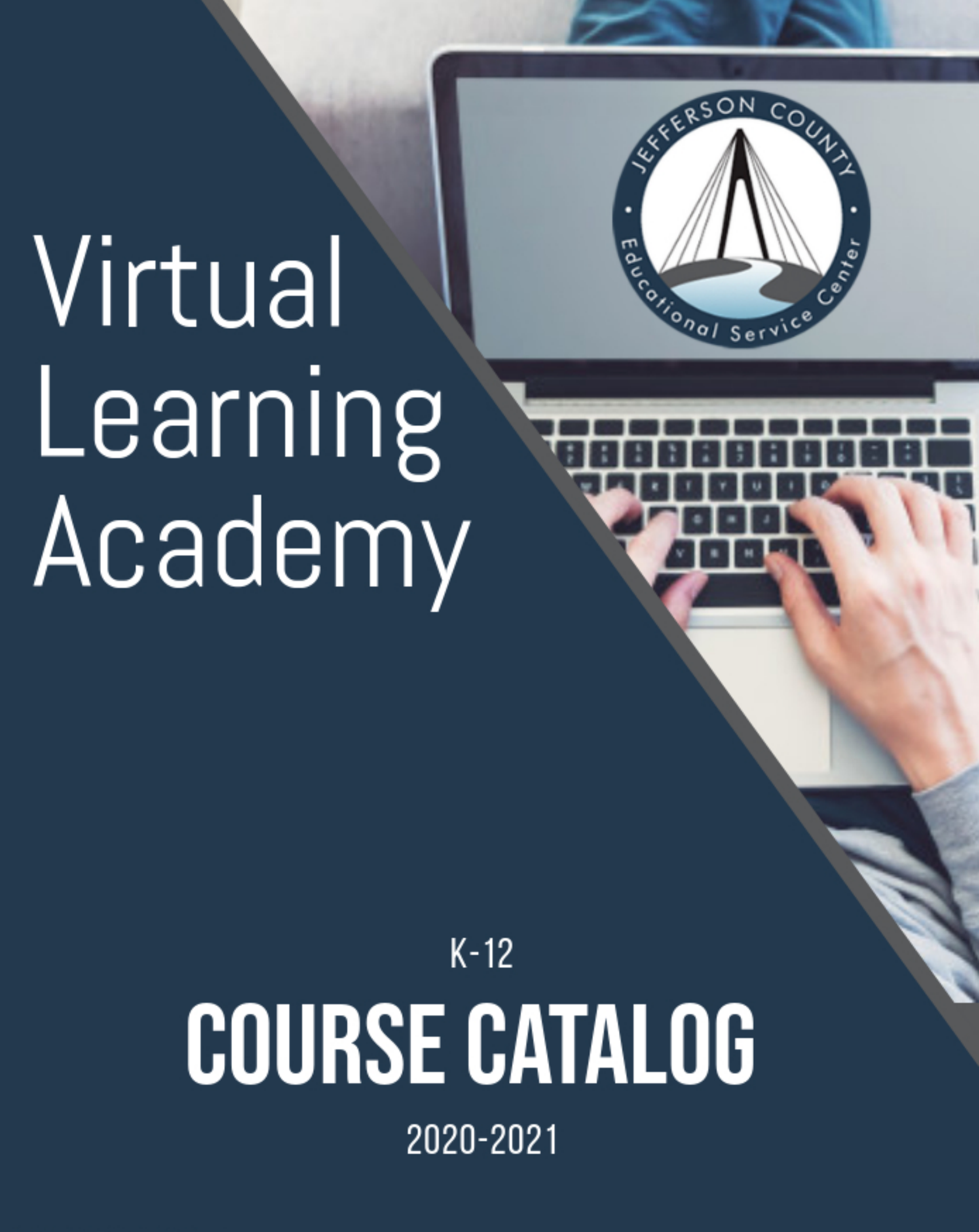

Virtual Learning Academy

K-12

COURSE CATALOG

2020-2021

KINDERGARTEN

● ENGLISH LANGUAGE ARTS KINDERGARTEN (1 CREDIT)

Throughout the thirty-six units of this course, kindergarteners begin to compile a strong foundation for reading, writing, and communication. Each unit includes multimedia presentations that encourage young learners to connect printed letters with spoken words. Students use phonetic analysis to recognize new words andto build a reading vocabulary of sight words. The course contains animations that show the formation of letters and worksheets for practice. Using this model, students advance from writing letters to writing words and simple sentences. They also hone their communication skills by speaking, listening, and interpreting visual images.

ELA English K EMIS code: 050152

●MATH KINDERGARTEN (1 CREDIT)

This course, which consists of thirty-six units, effectively joins curiosity and fact by providing many colorful, hands -on activities to broaden initial memorized numbering skills and to introduce the intricacies of mathematics. Students learn basic mathematical vocabulary and use numbers to represent quantities. The students complete the following in this course: count objects; compare sets of numerals; and recognize shapes, which includes two and three-dimensional figures. Animation, songs, poems, and hands-on activities help to hold young students' interests as they explore the complexities of numbers and the geometric wonders of the world around them.

MATH Math K EMIS code: 110003

●SCIENCE KINDERGARTEN (1 CREDIT)

Kindergarten students are curious about their physical environments andthe variousactivities that take place within them.The theme of the course's thirty-six units, "Observations of the Environment," builds upon thestudents' curiosity and focuses on skills for systematic discovery of the physical world by using scientific inquiry. Students observe changes in the earth, sky, planets, and animals; describe the characteristics of objects and materials; and discuss how different people interact with other living things. Color, quick movement, and various child-friendly voices, (both spoken and in song), hold young students' interests as they learn to use scientific inquiry to answer their many questions about the world around them.

SCI Science K EMIS code: 132110

●SOCIAL STUDIES KINDERGARTEN (1 CREDIT)

The kindergarten year is the time for children to begin forming concepts about the world beyond their own classroom and communities. Culture, heritage, and democratic principles are explored, building upon the foundation of the classroom experience. Through the thirty-six units of this course kindergarteners learn that time can be measured and that personal histories can be shared through stories and pictures. Heritage is reflected through art, customs, traditions, family celebrations, and language. Students learn that maps are used to represent places,landmarks and symbols help to determine relative location. This course also emphasizes the purpose of rules and authority figures. Students recognize that rules provide order, security, and safety in the home, school, and community.

SS Social Studies K EMIS code: 151209

KINDERGARTEN continued

●SPANISH KINDERGARTEN (½ CREDIT)

Students in Spanish KG are introduced to the basic skills of communication in the target language. In the eighteen units of the course they learn basic rules of pronunciation in Spanish and compare these rules to their native language. Students learn vocabulary, numbers, colors, shapes, and simple greetings and salutations. Students also identify cultural items and foods that come from Spanish-speaking countries.

LANG Spanish KG EMIS code: 069958

●ENRICHMENT KIDS KINDERGARTEN (SUPPLEMENT)

This six-unit course offers opportunities for grade-level enrichment in the content areas of English Language Arts, Math, Science, Social Studies, and Spanish.

ENGLISH LANGUAGE ARTS KINDERGARTEN -Students practice writing upper and lower case letters through several multimedia presentations. They also read the book ABC Safari and play a game involving letter

identification.

MATH KINDERGARTEN –Students concentrate on circles, ovals, triangles, squares, rectangles, and diamonds. The lesson also includes multimedia presentations, worksheets, and interactive activities to enhance student learning.

SCIENCE KINDERGARTEN –Students examine the five senses through multimedia presentations. The unit includes activities and worksheets to enhance learning. Students also read the book Paws, Claws, Hands, and Feet.

SOCIAL STUDIES KINDERGARTEN –Students listen and learn about key natural resources that they use every day. Printable worksheets, multimedia presentations, and the book Balloon Trees is included in the unit.

SPANISH KINDERGARTEN –Students learn how the Spanish language became prominent in the United States. They are also informed of the locations within the U.S. that are home to large Hispanic populations. They watch videos, play matching games, and complete activities about the Spanish language.

EKIDS Kindergarten

●COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS KINDERGARTEN (SUPPLEMENT)

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

CA ENG LA Kindergarten

GRADE 1

● ENGLISH LANGUAGE ARTS 110 (1 CREDIT)

Students continue to build a strong foundation for reading, writing, and communicating with others in English Language Arts 110. Following a circus theme throughout its thirty-six units, this course offers a variety of multimedia presentations, readings, worksheets, and other activities. Throughout the course students read and react to prose, poetry, and informational text. They retell stories by describing characters, settings, and events with an emphasis on important details. Prompting and support are joined in assisting students with more complex readings as they are gradually introduced. Students are challenged to extend their reading comprehension skills with the addition of print features, structures, and characteristics. Students continue to learn the conventions of usage in the English language. The basic rules for capitalization and punctuation are emphasized and practiced. Students experiment with expressing opinions, developing narratives, and presenting information through writing. The course addresses word awareness, word selection and uses multimedia presentations to support phonological awareness. Educators enable students to hear sounds and recognize syllables. Students are also encouraged to read with an expression as well as accuracy.

ELA English 110 EMIS code: 050152

● MATH 110 (1 CREDIT)

This course, consisting of thirty-six units, focuses on the Ohio learning standards at the first-grade level. It stresses four critical areas of concentration: developing an understanding of addition and subtraction; strategies for addition and subtraction within twenty; developing an understanding of whole number relationships and place values (including grouping based on ten and one); developing an understanding of linear measurement and measuring lengths as iterating length units; and reasoning about the attributes of geometric shapes. Throughout the units of this course games and worksheets are available to practice these concepts.

MATH Math 110 EMIS code: 110003

●SCIENCE 110 (1 CREDIT)

Science 110, consisting of thirty-six units, builds on the skills of observation and inquiry that students learned in kindergarten. The course focuses on energy, weather, motion, and the basic needs of living things. Multimedia presentations, books in electronic format, videos, interactive activities, and worksheets enhance learning and heighten interest.

SCI Science 110 EMIS code: 132110

●SOCIAL STUDIES 110 (1 CREDIT)

Social Studies 110, consisting of thirty-six units, continues to establish the foundation for the further study of history, geography, government, and economics. This course stresses the importance of being a member of a community as well as being an individual. Students gain an understanding of time passage by thinking about how families lived and worked long ago. Artifacts and images are used for comparing the past to the present. Students also learn that communities need to have rules to keep people safe and following these rules is part of being a good citizen. The course teaches how geographic features and natural resources determine how people live and work in a particular region. Students gain an understanding of why people trade to get the goods and services that they want but cannot produce themselves.

SS Social Studies 110 EMIS code: 151209

GRADE 1 continued

- **SPANISH 110 (½ CREDIT)**

Students are introduced, or re-introduced, to communication skills in the target language throughout the eighteen units of the course. They learn a basic understanding of pronunciation, vocabulary, appropriate grammar, and daily conversation skills. Students begin to format communication on their own using the learned skills. Students study the many cultures of Spanish speaking people and view videos from Spanish-speaking countries.

LANG Spanish 110 EMIS code: 069958

- **ENRICHMENT KIDS 110 (SUPPLEMENT)**

This six-unit course offers opportunities for grade-level enrichment and practice in the content areas of English Language Arts, Math, Science, Social Studies, and Spanish.

ENGLISH LANGUAGE ARTS I -In this unit the students will learn to do the following: blend phonemes; study high frequency words; read literature; re-tell the story; use visual cues to identify the who-what-when-where-why of the text; echo read; differentiate a sentence from a non-sentence; ask and answer questions about important details; add details to strengthen writing; and print the upper and lower case letters of the alphabet. MATH I - In this unit students learn about odd and even numbers. Even numbers include: 2, 4, 6, 8, 10, 12, 14, 16, 18, and 20, while odd numbers include 1, 3, 5, 7, 9, 11, 13, 15, 17, and 19. The e-book, My Even Day, is used to emphasize this point.

SCIENCE I -In this unit the students study the impact of heredity: every parent, animal, and human pass on certain characteristics to their children. They inherit physical traits, such as eye color and hair color, along with mental traits and talents. The unit includes multimedia presentations and worksheets for practice.

SOCIAL STUDIES I -In this unit students experience several scenarios of sorting. Listening and sorting objects, according to appropriate criteria, students come to realize the importance of the skill. They complete activities and read a book about sorting. The last section of this lesson reviews the Pledge of Allegiance.

SPANISH I -In the first unit's section students learn how the Spanish language became prominent in the United States. They become familiar with the locations in the United States that large Hispanic populations call home. Students study other places in the world where Spanish is spoken as the official language, grasp the differences between American and Hispanic culture, and learn the difference between pronouncing words in English and in Spanish. In the second section, the students have the opportunity to watch videos, partake in matching games, and complete activities about the Spanish language.

EKIDS 110

- **COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 1 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for extra practice in English Language Arts.

CA ENG LA Grade 1

GRADE 2

● ENGLISH LANGUAGE ARTS 120 (1 CREDIT)

The thirty-six units of the course follow a format that includes the reading process (literary and informational), writing, spelling, and fluency. Spelling words are introduced during each lesson and a variety of spelling activities are assigned. The units of the course also include read-aloud sections that introduce a story and provide opportunities to model reading fluency. Students read stories orally, practice reading strategies, and respond to literature. They begin concentrating on writing complete sentences at first and progress to paragraphs, short stories, and poems. Students also keep a journal that includes their own writings and drawings.

ELA English 120 EMIS code: 050152

●MATH 120 (1 CREDIT)

In this course, consisting of thirty-six units, students have the opportunity to investigate and develop skills involving numbers, measurement, geometry, patterns, and data analysis. Students can extend their understanding of base-ten notation, build fluency with addition and subtraction, use standard units of measure, and describe and analyze shapes.

MATH Math 120 EMIS code: 110003

● SCIENCE 120 (1 CREDIT)

In this course, including thirty-six units, students relate science concepts and skills to their life experiences. They compare similarities and differences between people, animals, and plants. The functions of living systems and their interactions with the physical environment are explained. Emphasis is placed on the interdependence and survival of plants and animals in Ohio. Weather changes, both short term and long term, are observed, described, and measured. Students discover how cycles are present in their everyday lives through investigations of Earth, sky, sound, light, plants, and animals. Students recognize the purpose, process, and effects of technology, simple equipment, and instruments used in learning about science. They develop an awareness of repeated scientific investigations and understand that under the same conditions the results are similar or the same.

SCI Science 120 EMIS code: 132110

●SOCIAL STUDIES 120 (1 CREDIT)

In this course, divided into thirty-six units, students learn about people working together through their study of history, geography, government, and economics. Along with their continuing practice of social studies skills and methods, students use biographies of people whose work has made a difference and artifacts as clues to the past. They begin to understand various cultures and the impact of the environment on how people live, work, and use their resources. Students build a framework necessary for collaboration and leadership that strengthens their abilities to work with others

SS Social Studies 120 EMIS code:151209

GRADE 2 continued

●SPANISH 120 (½ CREDIT)

In this eighteen-unit course students in Spanish 120 are introduced to skills that enable them to begin or to resume communication in the target language. They practice pronunciation, vocabulary, simple grammar structure, and daily conversation. Students also study many cultural aspects of the Spanish language including the arts, sports, cuisine, and holidays. Also, they have the opportunity to view videos from Spanish-speaking countries and replicate cultural objects on their own.

LANG Spanish 120 EMIS code: 069958

●ENRICHMENT KIDS 120 (SUPPLEMENT)

This six-unit course offers opportunities for grade-level enrichment and practice in the content areas of English Language Arts, Math, Science, Social Studies, and Spanish.

ENGLISH LANGUAGE ARTS 2 -The purpose of this unit is to work on letter-sound relationships and to look for patterns in words. Students learn approximately fifteen words that are made by changing or adding a letter. The lesson begins with one or two-letter words and continues with three, four, and then five-letter words.

MATH 2 –In this unit the students examine the relationship between addition and subtraction. They also learn the concept of fact families.

SCIENCE 2 –In this unit students read about recycling and discover why it is important. They play games, learn a song, create a poster and read an e-book titled Nature Recycles How About You.

SOCIAL STUDIES 2 –In this unit the students learn how to read and interpret a variety of different maps. The unit explains that a map represents a real place and demonstrates how to find places on a map. Students focus on using map tools to understand what is represented on a map.

SPANISH 2 -In this unit students learn about the areas where Spanish is spoken. They review some of the basic words, phrases, and vowel sound that they have heard on television shows or viewed on signs. Students also explore English words which are borrowed from Spanish.

EKIDS 120

●COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 2 (SUPPLEMENT)

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

CA ENG LA Grade 2

GRADE 3

● ENGLISH LANGUAGE ARTS 130 (1 CREDIT)

The thirty-six units follow a format that includes the following :the reading process (literary and informational), spelling, grammar, composition, oral communication, visual communication, and cursive handwriting. Spelling words are introduced in each unit and a variety of learning options are offered. Students focus on using spelling patterns and generalizations when writing paragraphs, compositions, poems, stories, and journal entries. They read orally and practice using different reading strategies to respond to literature and informational text. Students read with sufficient accuracy and fluency to support comprehension. Through exposure to rich language situations students acquire an expanded vocabulary.

ELA English 130 EMIS code: 050152

●MATH 130 (1 CREDIT)

In Math 130 students complete thirty-six units that span a variety of math concepts including multiplication, division, word problems, place value, and fractions. Students work with two and three-dimensional shapes as well as 3-D models. They create and interpret bar graphs. Worksheets and interactive activities provide opportunities for practice.

MATH Math 130 EMIS code: 110003

●SCIENCE 130 (1 CREDIT)

The scientific skills of observation, measuring, and classification serve as focal points for the science course, composed. Students learn to read and interpret simple tables and graphs, how to conduct safe investigations while collecting and analyzing data, and communicate the investigation's results. Students explore the properties and composition of rocks and soils along with the interaction of forces and motion. They also compare the life cycles of animals, their classifications according to characteristics, descriptions of their habitats, and adaptations to their environments. Students examine the impact of technology and explore careers in science and study scientific contributions from a diversity of cultures.

SCI Science 130 EMIS code: 132110

●SOCIAL STUDIES 130 (1 CREDIT)

The focus of the thirty-six units in this course is the local community. Students begin to understand how their community has changed over time and to make comparisons with communities in other places. The study of local history comes alive through the use of artifacts and documents. Students also learn how communities are governed and how the local economy is organized.

SS Social Studies 130 EMIS code: 151209

GRADE 3 continued

●SPANISH 130 (½ CREDIT)

Throughout these eighteen units of this course, students have opportunities to practice speaking and listening to the Spanish language. While working through the units, they watch videos, complete craft projects, and experience a variety of activities that emphasize Spanish culture.

LANG Spanish 130 EMIS code: 069958

● AIR TEST PREPARATION GRADES 3-5 (½ CREDIT)

This course consists of eighteen units and covers English Language Arts, Writing, Mathematics, Science, and Social Studies. Students learn basic computer skills, ways to prepare for tests, and problem-solving strategies. Questions similar to those used on state tests provide opportunities for practice.

TEST PREP Grades 3-5 EMIS code: 300030

● ENRICHMENT KIDS 130 (SUPPLEMENT)

This six-unit course offers opportunities for grade-level enrichment and practice in the content areas of English Language Arts, Math, Science, Social Studies, and Spanish.

ENGLISH LANGUAGE ARTS 3 –In this unit students experience many colorful, fun-filled, summer activities as they read A Cool Summer Tail. The book is used to emphasize the reading process, guided reading, and reading aloud. Students learn how to sequence events, apply dictionary skills, and comprehend what they read. The unit provides spelling words and additional practice in journal writing.

SCIENCE 3 –This unit explains how scientists classify animals according to their characteristics. Students take a virtual field trip to a zoo and play a classification game. The unit also includes The Perfect Pet, a book with illustrations and descriptions of many different types of animals.

MATH 3 -In this unit, students work with the associative, zero, and commutative properties of addition and multiplication. They may refer to the charts at any time during the lesson. Students also look at patterns in n umbers and observe how they expand.

SOCIAL STUDIES 3 -In this unit, students read a story about two mice. One life in the country and the other lives in the city. Students are asked to explain what happens when they visit each other. The lesson points out that like the mice in the story, people live in the country, in the city or somewhere in between.

SPANISH 3 -In this unit, students learn about the areas where Spanish is spoken. They review some of the basic words, phrases, and vowel sounds that they have heard on television shows or have seen on signs. Students also explore English words which are borrowed from Spanish.

EKIDS 130

GRADE 3 continued

●COMMON ASSESSMENTS MATH GRADE 3 (SUPPLEMENT)

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Math.

CA Math Grade 3

●COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS (SUPPLEMENT)

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

CA ENG LA Grade 3

GRADE 4

- **ENGLISH LANGUAGE ARTS 140 (1 CREDIT)**

This course consists of thirty-six units and covers reading, spelling, grammar, and writing. Some science concepts are integrated into reading, and some basic math skills are practiced in spelling. Students continue to engage in skill units to develop reading fluency and comprehension. They read a variety of genres, including chapter books, tall tales, fables, poetry, folk tales, and informational articles. In each unit, students complete a journal entry and learn to use a rubric for journal writing. Students use the writing process and engage in a variety of writing applications.

ELA Eng 140 EMIS code: 050154

- **MATH 140 (1 CREDIT)**

In this course of thirty-six units, students investigate the base-ten number system by reading, writing, representing, comparing and rounding whole numbers and decimals; compute with whole numbers using 1 and 2 digit numbers; develop strategies for performing mental computations; and generate equivalent forms of fractions and decimals to estimate, add, and subtract decimals and fractions with like denominators. Students count money and make a change; examine prime and composite numbers; make simple measurement conversions of units; solve multi-step problems; and develop strategies to find perimeter, area, and volume. In geometry, students investigate, classify, and model plane figures and solids. They plot locations in the first quadrant of a coordinate system and make transformations of slides, flips, and turns; use words, tables, and graphs to analyze patterns and relationships to make predictions and solve problems; represent unknowns as variables in equations and inequalities and relate how change in one variable affects the value of a related variable. Students gather and organize data in tables, charts, and graphs and make predictions based on interpretations and appropriate display of data; use mode, median, and range to describe characteristics of data; conduct simple probability experiments and make predictions of possible outcomes ordering events as impossible, unlikely, equal, likely, and certain-to-happen; and make lists to display all possible combinations of different sets of items.

MATH Math 140 EMIS code: 110150

- **SCIENCE 140 (1 CREDIT)**

Throughout the thirty-six units of this course, students continue to conduct investigations safely, choose appropriate tools, formulate conclusions, and communicate findings. They draw inferences from simple experiments and study the physical and chemical changes of matter. Properties of materials and the discovery of new materials formed by combining two or more materials are explored. Students expand the study of life cycles of plants by examining characteristics, growth, and functions. Students gather information on the weather and its patterns. They observe how weather impacts the Earth's surface, land, air, and water. Students explore how utilizing technology affects human lives and how technology and inventions change to meet people's needs.

SCI Science 140 EMIS code: 132120

GRADE 4 continued

●SOCIAL STUDIES 140 (1 CREDIT)

In this course consisting of thirty-six units, fourth-graders focus on the early development of Ohio and the United States. Students learn about the history, geography, government, and economy of the state and nation. Foundations of U.S. history are laid as students study prehistoric Ohio cultures, early American life, and the U.S. Constitution. Students begin to understand how ideas and events from the past have shaped modern Ohio and the United States.

SS Social Studies 140 EMIS code: 151210

●SPANISH 140 (½ CREDIT)

Throughout the eighteen units of this course, students are introduced to or are reacquainted with, necessary skills to begin or to resume communication in the target language. They explore pronunciation, vocabulary, simple sentence structure, and ways to engage in daily conversation. Each unit focuses on a Spanish-speaking country, and students learn about the history, culture, arts, sports, cuisine and holidays of that country. They also have the opportunity to view videos from Spanish-speaking countries and to replicate cultural objects to gain a greater understanding of the target language.

LANG Spanish 140 EMIS code: 069958

● ENRICHMENT KIDS 140 (SUPPLEMENT)

This six-unit course offers opportunities for grade-level enrichment and practice in the content areas of English Language Arts, Math, Science, Social Studies, and Spanish.

ENGLISH LANGUAGE ARTS 4 –Students review the five steps of the writing process and practice their creative writing skills in this unit. After reading the short story Mrs. Mouse's Vacation, they are asked to write a similar story based on their own experience. The unit also reviews homophones, contractions, proper nouns, and compound words.

SCIENCE 4 -In this unit students cover three very important topics: water, freezing/thawing of rocks, and temperature. They also learn how these topics are related. The lesson includes a list of important vocabulary words and their definitions. Videos and activities reinforce the content of the lesson.

MATH 4 -In this unit, students learn rules for rounding. They study why and how to round numbers. Rounding is an important first step in estimation. This helps students learn to estimate and to find the sum or difference of whole numbers.

SOCIAL STUDIES 4 -In this unit students learn about Rosa Parks and Susan B. Anthony, two women stood up for their beliefs. They eventually won the right to sit on a bus and the right to vote, respectively. Why did this not happen sooner? How did the government preserve the law and yet make the changes for equality of all people? In this unit, students discover some of the answers to these complex questions.

SPANISH 4 -In this unit students learn about words borrowed from the Spanish language and words that are alike in Spanish and English. They learn about the Mexican holiday Cinco de Mayo, watch a video of a celebration and learn to make a piñata on their own. Students read and listen to the book Burro's Tortillas, complete practice activities, and get a recipe to make Mexican tortillas. They also review shapes and practice their Spanish pronunciation with vocabulary.

EKIDS 140

GRADE 4 continued

●AIR TEST PREPARATION GRADES 3-5 (½ CREDIT)

This eighteen-unit course consists of English Language Arts, Writing, Mathematics, Science, and Social Studies. Students learn necessary computer skills, ways to prepare for tests, and problem-solving strategies. Questions similar to those used on state tests provide opportunities for practice.

TEST PREP Grades 3-5 EMIS code: 300030

●COMMON ASSESSMENTS MATH GRADE 4 (SUPPLEMENT)

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Math.

CA MATH Grade 4

●COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 4 (SUPPLEMENT)

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

CA ENG LA Grade 4

GRADE 5

●ENGLISH LANGUAGE ARTS 150 (1 CREDIT)

In this course of thirty-six units, students engage in skill units to enhance reading fluency and comprehension. This course integrates reading, writing, and oral/visual communication. Students develop skills to decode words and to build vocabulary. This includes the use of dictionaries, context clues, prefixes, suffixes, and root words. Students also learn to identify and to use different parts of speech correctly. The following books are required reading: The Whipping Boyby Sid Fleischman, Dear Mr. Henshawby Beverly Cleary and Shilohby Phyllis Reynolds Naylor.

ELA ENGLISH 150 EMIS code: 050154

●MATH 150 (1 CREDIT)

Throughout the thirty-six units of this course, students explore many exciting topics and examine how math pplications apply to daily life. The course begins with the basics, such as whole number addition and multiplication properties. As they progress, students work with complex fractions, geometric functions, and other advanced concepts.

MATH Math 150 EMIS code: 110150

●SCIENCE 150 (1 CREDIT)

Earth and space sciences are investigated in more detail in this course, which consists of thirty-six units. Earth's characteristics, resources, and location in the solar system are identified and their implications are explored. Students also learn about the interrelationship of organisms, ecosystems, simple food chains, and food webs. Energy and energy transfer through an electrical current are addressed. Students describe and illustrate the design process. They represent the positive and negative effects of human activity and technology on the environment. Students observe, measure, and collect data when conducting scientific investigations; they use this information to formulate inferences and conclusions. Students also develop skills to communicate the results.

SCI Science 150 EMIS code: 132120

●SOCIAL STUDIES 150 (1 CREDIT)

Throughout this course of thirty-six units, students study the Western Hemisphere (North and South America), its geographic features, early history, cultural development, and economic development. They learn about the early inhabitants of the Americas and the impact of European exploration and colonization. The geographic focus includes the study of contemporary regional characteristics, the movement of people, products and ideas, and cultural diversity. Students develop their understanding of the relationship between markets and available resources.

SS Social Studies 150 EMIS code: 151210

GRADE 5 continued

- **SPANISH 150 (½ CREDIT)**

Throughout the eighteen units of Spanish 150, students continue the exploration of the Spanish language, traditions, and culture. They are introduced to new Spanish words and review words that were learned previously. Students take a closer look at Spanish pronunciation and rules for accentuation. They have many opportunities to practice speaking and to sound more like a native, Spanish speaker. The students continue to study sentence formation and begin to write about things they know in the Spanish language. They work with gender and formality to respond to questions and to express their personal opinions. Also, they have the opportunity to view videos and to listen to podcasts, including music from Spanish-speaking countries. Students replicate cultural objects to gain a greater understanding of the target language and culture.

LANG Spanish 150 EMIS code: 069958

- **DIGITAL CITIZENSHIP (½ CREDIT)**

Students in Elementary Digital Citizenship explore ways to become good digital citizens in today's world. Through the course's eighteen units, students are introduced to the primary elements of digital citizenship: Digital Literacy, Digital Access, Digital Rights and Responsibilities, and Digital Safety. Students have opportunities to watch videos, to listen to sound clips, and to complete activities.

TECH Digital Citizenship EMIS code: 299999

- **ENRICHMENT KIDS 150 (SUPPLEMENT)**

This six-unit course offers opportunities for grade-level enrichment and practice in the content areas of English Language Arts, Math, Science, Social Studies, and Spanish.

ENGLISH LANGUAGE ARTS 5 -Throughout this unit, students learn about different parts of speech, including nouns and pronouns. They also learn how to format friendly and business letters.

SCIENCE 5 -In this unit students learn about volcanoes and earthquakes. They study the birth of a volcano, causes of volcanic eruptions, what comes out of a volcano, and predictions of future eruptions. Students also learn how to measure the severity of earthquakes and see the damage caused when they occur.

MATH 5 -In this unit students work with mixed fractions. With the help of fraction bars, they perfect the skill of adding and subtracting these complicated numbers. The unit includes a game, a video, and a worksheet for extra practice.

SOCIAL STUDIES 5 -In this unit students learn more about U.S.citizenship. Citizenship gives Americans the maximum rights available in the United States, including the right to vote, the U.S. government's protection when abroad, and a much greater ability to sponsor relatives for U.S. immigration. The unit also provides an overview of the Constitution and the Bill of Rights.

SPANISH 5 -In this unit students explore Puerto Rico and discuss childhood memories by recalling past experiences with the five senses. They learn to play a game enjoyed by children in Puerto Rico and to create song lyrics based on their memories. Students study the Mayan Numeral System and learn more about the pronunciation of consonants in Spanish. They are required to read thebook, Conoce los planetas, to improve their listening and speaking skills.

EKIDS 150

GRADE 5 continued

●AIR TEST PREPARATION GRADES 3-5 (½ CREDIT)

This course consists of eighteen units that cover English Language Arts, Writing, Mathematics, Science, and Social Studies. Students learn basic computer skills, ways to prepare for tests, and problem-solving strategies. Questions similar to those used on state tests provide opportunities for practice.

TEST PREP Grades 3-5 EMIS code: 300030

●AIR SCIENCE GRADE 5 (SUPPLEMENT)

This supplement includes seven units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Science.

AIR Science Grade 5 EMIS code: 300030

●COMMON ASSESSMENTS MATH GRADE 5 (SUPPLEMENT)

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Math.

CA Math Grade 5

●COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 5 (SUPPLEMENT)

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

CA ENG LA Grade 5

GRADE 6

●ENGLISH LANGUAGE ARTS 160 (1CREDIT)

In this course consisting of thirty-six units, students engage in skill units to enhance reading fluency and comprehension. This course integrates reading, writing, and oral/visual communication. Students develop skills to decode words and build vocabulary. They use dictionaries, context clues, prefixes, suffixes, and root words. Students also learn to identify and to use different parts of speech, punctuation, spelling, and capitalization correctly. The following books are required reading: Maniac Mageeby Jerry Spinelli, Bud, Not Buddyby Christopher Paul Curtis, From the Mixed-Up Files of Mrs. Basil E. Frankweilerby E.L. Konigsburg.

ELA English 160 EMIS code: 050154

●MATH 160 (1 CREDIT)

In the thirty-six units of this course, students explore many exciting topics and examine applications of the concepts learned in real-world settings. They begin by looking at factors, exponents, and the order of operations. Later units include more advanced concepts, such as negative numbers, graphing, and simple equations.

MATH Math 160 EMIS code: 110150

●SCIENCE 160 (1 CREDIT)

In this course consisting of thirty-six units, students continue to conduct investigations and begin to apply mathematical skills in evaluating and analyzing the variables of data. They identify the basic skills of the scientific inquiry process and researchhowmen and women from other countries have contributed to the advancement of science. Students identify rocks and their distinct properties. The division of cells and the creation of new cells are also emphasized. The course discusses renewable and nonrenewable sources of energy.

SCI Science 160 EMIS code: 132120

- **SOCIAL STUDIES 160 (1 CREDIT)**

In this course consisting of thirty-six units, students focus on the people and places of the Eastern Hemisphere, including Asia, Africa, Australia, and Europe. They also learn about the unique, early civilizations that developed in these regions and their enduring impact on the modern world. How do the people of the Eastern Hemisphere govern themselves? How does the movement of people, products, and ideas from one part of the globe to another affect their lives? Sixth-grade students also consider their roles as consumers in a market economy along with the effects of scarce resources, competition, supply, and demand.

SS Social Studies 160 EMIS code: 151210

GRADE 6 continued

●SPANISH 160 (½ CREDIT)

Throughout the eighteen units of this course, students follow the theme of travel. This gives them the virtual option of exploring the history and culture of Spanish-speaking countries and cities. Students continue learning new Spanish vocabulary. At the same time, they use previously learned words. Many opportunities to practice speaking are provided. This practice helpsstudents to sound like native speakers, reinforces the rules for accentuation, and provides punctuation practice. Students continue their work with sentence formation and write in the Spanish language about things they know. They work with gender and formality to respond to questions that request personal opinions.Students have the opportunity to view videos and to listen to podcasts, including music from Spanish-speaking countries. Students replicate cultural objects to gain a greater understanding of the target language and culture.

LANG Spanish 160 EMIS code:069958

●DIGITAL CITIZENSHIP (½ CREDIT)

Students in Elementary Digital Citizenship explore ways to become good digital citizens in today's world. Through the course's eighteen units, students are introduced to the primary elements of digital citizenship: Digital Literacy, Digital Access, Digital Rights and Responsibilities, and Digital Safety. Students have opportunities to watch videos, to listen to sound clips, and to complete activities.

TECH Digital Citizenship EMIS code: 299999

●INTRO TO ART I (½ CREDIT)

Introduction to Art, consisting of eighteen units, is a middle school (grades 6-8) course. 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 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 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 enjoy.

FA Intro to Art A EMIS code: 020012

FA Intro to Art B

FACR Intro to Art A

FACR Intro to Art B

GRADE 6 continued

●INTRO TO MUSIC (½ CREDIT)

Junior High Music Appreciation consists of eighteen units. Students begin the course with a brief lesson in basic music terminology that helps them understand the development of music history. Students then learn about important music developments in each musical time 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 are also discussed. Numerous video and audio recordings are 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 show up in the assessments at the end of each lesson. Some of these videos and recordings may be considered inappropriate due to the topics covered within the music or language used within the songs. However, they are an integral part of the history of the music.

FA Intro to Music EMIS code: 122000

FACR Intro to Music

●CAREER EXPLORATION (½ CREDIT)

In this course, 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.

CT Career Exploration EMIS code: 300010

● STEM CAREERS (¼ Credit)

This nine-week, the career-training course provides opportunities to learn about careers in the areas of science, technology, engineering, and math. Students complete projects and research activities while exploring STEM-related fields, such as forensic science, electrical engineering, and environmental science.

CT CAREER Stem EMIS code: 300010

GRADE 6 continued

- **ENRICHMENT KIDS 160 (SUPPLEMENT)**

This six-unit course offers opportunities for grade-level enrichment and practice in the content areas of English Language Arts, Math, Science, Social Studies, and Spanish.

ENGLISH LANGUAGE ARTS 6 –Students begin this unit by learning about capitalization and the rules of punctuation. There are opportunities to practice new skills and to answer questions about these topics. The lesson also stresses two types of figurative language, similes, and metaphors. Students use a graphic organizer to plan their writing and a checklist to evaluate their work. They finish the unit with a narrative writing activity.

SCIENCE 6 -It is very important in science to be able to measure and to understand the physical properties of matter. This unit goes into depth to explain how to measure the mass and the volume of matter. The second part of this unit explores the concept of density and allows practicing some density problems.

MATH 6 –This unit focuses on decimals. Students learn that decimals are actually fractions written differently. The unit offers several examples to show students how to add and subtract these base-ten numbers. The lesson also explains how decimals can be used to give quick estimates.

SOCIAL STUDIES 6 -In this unit, students review many of the terms associated with geography. There is an emphasis on landforms, bodies of water, climate, vegetation, and seismic activity. Students also are asked to do several activities that involve reading maps and globes.

SPANISH 6 -In this unit, students discover Spain, the birthplace of the Spanish language. They enjoy a virtual trip through the country's cities and provinces. The unit provides an opportunity to practice punctuation, accenting syllables, capitalization, and subject pronouns.

EKIDS 160

- **COMMON ASSESSMENTS MATH GRADE 6 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Math.

CA Math Grade 6

- **COMMON ASSESSMENTS ENGLISH ARTS GRADE 6 (SUPPLEMENT)**

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English/Language Arts.

CA ENG LA Grade 6

- **BASIC CODING WITH SCRATCH (¼ Credit)**

In this course you will learn the basics of coding using a program called Scratch. This course will also cover topics to use the Internet effectively while giving you the to be to be a good citizen.

TECH Basic Coding EMIS code: 299999

GRADE 7

●AIR ENGLISH LANGUAGE ARTS GRADE 7 (1 CREDIT)

This thirty-six-unit course is recommended and is designed to prepare Ohio students for the Ohio AIR Grade 7 English Language Arts Assessment. The course emphasizes reading and writing skills. Students read a variety of literary texts, including stories, dramas, and poems. They analyze various points of view and the perspectives of authors. They practice determining the meaning of words and phrases through context. The course also stresses the importance of clear and coherent writing. Students build on what they already know about the writing process. They learn to establish theses and to support claims while maintaining a formal writing style. Students are encouraged to use correct spelling, correct conventions of writing, and different types of sentence structures.

ELA English 170 EMIS code: 050156

● MATH 170 (1 CREDIT)

In this course consisting of thirty-six units, students explore a variety of mathematical topics beginning with rational and irrational numbers. As the course progresses, they work with variables, formulas, Algebraic expressions, statistics, and probability. All concepts are applied to real-world settings with an emphasis on actual math problems encountered in everyday life.

MATH Math 170 EMIS code: 110175

●SCIENCE 170 (1 CREDIT)

In this course consisting of thirty-six units, students learn to describe interactions of matter and energy throughout the lithosphere, hydrosphere, and atmosphere. They continue to develop skills of scientific inquiry, explain how matter can change and describe how energy in its many forms is potential or kinetic. Students apply math skills to evaluate and analyze variables and data from investigations as they draw conclusions from scientific evidence. Students recognize that technology can create environmental and economic conflicts that affect the quality of life. They also realize that science and technology cannot answer all questions and cannot solve all human problems. Students acquire knowledge to explain how energy, such as sunlight, entering the ecosystems supports the life of organisms through photosynthesis and the transfer of energy through the interactions of organisms and the environment.

SCI Science 170 EMIS code: 132130

●SOCIAL STUDIES 170 (1 CREDIT)

Throughout the thirty-six units of this course, students study a wide variety of events, people, and decisions that have not only affected our past but that directly influence our present and future. From Ancient Greece to the First Global Age, this course explores how the world changed and evolved. It provides a foundation for global awareness and a better understanding of the modern world.

SS Social Studies 170 EMIS code: 151210

GRADE 7 continued

●SPANISH 170 (½ CREDIT)

In this eighteen-unit course, students are introduced, or re-introduced, to skills to begin or to resume, communication in the target language. They gain knowledge and understanding of pronunciation, vocabulary, grammar structure, and simple conversation as well as study the many cultural aspects of the target language, including music, dance, art, sports, literature, cuisine, and festivals.

LANG Spanish 170 EMIS code: 060265

●INTRO TO ART (½ CREDIT)

Introduction to Art, consisting of eighteen units, is a middle school (grades 6-8) course. 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 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 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 enjoy.

FA Intro to Art A EMIS code: 020012

FA Intro to Art B

FACR Intro to Art A

FACR Intro to Art B

●INTRO TO MUSIC (½ CREDIT)

Junior High Music Appreciation consists of eighteen units. Students begin the course with a brief lesson in basic music terminology that helps them understand the development of music history. Students then learn about important music developments in each musical time 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 are also discussed. Numerous video and audio recordings are used throughout the class as a resource for understanding the development of this genre of music. Students should take the time to listen and watch all videos as material from those videos show up in the assessments at the end of each lesson. 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 music.

FA Intro to Music EMIS code: 122000

FACR Intro to Music

GRADE 7 continued

•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.

CT Career Exploration EMIS code: 300010

•DIGITAL CITIZENSHIP (½ Credit)

Students in Elementary Digital Citizenship explore ways to become good digital citizens in today's world. Through the course's eighteen units, students are introduced to the primary elements of digital citizenship: Digital Literacy, Digital Access, Digital Rights and Responsibilities, and Digital Safety. Students have opportunities to watch videos, to listen to sound clips, and to complete activities.

TECH Digital Citizenship EMIS code: 299999

TECHCR Digital Citizenship

•STEM CAREERS (¼ Credit)

This nine-week, the career-training course provides opportunities to learn about careers in the areas of science, technology, engineering, and math. Students complete projects and research activities while exploring STEM-related fields, such as forensic science, electrical engineering, and environmental science.

CT Career STEM EMIS code: 300010

GRADE 7 continued

•ENRICHMENT KIDS 170 (SUPPLEMENT)

This six-unit course offers opportunities for grade-level enrichment and practice in the content areas of English Language Arts, Math, Science, Social Studies, and Spanish.

ENGLISH LANGUAGE ARTS 7 -In this unit, students read the short story, All Summer in a Day, by Ray Bradbury. They answer questions dealing with this story and define vocabulary words that the author uses to convey his thoughts and ideas.

SCIENCE 7 –In this unit, students study the water cycle. They learn how evaporation, condensation, and precipitation contribute to the process. Students recognize that water constantly changes states from liquid to vapor to ice and back again. The lesson also addresses the global distribution of water and the problems created by the scarcity of fresh water.

MATH 7 –This unit focuses on scientific notation, a method of writing large numbers in an abbreviated form. Students use their knowledge of decimals and fractions along with problem-solving skills to express large numbers with this mathematical shortcut. The lesson includes a helpful video and a worksheet for extra practice.

SOCIAL STUDIES 7 –Students follow Christopher Columbus on his journeys to the New World in this unit. His arrival set off an exchange of plants and animals that would change the lives of people on both sides of the Atlantic. The unit includes several videos and an interactive activity that separates the real Columbus from the myth.

SPANISH 7 -In this unit, students are introduced to the Spanish language; learn about the gender of nouns; learn the pronunciation of the letter "a" and watch a video about vowels. They learn to identify the letters of the Spanish alphabet and read about the origin of the Spanish language. The story of Goldilocks and the Three Bears is read in Spanish.

EKIDS 170

• COMMON ASSESSMENTS MATH GRADE 7 (SUPPLEMENT)

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Math.

CA Math Grade 7

•COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 7 (SUPPLEMENT)

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

CA ENG LA Grade 7

•BASIC CODING WITH SCRATCH (¼ Credit)

In this course you will learn the basics of coding using a program called Scratch. This course will also cover topics to use the Internet effectively while giving you the to be to be a good citizen.

TECH Basic Coding EMIS code: 299999

GRADE 8

● ENGLISH LANGUAGE ARTS GRADE 8 (1 CREDIT)

This course is recommended and is designed to prepare Ohio students for the AIR GRADE 8 English Language Arts Assessment. Students apply the writing process to develop argumentative/persuasive/opinion, informative/expository/explanatory, and literary analysis essays. Additionally, they 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 each genre and to answer the questions on the AIR Assessment. At the end of every unit, students review grammar and language conventions, such as parts of sentence parts, sentence types, verb moods, capitalization, and punctuation.

ELA English 180 EMIS code: 050156

●MATH 180 (1 CREDIT)

In this course consisting of thirty-six units, students investigate the base-ten number system by reading, writing, representing, comparing and rounding whole numbers and decimals; compute with whole numbers using one and two-digit numbers; develop strategies for performing mental computations; and generate equivalent forms of fractions and decimals to estimate, add, and subtract decimals and fractions with like denominators. Students count money and make a change; examine prime and composite numbers; make simple measurement conversions of units; solve multi-step problems; and develop strategies to find perimeter, area, and volume. In geometry, students investigate, classify, and model plane figures and solids. They plot locations in the first quadrant of a coordinate system and make transformations of slides, flips, and turns; use words, tables, and graphs to analyze patterns and relationships to make predictions and solve problems; represent unknowns as variables in equations and inequalities and relate how change in one variable affects the value of a related variable. Students gather and organize data in tables, charts, and graphs and make predictions based on interpretations and appropriate display of data; use mode, median, and range to describe characteristics of data; conduct simple probability experiments and make predictions of possible outcomes ordering events as impossible, unlikely, equal, likely, and certain-to-happen; and make lists to display all possible combinations of different sets of items. There are worksheets in many of the units that provide more practice on specific topics.

MATH Math 180 EMIS code: 110175

●SCIENCE 180 (1 CREDIT)

In this course consisting of thirty-six units, students explore space and plate tectonics as they continue to draw conclusions from scientific evidence that support theories related to the change of the Earth's surface. They acquire knowledge to describe how positions and motions of objects in the universe cause predictable and cyclic events. Students explain that the universe is composed of vast amounts of matter and that it is held together by gravitational force. They explore equipment to study the universe, such as telescopes, probes, satellites, and spacecraft. The motion of objects, effects of forces on objects, and how waves (sound, water, and earthquake) transfer energy are explored. Students analyze how the extinction of a species occurs when the environment changes, and its adaptive characteristics are insufficient to allow survival. Students design a solution to a problem or design and build a product, given certain constraints. Technological influences on the quality of life are also explored in this course.

SCI Science 180 EMIS code: 132130

SCICR Science 180

GRADE 8 continued

●SOCIAL STUDIES 180 (1 CREDIT)

Throughout the thirty-six units of this course, students study the series of events, decisions, and ideas that shaped the development of the United States of America. From its colonial roots to the aftermath of the Civil War, the country's first centuries reveal a fascinating story and the contributions of many amazing people. Students also have the opportunity to read excerpts from some of the significant documents that form the basis of American government.

SS Social Studies 180 EMIS code: 151201

SSCR Social Studies 180

● SPANISH 180 (½ CREDIT)

In this course consisting of eighteen units, students are introduced, or re-introduced, to skills to begin or to resume, communication in the target language. Students gain knowledge and understanding of vocabulary, grammar structure, pronunciation, and conversation as well as study the many cultural aspects of the target language, including music, dance, art, literature, cuisine, and traditions. Enrichment activities challenge more advanced students.

LANG Spanish 180 EMIS code: 060265

●INTRO TO ART (½ CREDIT)

Introduction to Art, consisting of eighteen units, is a middle school (grades 6-8) course. 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 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 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 enjoy.

FA Intro to Art A EMIS code: 020012

FA Intro to Art B

FACR Intro to Art A

FACR Intro to Art B

GRADE 8 continued

•INTRO TO MUSIC (½ CREDIT)

Junior High Music Appreciation consists of eighteen units. Students begin the course with a brief lesson in basic music terminology that helps them understand the development of music history. Students then learn about important music developments in each musical time 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 are also being discussed. Numerous video and audio recordings are used throughout the class as a resource for understanding the development of this genre of music. Students should take the time to listen and watch all videos as material from those videos show up in the assessments at the end of each lesson.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 music.

FA Intro to Music EMIS code: 122000

FACR Intro to Music

•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.

CT Career Exploration EMIS code: 300010

•ENRICHMENT KIDS 180 (SUPPLEMENT)

This six-unit course offers opportunities for grade-level enrichment and practice in the content areas of English Language Arts, Math, Science, Social Studies, and Spanish.

ENGLISH LANGUAGE ARTS 8-In this unit, students read the short story, Thank You, M'am, by Langston Hughes. They also read a poem, Count That Day Lost, by George Eliot. The assessment asks students to define several words used by the authors and to compare the two literary works.

SCIENCE 8 -This unit examines the life cycle and classifications of stars. Students study novae, pulsars, black holes, and other entities related to the universe. The unit includes images, activities, and videos to enhance the subject matter.

MATH 8 -In this unit, students solve problems based on geometry. Students need drawing paper, a straight edge (ruler), a protractor, a compass, and/or a drawing program to complete the assignments in this lesson.

SOCIAL STUDIES 8 -In this unit, students focus on building a country from thirteen states. They explore the precedents set by George Washington for forming a cabinet and a two-term presidency. Alexander Hamilton's creation of a national bank and the establishment of an independent federal court system are also discussed.

SPANISH 8 -In this unit, the students are introduced to the Spanish language. They learn about vowelsin Spanish; watch a video about vowels; learn about and watch a video of the holiday El día de los muertosin México and compare it to holidays in the United States; read about the city of Oaxaca famous for the celebration of El día de los muertos; and learn to make papel picado(paper cutouts) like those in Mexico.

EKIDS 180

GRADE 8 continued

•AIR SCIENCE GRADE 8 (SUPPLEMENT)

This supplement includes ten units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Science.

AIR Science Grade 8

•COMMON ASSESSMENTS MATH GRADE 8 (SUPPLEMENT)

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in Math.

CA Math Grade 8

•COMMON ASSESSMENTS ENGLISH LANGUAGE ARTS GRADE 8 (SUPPLEMENT)

This supplement includes three units and is based on Ohio's Learning Standards. It offers grade-level questions and performance tasks for additional practice in English Language Arts.

CA ENG LA Grade 8

•BASIC CODING WITH SCRATCH (¼ Credit)

In this course you will learn the basics of coding using a program called Scratch. This course will also cover topics to use the Internet effectively while giving you the to be to be a good citizen.

TECH Basic Coding EMIS code: 299999

GRADE 9—12

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 he 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

•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**

GRADE 9—12

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 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.

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 step by step through the process, which involves applying, 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 areas of 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 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: 300010

SCICR Medical Terminology EMIS code: 300010

GRADE 9—12

CAREER TRAINING

•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.

CT Introduction to Oil & Gas EMIS code: 300010

CTCR Introduction to Oil & Gas

- **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 search for information re-garding these careers on the Ohio Means Jobs website.

CT Public Safety EMIS code:300010

CTCR Public Safety

•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

GRADE 9—12

CAREER TRAINING

•STEM CAREERS (¼ CREDIT)

This nine-week course provides opportunities to learn about careers in the areas of science, technology, engineering, and math. Students complete projects and research activities while exploring STEM-related fields, such as forensic science, electrical engineering, and environmental science.

CT Career STEM

•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, management of study time, 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 is administered to assess the student's knowledge at the end of each unit. When students finish the course, they are asked to compile a portfolio of study skills and strategies.

CT Study Skills

GRADE 9—12

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 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.

ELA English 9 EMIS Code: 050160

ELACR English 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

- **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 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.

ELA English 11 EMIS Code: 050180

ELACR English 11

GRADE 9—12

ENGLISH LANGUAGE ARTS

•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

•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 Myhtology 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

•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.

ELA Short Stories EMIS Code: 059999

ELACR Short Stories

GRADE 9—12

ENTERTAINMENT TECHNOLOGY

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

In this eighteen-unit course, students discover that games reflect the social, religious, political, and economic elements of every society's culture. They have the opportunity to reconstruct 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 are compared and contrasted. The course includes several projects that students must photograph and send to the instructor.

ETACR Games Through the Ages EMIS Code: 159999

- **GAME DESIGN STUDIO (½ CREDIT)**

This eighteen-unit course shows students what it takes to create and play their own complex games. Students who are interested in entering the gaming industry benefit from this in-depth approach. Planning, organization, and writing skills are emphasized, and projects accompany what is covered in every unit. The game designs in this course are pencil-and-paper games, built as hands-on prototypes. This allows students to concentrate on game design rather than new, digital tools. The use of commonly available art supplies allows students to prototype, playtest, and revise games quickly .

ETA Game Design Studio EMIS Code: 299999

- **GAME PRODUCTION AND MARKETING (½ CREDIT)**

This eighteen-unit course is for individuals who wish to understand the entire process of designing a game, marketing a game and, finally, getting that game into the hands of customers, who wish to play the game. Students have the opportunity to investigate team roles and to understand where roles fit in the business of producing and marketing games.

ETA Game Production and Marketing EMIS Code: 145075

- **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.

ETA Modern Storytelling EMIS Code: 059999

GRADE 9—12

FAMILY and 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 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 that is 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 as well as 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

GRADE 9—12

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, Realis, 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.

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

GRADE 9—12

FINE ARTS

●INTRODUCTION TO THEATRE (½ CREDIT)

Throughout this eighteen-unit course, students learn about the theatre from its origins to modern opening nights. They also have the opportunity to develop their own skills in lighting, set and costume design as well as acting, directing, producing, and script development. Various forms of plays are discussed; this covers a large period, targeting the relationship theatre has with society. Students learn to develop an appreciation for theatre and skills for critical evaluation of theatrical productions.

FA Introduction to Theatre I EMIS Code: 050600

●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 in chronological order but in terms of the elements and how the artists implemented the elements. 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.

FA Renaissance Art EMIS Code: 029999

GRADE 9—12

HEALTH

●HEALTH (½ CREDIT)

This eighteen-unit course focuses on helping students to become responsible for their personal wellness. Students develop basic 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.

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 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.

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. Mountain climbing, backpacking, snowboarding, cheese rolling and barrel riding over Niagara Falls are all included. 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

GRADE 9—12

MATHEMATICS

●ADVANCED MATH (1 CREDIT)

In this thirty-six-unit course, students explore pre-calculus topics. Students determine what properties hold for operations with complex numbers. They 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. Students use matrices to represent translations, reflections, rotations, dilations, and their compositions; derive and apply the basic trigonometric identities; relate graphical and algebraic representations of lines, simple curves, and conic sections. Students recognize and compare specific shapes and properties in multiple geometries; analyze the behavior of arithmetic and geometric sequences and series as the number of terms increases; translate between the numeric and symbolic form of a sequence or series. They 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 area under a curve over a bounded interval by partitioning the region with rectangles; translate freely between polar and Cartesian coordinate systems; use the concept of limit to find instantaneous rate of change for a point on a graph as the slope of a tangent at a point. They 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.

MATH Advanced Math EMIS Code: 110099

●AP CALCULUS AB (1 CREDIT)

The study of AP Calculus AB is designed for students who want to extend their knowledge of mathematics and to broaden their success in solving problems intuitively. Throughout the thirty-six units of this course, students rigorously explore, discover, and reinforce rich mathematics topics and applications of calculus concepts. This course intends to give students a “true” understanding and interpretation of calculus concepts and enable them to apply their knowledge in varied problem-solving scenarios, both real and simulated. Students complete many in-depth investigations and often use the Ti-Nspire graphing calculator as a tool to complete their investigations. Students have ample opportunities to express and connect problem-solving result, graphically, numerically, analytically, and verbally. The culminating activity in this course is the completion of the AP Calculus AB exam successfully.

MATH AP Calculus EMIS Code: 110099

GRADE 9—12

MATHEMATICS

●BUSINESS MATH I (½ CREDIT)

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

● 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 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. 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 problems involving right triangle trigonometry.

MATH Algebra Extended EMIS Code: 110301

MATH Algebra I

MATHCP Algebra I

MATHCR Algebra I

GRADE 9—12

MATHEMATICS

●ALGEBRA II (1 CREDIT)

In this course consisting 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. Students 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. 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 measures of central tendency and variation.

MATH CP Algebra II EMIS Code: 110302

MATH Algebra II

MATHCR Algebra II

●CP CALCULUS (1 CREDIT)

This course consists of thirty-six units and covers topics similar to those explored in an entry-level, college Calculus course, such as those offered at most colleges or universities. It is written by the Ohio Academic Content Standards and includes such topics as Limits, Rates of Change, Differentiation, Functions of Derivatives, Indefinite and Definite Integrals, Areas in a Plane, Volumes of Generated Solids, L'Hôpital's Rule, and Slope Fields. This course can be demanding at times; however, when explored with an open mind, Calculus can be an enjoyable challenge.

MATHCP Calculus EMIS Code: 110099

GRADE 9—12

MATHEMATICS

●GEOMETRY (1 CREDIT)

In this course consisting 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

● INTEGRATED MATH I (1 CREDIT)

In this course of thirty-six units, students connect physical, verbal, and symbolic representations of the real number system; investigate properties including closure; estimate, compute, solve, and judge reasonableness of problems with real numbers, including ratio, proportion, percent, integers, rational numbers, numbers expressed in scientific notation, and square roots of perfect and non-perfect squares. They generalize patterns and sequences and apply formulas to real-world problem situations. Students solve and graph linear equations and inequalities; compute polynomials; define functions; determine slope and intercepts; draw graphs of linear equations and inequalities, and explore simple quadratic equations. They graph solutions to equations; use coordinate geometry to analyze properties of two-dimensional figures and perform translations, reflections, rotations, and dilations; define basic trigonometric ratios in right triangles, and apply proportions to solve problems involving right triangle trigonometry. Students apply direct and indirect measurement techniques, tools, and derivation of formulas to determine the perimeter, area, volume, and various attributes of plane and solid geometric figures. They use measures of center and spread to analyze data; evaluate the change of data and display it appropriately in graphs; make predictions based on samples representative of a larger population; 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.

MATH Integrated Math I EMIS Code:110010

MATHCR Integrated Math I

GRADE 9—12

MATHEMATICS

●INTEGRATED MATH II (1 CREDIT)

In this course of thirty-six units, students study the topics presented in geometry but in a modified format. On occasion, students find that problems and/or explanations have been adapted to a simpler format. Students are given extra guidance with more difficult problems. 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 the 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.

MATH Integrated Math II EMIS Code: 110020

MATH CR Integrated Math II

●INTEGRATED MATH III (1 CREDIT)

In this course of thirty-six units, students study the topics presented in algebra but in a modified format. On occasion, students find that problems and/or explanations have been adapted to a simpler format. Students are given extra guidance with more difficult problems. In this course, students review 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 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; investigate exponential growth and decay and use recursive functions to model and solve problems. They 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. Students 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.

MATH Integrated Math III EMIS Code: 110030

MATH CR Integrated Math III

GRADE 9—12

MATHEMATICS

●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

●AIR ALGEBRA I(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.

CA 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.

CA Geometry

●APPLICATIONS OF MATH (½ CREDIT)

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

MATH Applications of Math EMIS Code: 119999

MATHCR Applications of Math

GRADE 9—12

SCIENCE

●ADVANCED BIOLOGY (1 CREDIT)

The thirty-six units of this course emphasize the concepts, principles, and theories that enable people to understand the living environment. Students further develop their basic biological knowledge and demonstrate the application of biological 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. This course also provides an emphasis on the six kingdoms of the classification of living organisms, the concepts of evolution, and the diversity and interdependence of life. Embedded throughout this study 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 Advanced Biology EMIS Code:132330

●AVIATION (½ CREDIT)

This eighteen-unit course explores the world of flight and gives a basic overview of what is involved in learning to fly an airplane. Students have the opportunity to learn about the beginning of aviation and some of its major milestones. They also study key individuals who have influenced the advancement of aviation throughout history. The development of airplane design and navigation equipment is also stressed. Throughout the course, students apply and strengthen their scientific, mathematical, and technological skills in practical ways.

SCI Aviation

●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

GRADE 9—12

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

●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, idea, or theories.

SCI Environmental Science EMIS Code: 132350

SCICR Environmental Science

●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 engage in activities that relate 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.

SCI Forensic Science EMIS Code: 139997

GRADE 9—12

SCIENCE

- **INTEGRATED SCIENCE (½ CREDIT)**

In this eighteen-unit course, students learn about cell specialization, biotechnology, DNA, evolutionary theory, the equilibrium of systems, electromagnetic radiation, isotopes, radioactive decay, and concepts of forces and motion as applied to large and small objects and energy levels. Integrated with these topics are historical perspectives, the process of inquiry, the nature of science, ethical practices, and the use of appropriate technology. Students apply the principles of forces and motion. They also describe and predict the net effects of forces and motion of objects or systems. Students explore scientific research, scientific literature, and the relationship between science and society.

SCI Integrated Science EMIS Code: 139997

●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.

SCI Marine Biology EMIS Code: 139998

●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

●PHYSICAL SCIENCE (1 CREDIT)

Throughout the thirty-six units of this course, students learn about a variety of topics. Some broad areas of-fered 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

GRADE 9—12

SCIENCE

●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

●AP PHYSICS W/ LAB (1 CREDIT)

This course, consisting of thirty-six units, is designed to assist students in developing a deeper understanding of the foundations of physics and is based on guidelines established by the College Board. Students design and conduct inquiry-based laboratory investigations to solve problems through first-hand observations, data collections, analysis, and interpretation. They develop thinking skills by applying methods of differential and integral calculus to formulate physical principles and to solve complex physical problems. The culminating activity in this course is the successful completion of the AP Physics exam.

SCI AP Physics EMIS Code: 132325

GRADE 9—12

SOCIAL STUDIES

●AMERICAN GOVERNMENT (1 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 negation 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

●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 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.

SS American History EMIS Code: 150810

SSCR American History

●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

GRADE 9—12

SOCIAL STUDIES

●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

SS CR 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**

● GAMES THROUGH THE AGES (½ CREDIT)

In this eighteen-unit course, students learn that games reflect the social, religious, political, and economic elements of every society's culture. They also have the opportunity to reconstruct 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 are compared and contrasted. The course includes several projects that students must photograph and send to the instructor.

SS Games Through the Ages EMIS Code: 159999

●GEOGRAPHY (½ CREDIT)

In this eighteen-unit course, students have the opportunity to study the interaction between people and cultures, as well as natural and physical environments, around the globe. The course is designed to familiarize students with the world and how they, along with 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

GRADE 9—12

SOCIAL STUDIES

● 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 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.

SS Sociology EMIS Code: 151300

SSCR Sociology

● 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.

SS Student Leadership EMIS Code: 159999

●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.

SS World History EMIS Code: 150890

SSCR World History

GRADE 9—12

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.

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, 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.

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. Students learn to analyze a problem and to apply the appropriate technological approach for solving that problem.

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 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.

TECH Digital Citizenship EMIS Code: 299999

TECHCR Digital Citizenship

GRADE 9—12

TEST PREPARATION

●ACT PREPARATION 13TH 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 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 elements of testing.

ACT Workkeys

●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 define geometric figures and apply the properties of similar and congruent figures; recognize and apply angle relationships involving intersecting lines, perpendicular lines, and parallel lines; use coordinate geometry to examine the properties of geometric figures including slope, midpoint, distance, parallel, and perpendicular lines. They perform translations, reflections, rotations, and dilations; define basic trigonometric ratios in right triangles and apply proportions to solve problems involving right triangle trigonometry. 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 Math EMIS Code: 300030

GRADE 9—12

TEST PREPARATION

●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 topics 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 Science EMIS Code: 300030

●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.

OGT Social Studies 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, management of study time, 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 is administered to assess the student's knowledge at the end of each unit. When students finish the course, they are asked to compile a portfolio of study skills and strategies.

CT Study Skills EMIS Code: 300030

GRADE 9—12

WORLD LANGUAGE

●FRENCH I (1 CREDIT)

In this course consisting of thirty-six units, students develop the knowledge and skills to begin communicating in the target language. They speak, listen, 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 French I EMIS Code: 060230

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

LANG French II EMIS Code: 060230

●FRENCH III (1 CREDIT)

In this course consisting of thirty-six units, students initiate and sustain conversations by making statements, asking questions, and giving appropriate responses. They communicate using correct time frames on everyday topics, both orally and in writing. When writing, students compose cohesive paragraphs related to familiar topics and personal experiences. Students develop an understanding of main ideas and significant details in extended discussions and presentations, both live and recorded. They acquire new knowledge and information from texts, including short literary texts and media. Students continue to expand their knowledge and understanding of the cultural significance of the target language.

LANG French III EMIS Code: 060230

●FRENCH IV (1 CREDIT)

In this course consisting of thirty-six units, students speak and write in French. They learn to initiate, sustain, and bring to closure a wide variety of communicative tasks using appropriate time frames. They expand comprehension skills that allow them to acquire knowledge and information from authentic texts, including literary texts and media. Students continue to develop insight into the nature of the French language and culture.

LANG French IV EMIS Code: 060230

GRADE 9—12

WORLD LANGUAGE

●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 have the opportunity to hear the proper pronunciation of Latin words or phrases and to record themselves reading aloud in Latin. Because the 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 dealing with 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 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.

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 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.

LANG Spanish IV EMIS Code: 060265

GRADE 9—12

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.

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, 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.

LANG American Sign Language II EMIS Code: 061050

BRIGHTWAY CENTER

Brightway Center provides diverse programs and activities, both secular and non-secular that interest our youth with priority given to students grades 6-12. Core programs and events enhance the development of our youth by emphasizing moral character and ethical leadership. The program delivery system is flexible, and programs can be provided onsite or offsite as well as online. Our programming philosophy is built on three building blocks: mind, body, and spirit.

***Separate fee for Brightway Center courses

•DECISION MAKING (¼ CREDIT)

In this nine-unit course, students learn about the decision-making process and the importance of evaluating the consequences of their choices. They are also encouraged to select options that reflect long-range planning, core beliefs, and values.

BWC Decision Making

•HEALTHY RELATIONSHIPS (¼ CREDIT)

In this nine-unit course, students examine both healthy and unhealthy relationships. There are tips on dealing with unhealthy relationships and making good relationships even better.

BWC Healthy Relationships

•TEEN DATING (¼ CREDIT)

Romantic relationships are major, developmental milestones in the lives of teens. In this nine-unit course, students consider what they want in a dating relationship. The course also defines attraction, closeness, commitment, and abusive behavior.

BWC Teen Dating

•SOCIAL MEDIA RESPONSIBILITY (¼ CREDIT)

This nine-unit course stresses social media etiquette and offers numerous tips for staying safe while engaging with others online. Students are encouraged to be smart, alert, and kind when using social media websites.

BWC Social Media Responsibility

PROFESSIONAL DEVELOPMENT:

CAIRO SECURITY SOLUTIONS

Cairo Security Solutions offers active-shooter consulting and training to assist in preparing school districts and other organizations for such an event. Their programs encourage staff members to think about security, to plan a comprehensive response and ultimately to save lives.

***Separate fee for Cairo Solutions courses.

•ACTIVE SHOOTER TRAINING

Presented by Joel Gensler and Dallas Saunders, the active shooter preparedness course is divided into six modules. Each module includes information specific to active shooter incidents and covers a specific planning step to equip participants better to develop and implement a plan. The modules follow national preparedness guidelines. The course follows the national preparedness mission areas to organize the topics and the FEMA Comprehensive Preparedness guidance to cover the planning steps.

•SCHOOL BUS TRAINING

This three-module course, presented by Joel Gensler and Dallas Saunders, is designed to prepare school bus drivers for active shooter events. Itstresses the development of proper procedures and safety plans with the ultimate goal of saving lives. Participants also learn to recognize warning signs and to report these signs through appropriate channels.

PROFESSIONAL DEVELOPMENT:

INSTRUCTIONAL GROWTH

Instructional Growth Seminars and Support, founded by Carri Meek, offers a variety of specialized seminars and support plans to assist school leaders. The firm's services included professional development seminars, customized visitations, instructional audits, individual and team goal setting, classroom support, and coaching. The company's support model helps administrators and educators develop targeted strategies for new levels of achievement.

***Separate fee for Instructional Growth courses.

•SEMINARS AND SUPPORT

This introductory presentation describes the framework for the Instructional Growth model, which is based on a continuous cycle of growth mindset, climate, instruction, assessment, differentiation, and sustained support.

•PERFORMANCE LEVEL DESCRIPTORS ENGLISH LANGUAGE ARTS GRADE KINDERGARTEN

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in English Language Arts Grade Kindergarten.

•PERFORMANCE LEVEL DESCRIPTORS ENGLISH LANGUAGE ARTS GRADE 1

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in English Language Arts Grade 1.

•PERFORMANCE LEVEL DESCRIPTORS ENGLISH LANGUAGE ARTS GRADE 2

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in English Language Arts Grade 2.

•PERFORMANCE LEVEL DESCRIPTORS ENGLISH LANGUAGE ARTS GRADE 3

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in English Language Arts Grade 3.

•PERFORMANCE LEVEL DESCRIPTORS ENGLISH LANGUAGE ARTS GRADE 4

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in English Language Arts Grade 4.

PROFESSIONAL DEVELOPMENT:

INSTRUCTIONAL GROWTH continued

●PERFORMANCE LEVEL DESCRIPTORS ENGLISH LANGUAGE ARTS GRADE 5

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in English Language Arts Grade 5.

●PERFORMANCE LEVEL DESCRIPTORS ENGLISH LANGUAGE ARTS GRADE 6

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in English Language Arts Grade 6.

●PERFORMANCE LEVEL DESCRIPTORS ENGLISH LANGUAGE ARTS GRADE 7

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in English Language Arts Grade 7.

●PERFORMANCE LEVEL DESCRIPTORS ENGLISH LANGUAGE ARTS GRADE 8

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in English Language Arts Grade 8.

●PERFORMANCE LEVEL DESCRIPTORS ENGLISH LANGUAGE ARTS I

This course coordinates Ohio's Learning Standards, performance level descriptor, and AIR assessment examples based on Ohio's state testing specifications in English Language Arts I.

●PERFORMANCE LEVEL DESCRIPTORS ENGLISH LANGUAGE ARTS II

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in English Language Arts II.

●PERFORMANCE LEVEL DESCRIPTORS MATH GRADE KINDERGARTEN

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in Math Grade Kindergarten.

●PERFORMANCE LEVEL DESCRIPTORS MATH GRADE 1

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in Math Grade 1.

PROFESSIONAL DEVELOPMENT:

INSTRUCTIONAL GROWTH continued

•PERFORMANCE LEVEL DESCRIPTORS MATH GRADE 2

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in Math Grade 2.

•PERFORMANCE LEVEL DESCRIPTORS MATH GRADE 3

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in Math Grade 3.

•PERFORMANCE LEVEL DESCRIPTORS MATH GRADE 4

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in Math Grade 4.

•PERFORMANCE LEVEL DESCRIPTORS MATH GRADE 5

This course coordinates Ohio's Learning Standards, performance level descriptor, and AIR assessment examples based on Ohio's state testing specifications in Math Grade 5.

•PERFORMANCE LEVEL DESCRIPTORS MATH GRADE 6

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in Math Grade 6.

•PERFORMANCE LEVEL DESCRIPTORS MATH GRADE 7

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in Math Grade 7.

•PERFORMANCE LEVEL DESCRIPTORS MATH GRADE 8

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in Math Grade 8.

•PERFORMANCE LEVEL DESCRIPTORS ALGEBRA

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in Algebra.

•PERFORMANCE LEVEL DESCRIPTORS GEOMETRY

This course coordinates Ohio's Learning Standards, performance level descriptors, and AIR assessment examples based on Ohio's state testing specifications in Geometry.