoft PowerPoint.

**TECH Computer Applications**

**EMIS Code: 036000**

### ●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 like 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.

**TECH Intro to the Internet**

**EMIS Code: 290130**

**TECHCR Intro to the Internet**

### ●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.

**TECH Digital Skills**

**EMIS Code: 290075**

**TECHCR Digital Skills**

### ●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 digital citizenship elements: Digital Literacy, Digital Access, Digital Rights and Responsibilities, and Digital Safety. The course is aligned with national standards for technology and curriculum.

**TECH Digital Citizenship**

**EMIS Code: 299999**

**TECHCR Digital Citizenship**



FINDLAY  
DIGITAL ACADEMY

Where Learning Fits You™

## ***ACADEMIC SKILLS & TEST PREPARATION***

### ●**NextUp Transition Curriculum (1 CREDIT)**

This course consists of thirty-six units designed to prepare students for their transition out of high school. The course will include the following: 36 weekly video transition training lessons accessible in the classroom or at home • 36 weekly in-classroom customizable and adaptable lesson plans • Weekly pre- and post-lesson student assessments • Pre-, mid- and post-year student growth and Transition Assessments.

**NextUp**

**EMIS Code: 300030**

### ●**Progress Monitoring Diagnostics (1 CREDIT)**

With Progress Monitoring Diagnostics, teachers get an inside look at their students' progress through intuitive reports. The system identifies trouble spots, enabling teachers to create instructional groups for students struggling with similar problems. Students will be utilizing IXL Learning in both Math and Language Arts.

**\*IXL\***

**EMIS Code: 300030**

### ●**ACT PREPARATION 13TH EDITION (1 CREDIT)**

This course consists of thirty-six units designed to prepare students for 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 Prep**

**EMIS Code: 300030**

### ●**ACTWorkKeys (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 testing elements.

**ACT Workkeys**

**EMIS Code: 300030**

## ●STUDY SKILLS (½ CREDIT)

This eighteen-unit course is broken down into two nine-unit sections. The first nine units concentrate on student learning styles, study time management, study routines, note-taking strategies, and test-taking tips. The next nine units emphasize reference sources, memorization techniques, strategies for taking standardized tests, and tips for building vocabulary skills. Each unit consists of Prezi or PowerPoint lectures. Students encounter different types of activities and video presentations as they follow along with the lecture. A concept check assesses the student's knowledge at the end of each unit. When students finish the course, they are asked to compile a study skills and strategies portfolio.

**CT Study Skills**

**EMIS Code: 300030**

## ●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.

**OGT Math**

**EMIS Code: 300030**

## ●OGT SCIENCE (½ CREDIT)

This Ohio Graduation Test prep course concisely reviews 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.

**OGT Science**

**EMIS Code: 300030**

## ●OGT SOCIAL STUDIES (½ CREDIT)

This eighteen-unit course prepares students for the Ohio Graduation Test. The OGT is comprised of multiple-choice, short-answer, and extended-response questions. Students can answer questions for practice in each of these categories.

**OGT Social Studies**

**EMIS Code: 300030**



**FINDLAY  
DIGITAL ACADEMY**

**Where Learning Fits You™**

## ***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 learn and understand vocabulary, grammar structure, and other ASL language features. They also acquire the basic skills to carry on simple conversations in the target language.

**LANG American Sign Language I                      EMIS Code: 061050**

### ●AMERICAN SIGN LANGUAGE II (1 CREDIT)

In this course consisting of thirty-six units, students continue to develop basic conversational skills, improve their receptive and expressive abilities, and 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.

**LANG American Sign Language II                      EMIS Code: 061050**

### ●LATIN I (1 CREDIT)

This first-level Latin course, consisting of thirty-six units, covers vocabulary, basic grammar, reading, word derivation, and the influence of Roman civilization on the modern world. Throughout this course, students can hear the proper pronunciation of Latin words or phrases and record themselves reading aloud in Latin. Because mastery of any language requires constant practice and review, a worksheet is provided at the end of every unit.

**LANG Latin I    EMIS Code: 060107**

### ●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.

**LANG Spanish I    EMIS Code: 060265**

## ●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 about familiar topics or themes. Students also gain awareness, understanding of, and appreciation for cultural contributions made by people of the target language.

**LANG Spanish II**

**EMIS Code: 060265**

## ●SPANISH III (1 CREDIT)

This course, consisting of thirty-six units, is offered to students interested in greater fluency in reading, writing, speaking, and understanding the target language. The students must recall previously learned words and phrases and 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.

**LANG Spanish III**

**EMIS Code: 060265**

## ●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 structures 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.

**LANG Spanish IV**

**EMIS Code: 060265**

