



**Missouri Course Access and Virtual School Program (MOCAP)  
Missouri Digital Academy-Laquey R5 School District  
Course Descriptions - With Instruction**

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Course Name	Course Description
<b>Kindergarten Full Time</b>	
Art	Students will: Learn about important paintings, sculpture, and architecture, Study the works of artists like Henri Matisse, Joan Miró, Rembrandt van Rijn, Ando Hiroshige, Paul Cézanne, Pablo Picasso, and Faith Ringgold.
English Language Arts	In this course, students receive structured lessons on readiness skills through emphasis on phonics, language skills, literature, and handwriting to help develop comprehension, build vocabulary, and promote a lifelong interest in reading.
Math	The course introduces Kindergarten students to numbers through 30. Students learn through reading, writing, counting, comparing, ordering, adding, and subtracting. They experience problem solving and encounter early concepts in place value, time, length, weight, and capacity. They learn to gather and display simple data. Students also study two- and three-dimensional figures—they identify, sort, study patterns, and relate mathematical figures to objects within their environment.
Physical Education & Health	This year-long course provides a daily check in for students to log their required physical activity each day.
Science	Kindergarten students begin to develop observation skills as they learn about the five senses, the earth’s composition, and the basic needs of plants and animals.
Social Studies	The kindergarten Social Studies program teaches topics such as the meaning of national holidays, how people earn and use money, and ways students can help keep the country clean. By the end of the course, students will have a better understanding about what it means to live in the United States.
Spotlight on Music	This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, and authentic sound recordings. Music comes to life in the course through six units that are organized into three sections: Spotlight on Concepts, Spotlight on Music Reading, and Spotlight on Celebrations. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities, and cultural context. Students explore music from around the world while also exploring beat, meter, rhythm, melody, harmony, texture, form, tone color, dynamics, tempo, style, and music background.

### 1st Grade Full Time

Art	First grade art lessons introduce students to the art and architecture of different cultures, such as Mesopotamia and ancient Egypt, Greece, and China. Students will: Identify landscapes, still-lifes, and portraits. Study elements of art, such as line, shape, and texture.
English Language Arts	In this course, students receive structured lessons on readiness skills through emphasis on phonics, language skills, literature, and handwriting to help develop comprehension, build vocabulary, and promote a lifelong interest in reading.

Math	This course for students in Grade 1 extends their work with place value to numbers through 100, emphasizing fluency of addition and subtraction facts, and focusing on number sentences and problem solving with addition and subtraction. Students begin work with money, telling time, ordering events, and measuring length, weight, and capacity with non-standard units. Students identify attributes of geometric figures and also extend their work with patterns and data, including representing and comparing data.
Physical Education & Health	This year-long course provides a daily check in for students to log their required physical activity each day.
Science	Students learn to perform experiments and record observations, and understand how scientists see the natural world. They germinate seeds to observe plant growth, and make a weathervane.
Social Studies	The Summit Social Studies 1 program teaches how things in the United States work and how they have changed. This course covers topics on the presidents, pioneers, and the cultural traditions. By the end of the course, students will have a better understanding on how to get along in the world and what it means to be a good citizen.
Spotlight on Music	This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, and authentic sound recordings. Music comes to life in the course through six units that are organized into three sections: Spotlight on Concepts, Spotlight on Music Reading, and Spotlight on Celebrations. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities, and cultural context. Students explore music from around the world while also exploring beat, meter, rhythm, melody, harmony, texture, form, tone color, dynamics, tempo, style, and music background.

## 2nd Grade Full Time

Art	2nd grade art lessons introduce students to the art and architecture of ancient Rome, medieval Europe, Islam, Mexico, Africa, China, and Japan. Students will: Examine elements and principles of art, such as line, shape, pattern, and more. Study and create self-portraits, landscapes, sculptures, and more.
English Language Arts	English Language Arts 2 Summit provides a well-balanced approach to literacy that connects reading, writing, grammar, word study (including vocabulary and spelling), and handwriting into one integrated program. Students learn about grammar, usage, and mechanics and apply those skills as they write, revise, and proofread their work. Students grow their vocabulary by learning the meanings of words from the reading selections, as well as their ability to determine word meanings.
Math	Summit Math 2 focuses on numbers through 1,000; time and money; two-digit addition and subtraction; length; story problems; shapes; number patterns; and data displays.
Physical Education & Health	This year-long course provides a daily check in for students to log their required physical activity each day.

Science	Students perform experiments to develop skills of observation and analysis, and learn how scientists understand the world. They demonstrate how pulleys lift heavy objects, make a temporary magnet and test its strength, and analyze the parts of a flower.
Social Studies	Students expand their map skills by using features of maps, including scale, direction, and location, to read maps and draw conclusions. They study people who influenced history as leaders, inventors, and trailblazers. Students discover cultures around the world and in their own communities. Students also learn the basic concepts and operations of the economy and are introduced to the basic principles of personal finance. Students describe the role of government and expand their understanding of how citizens contribute to their communities.
Spotlight on Music	This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, and authentic sound recordings. Music comes to life in the course through six units that are organized into three sections: Spotlight on Concepts, Spotlight on Music Reading, and Spotlight on Celebrations. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities, and cultural context. Students explore music from around the world while also exploring beat, meter, rhythm, melody, harmony, texture, form, tone color, dynamics, tempo, style, and music background.

### 3rd Grade Full Time

Art	3rd grade art lessons introduce students to the art and architecture of the Renaissance throughout Europe, including Italy, Russia, and Northern Europe. Students will: Extend their knowledge of elements and principles of art, such as form, texture, and symmetrical balance. Draw, paint, and sculpt a variety of works, including self-portraits, landscapes, and still-life paintings. Investigate artworks from Asia, Africa, and the Americas.
English Language Arts	Summit English Language Arts 3 provides a well-balanced approach to literacy that connects reading, writing, grammar, vocabulary, and spelling into one integrated program. Each unit contains workshops that have one major focus (reading, writing, or word study) for instruction and reinforcement of big ideas.
Math	This course focuses on reviewing patterns and number sense; discovering addition, subtraction, multiplication, and division strategies; exploring shapes and calculating area; learning about fractions and equivalent fractions; measuring time, length, liquid volume, and mass; and exploring and making data displays.
Physical Education & Health	Students exercise daily with workouts tailored to coordinate with the topics they are reading and learning about in the online component of the course. Topics include: components of fitness, health, safety, team sports, individual activities, rhythm, and character.
Science	Students learn to observe and analyze through hands-on experiments, and gain further insight into how scientists understand our world. They observe and chart the phases of the moon, determine the properties of insulators and conductors, and make a three-dimensional model of a bone.
Social Studies	Third graders explore the world around them through the lens of diverse social studies concepts and topics. Students then investigate the regions of the country, studying



	<p>their physical and human features, history, and culture. They describe how culture changes and adapts to meet human needs as they explore cultures around the world and in their communities. Students learn about the founding documents and principles of America’s government to see how state, local, tribal, and national governments operate. They learn that citizens have rights, responsibilities, and civic duties. Students expand their understanding of basic principles of economics and the importance of saving and budgeting for personal financial health.</p>
Spotlight on Music	<p>This hands-on music course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings with famous past and present artists, a player that allows students to customize key signatures, tempo, and lyrical highlighting, and playing the recorder. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities and cultural context, while exploring music from all over the world. Students also learn to read music and explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.</p>

#### 4th Grade Full Time

Art	<p>4th grade art lessons introduce students to the artists, cultures, and great works of art and architecture from French and American Revolutions through modern times. Students will: Study and create artworks in various media, including portraits, quilts, sculpture, collage, and more. Investigate the arts of the United States, Europe, Japan, Mexico, and Africa. Learn about Impressionism, Cubism, Art Nouveau, Regionalism, and more.</p>
English Language Arts	<p>This course provides a well-balanced approach to literacy that connects reading, writing, grammar, vocabulary, and spelling into one integrated program. Students read independently in a variety of genres and formats—fiction, poetry, drama, nonfiction, and magazines—before exploring each text through various activities; they analyze model writing samples and then work through the writing process to develop original compositions of their own; they learn grammar, usage, and mechanics and apply those skills as they revise and proofread their work. Students grow their vocabulary by learning the meanings of groups of conceptually related words and learn to focus on spelling patterns that are necessary to be fluent, proficient readers, writers, and spellers.</p>
Math	<p>Math 4 focuses on expanding understanding of operations with whole numbers, developing a greater understanding of fractions, discovering decimals and their relationship to fractions, and exploring geometric figures.</p>
Physical Education & Health	<p>Students exercise daily with workouts tailored to coordinate with the topics they are reading and learning about in the online component of the course. Topics include: components of fitness, health, safety, team sports, individual activities, rhythm, and character.</p>
Science	<p>Students develop scientific reasoning and perform hands on experiments in Earth, Life, and Physical Sciences. They construct an electromagnet, identify minerals according to their properties, use chromatography to separate liquids, and assemble food webs.</p>

Social Studies	This course takes students from the arrival of the first people in North America through the Civil War and Reconstruction. Lessons integrate topics in geography, civics, and economics. Students investigate Native American civilizations; follow the path of European exploration and colonization; assess the causes and consequences of the American Revolution; examine the Constitution and the growth of the new nation; and analyze what led to the Civil War and its aftermath.
Spotlight on Music	This hands-on music course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings with famous past and present artists, a player that allows students to customize key signatures, tempo, and lyrical highlighting, and playing the recorder. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities and cultural context, while exploring music from all over the world. Students also learn to read music and explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.

## 5th Grade Full Time

Art	This course introduces students to the artists, cultures, and great works of art and architecture of North America, from pre-Columbian times through 1877. Students will: Study and create various works, both realistic and abstract, including sketches, masks, architectural models, prints, and paintings and Investigate the arts of the American Indians, and Colonial and Federal America.
English Language Arts	This course provides a well-balanced approach to literacy that connects reading, writing, grammar, vocabulary, and spelling into one integrated program. students analyze model writing samples and then work through the writing process to develop original compositions of their own. Students learn grammar, usage, and mechanics and apply those skills as they revise and proofread their work, grow their vocabulary by learning the meanings of groups of conceptually related words, learn to focus on spelling patterns that are necessary to be fluent, proficient readers, writers, and spellers.
Math	This course focuses on expanding understanding of operations with fractions, developing a greater fluency with operations with multi-digit numbers, expanding understanding of decimals, and learning to perform operations with decimals, learning about the coordinate plane, and exploring volume.
Physical Education & Health	Students will develop the knowledge and skills they need to make positive fitness decisions to stay active, safe, and informed, as teenagers and adults. The lessons and activities introduce important aspects of physical health and fitness and focus on helping students learn new fitness skills and stay active. Students will set fitness goals and assess their progress throughout the course. Students will use daily Fitness Plans to guide their physical activity and Fitness Logs to track their activity.
Science	Students perform experiments, develop scientific reasoning, and recognize science in the world around them. They build a model of a watershed, test how cell membranes function, track a hurricane, and analyze the effects gravity.
Social Studies	This course provides a detailed discussion of a range of social studies concepts. With an emphasis on the Western Hemisphere, lessons cover topics in history, geography,

	government, and economics. Students begin by learning about timelines and historical thinking. They will then examine the early civilizations of the Americas, follow the paths of European explorers in the New World, and investigate the causes and effects of colonization. Next, the course guides students through geographic topics, including maps, globes, locations, and regions. Students will then learn about human systems, public issues, and different forms of government. The course next examines the economic concepts of decision-making, scarcity, production, consumption, and interdependence. Finally, students will learn about jobs and career paths
Spotlight on Music	This hands-on music course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings with famous past and present artists, a player that allows students to customize key signatures, tempo, and lyrical highlighting, and playing the recorder. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities and cultural context, while exploring music from all over the world. Students also learn to read music and explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.

## 6th Grade Full Time

Earth Science	Students will explore topics such as the fundamentals of geology, oceanography, meteorology, and astronomy; Earth’s minerals and rocks; Earth’s interior; plate tectonics, earthquakes, volcanoes, and the movements of continents; geology and the fossil record; the oceans and the atmosphere; the solar system and the universe.
English Language Arts 6	Students read and analyze a variety of informational and fictional texts. Instruction and reading strategies help engage students in the text and sharpen their comprehension. Students study vocabulary, grammar, usage, and mechanics; and practice sentence analysis, sentence structure, and proper punctuation.
Intermediate Global Studies	Beginning with the study of geographic themes that provide a framework to analyze different parts of the world, students turn their focus to each geographical region of the world—North America; South America; Europe; Asia; Africa; and Oceania, Australia, New Zealand, and Antarctica. They learn more about the physical and cultural traits that makes each region unique and study their commonalities as well. Students also look at issues such as trade, globalization, the environment, conflict, and other topics that influence the world today.
Math 6	Students deepen their understanding of multiplication and division of fractions to apply their knowledge to divide fractions by fractions. Students gain a foundation in the concepts of ratio and rate as an extension of their work with whole number multiplication and division. Students make connections among area, volume, and surface area, and continue to lay the groundwork for deep algebraic understanding by interpreting and using expressions and equations.
Physical Education & Health 6	This course introduces students to health-related fitness components, dance, team sports, and lifetime activities. Students learn the essential principles to live a healthy, active lifestyle. The lessons give students exposure to many activities that can be incorporated into their daily lives.

## 7th Grade Full Time

English Language Arts 7	Students study a variety of media to understand informational and persuasive techniques, explicit and implied messages, and how visual and auditory cues affect messages. Grammar, usage, and mechanics skills are deepened. Students continue to widen their vocabulary and apply acquisition strategies.
Life Science	Students explore an amazing variety of organisms, the complex workings of the cell and cell biology, the relationship between living things and their environments, and discoveries in the world of modern genetics. Students tackle such topics as ecology, microorganisms, animals, plants, cells, animals, species, adaptation, heredity, genetics, and the history of life on Earth.
Math 7	Students focus on real-world scenarios and mathematical problems involving algebraic expressions and linear equations and begin to apply their understanding of rational numbers with increased complexity. Students also develop and apply understandings of proportional relationships.
Physical Education & Health 7	This course introduces students to diverse activities and learn a wide variety of fitness concepts that they can use in their everyday lives. Students learn skills for lifelong activities, such as strength training and power walking, as well as several options for aerobic activities. They are able to measure their progress and accomplishments through the completion of fitness tests.
World History 1	The course focus is the story of the human past and change over time, including the development of religion, philosophy, the arts, and science and technology. Geography concepts and skills are introduced as they appear in the context of the historical narrative. Students explore what archaeologists and historians have learned about the earliest hunter-gatherers and farmers, and then move to a study of the four river valley civilizations.

## 8th Grade Full Time

American History to 1877	This course covers from the first arrival of people in North America through the Civil War and Reconstruction. Lessons integrate topics in geography, civics, and economics. Students investigate Native American civilizations; follow the path of European exploration and colonization; assess the causes and consequences of the American Revolution; examine the constitution and the growth of the new nation; and analyze what led to the Civil War and its aftermath.
English Language Arts 8	The course focuses on interpretation of literary works, analysis of informational texts, and the development of oral and written communication skills. Analysis of the structure and elements of informational texts and media helps students develop the skills needed for academic success. Students continue to acquire knowledge and skills in grammar, usage, mechanics, and vocabulary.
Math 8	Students are prepared for more advanced study in algebra as students solve linear equations and systems of equations, work with radical and integer exponents, gain conceptual understanding of functions, and use functions to model quantitative relationships.
Physical Education & Health 8	Students are exposed to various physical activities and fitness concepts that contribute to their overall physical activity level. Skills and concepts include target heart rate, the

	basics of fitness testing, goal setting, flexibility, aerobic/anaerobic exercise, strength training, and other individual games and activities, as well as team sports.
Physical Science	The course provides an overview of the physical world and gives students tools and concepts to think clearly about matter, atoms, molecules, chemical reactions, motion, force, momentum, work and machines, energy, waves, electricity, light, and other aspects of chemistry and physics. Students study the structure of atoms; the elements and the Periodic Table; chemical reactions; forces, including gravitational, motion, acceleration, and mass; and energy, including light, thermal, electricity, and magnetism.

### Middle School Electives (Choose 1 for Fall Semester)

Intermediate American Art 2	This course introduces the artists, cultures, and great works of American art and architecture from the end of the Civil War through modern times. Students will investigate paintings done in various styles, from impressionist to pop; learn about modern sculpture and folk art; discover how photographers and painters have inspired one another; examine examples of modern architecture, from skyscrapers to art museums; and create artworks inspired by works they learn about.
Spotlight on Music 6	This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings and playing the recorder. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities and cultural context. Students explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.
Intermediate World Art 1	Course provides an introduction to the artists, cultures, and great works of world art and architecture from ancient through medieval times. Students will investigate how artists from different civilizations used various techniques, from painting to mosaic; examine elements of design and styles of decoration, from the spiral to the solar disk; and explore some of the best-preserved works from ancient tombs, including the treasures of Egypt's King Tut.
Spotlight on Music 7	This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings and playing the recorder. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities and cultural context. Students explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.
Intermediate World Art 2	Course includes introduction to the artists, cultures, and great works of world art and architecture from the Renaissance through modern times. Students will study various works of art from the Renaissance and beyond; discover great works of art and see how they influenced later artists; compare and contrast works from many civilizations, from paintings to sculpture, architecture, book covers, prints, and more; and create artworks inspired by works they learn about.
Spotlight on Music 8	This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings and playing the recorder. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities and cultural context. Students explore beat, meter, rhythm,

	melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.
Middle School Careers Explorations 2	Students explore more careers and what it takes to succeed in them. They learn more about what steps to take to prepare for a career and how to compare the pros and cons of different career choices. Students get the chance to try out parts of different careers to see what is a good fit.
Middle School Photography	Students will learn what it takes to create a good photograph and how to improve photographs of animals, people, and vacations. They will also begin working with their photographs using photo-editing software.
Middle School Spanish 1	Students begin their introduction to Spanish by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, and cultural presentations that reinforce vocabulary and grammar.
Middle School Computer Literacy	In this course, students become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications. Students gain practice in using key applications such as word processing, spreadsheet, and presentation software, as well as understand social and ethical issues around the Internet, information, and security.

## High School Courses

Algebra I	In this course, students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions.
Algebra I A Credit Recovery	Self-paced credit recovery course where students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions.
Algebra I B Credit Recovery	Self-paced credit recovery course where students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions.
Algebra II	Students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students model situations and solve equations, including solving quadratic equations and solving exponential equations using the properties of logarithms.
Algebra II A Credit Recovery	Self-paced credit recovery course where students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students model situations and solve equations, including solving quadratic equations and solving exponential equations using the properties of logarithms.

Algebra II B Credit Recovery	Self-paced credit recovery course where students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students model situations and solve equations, including solving quadratic equations and solving exponential equations using the properties of logarithms.
American Literature	In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. These works provide opportunities for text analysis, critical writing, creative projects, and discussion.
American Literature A Credit Recovery	Self-paced credit recovery course where students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. These works provide opportunities for text analysis, critical writing, creative projects, and discussion.
American Literature B Credit Recovery	Self-paced credit recovery course where students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. These works provide opportunities for text analysis, critical writing, creative projects, and discussion.
Art Appreciation	This course will introduce learners to the various forms of the visual arts, such as painting, sculpture, film, and more. Students will learn how to look at a work of art, identify and compare key characteristics in artworks, and understand the role art has played throughout history.
Astronomy I	Astronomy's history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe is covered. The study of galaxies, stars, and the origin of the universe is also studied.
Biology	In this comprehensive course, students investigate the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology.
Biology A Credit Recovery	In this credit recovery course, students investigate the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology.
Business & Marketing Explorations	This course is a Project Based Learning course (PBL). This course is designed as an exploration of the business career pathways. Students will get an introduction to business careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of business and marketing, as well as career options in each area. Students study the concepts of marketing, financial management, and human resource management, in addition to other common business related functions. Students complete projects to develop a deeper understanding of the roles these business functions play.
Business Ownership 1	In this course, you'll learn the skills you'll need in order to take your dream and transform it into a successful business. You'll explore foundations like generating ideas to qualifying opportunities, analyzing the market, and identifying skills for successful deployment. You'll learn to keep your business rolling and growing through effective

	workplace leadership and training while incorporating technological innovations to keep your business competitive.
Business Ownership 2	You've defined your business and made a plan to launch your vision, and now, it's time to turn that business into a well-oiled machine! In this course, you'll familiarize yourself with tried-and-true strategies for success! You'll distinguish market segments, develop the appropriate market mix, brand your business, create a top-notch customer service environment, and calculate financial factors for the crucial first year- and every year after! Owning a booming business doesn't happen by accident. Let's learn what it takes and execute on the essentials to turn your business vision into a reputable reality!
Career Planning	Students use an informative interactive process to explore career and life options in this one-semester elective. They begin with a thorough examination of their own interests, aptitudes, achievements, and personality styles. Instructional material then helps them match job market information, interview techniques, training requirements, and educational paths to potential careers that suit their strengths and personal priorities. Successfully completing this course gives students the ability to identify and describe their personal interests, aptitudes, and lifestyle goals; locate and evaluate information about different careers; identify the skills and knowledge needed for careers of interest and how to obtain them; and create an entrepreneurial business plan.
Career Preparation	This course provides students with the tools, guidance, and opportunity to create and follow a career path. Students will conduct a personal exploration to determine their strengths and identify potential career pathways that align with their personality and interests. Students will hone their skills in securing a career by learning job search techniques, how to complete job applications, creating a resume, interview preparation and the development of a career portfolio. Finally students learn the importance of being responsible and productive employees by learning employability skills, workplace etiquette, conflict management, as well as valuable life skills.
Chemistry	The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry.
Chemistry A Credit Recovery	The credit-recovery course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry.
Child Development	This course introduces students to the unique qualities of young children from infants to age eight, and demonstrates how to work with each child in ways that correspond with their developmental level, and their social and cultural environment. The course includes learning theories and research as well as information about the importance of play and technology in a young child's learning process. Other topics covered include readiness, assessment, working with children and families from diverse cultures, working with children with special needs, and the early stages of reading, writing, and general cognitive development.
Child Growth, Guidance, and Care	The Child Guidance course is a technical laboratory course that addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use



these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society and pursue careers related to the care, guidance and education of children, including those with special needs.

Cooperative Education I

The Cooperative Occupational Education program will allow you to earn course credit for working at your part-time job! In the "Cooperative Occupational Education" (Co-Op) program, you would take 2 courses and receive a half elective credit for each course. One class has asynchronous classwork (assignments) with no live classes to help you develop your career readiness skills and one class gives you time to work at your job. You would receive two separate grades-one based on your progress and completion of assignments in the classwork and one based on your performance at your job. You must already have a part-time job prior to applying for this program and you must remain employed throughout the semester to qualify for this program.

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Cooperative Education II

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Cooperative Education III

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Cooperative Education IV

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Creative Writing	Students explore a range of creative writing genres, including fiction, poetry, creative nonfiction, drama, and multimedia writing. They study examples of classic and contemporary selections, apply what they learn, and develop proficiency in the writing process.
Cybersecurity I	This course teaches students foundational cybersecurity topics including digital citizenship and cyber hygiene, the basics of cryptography, software security, networking fundamentals, and basic system administration. Students will complete projects at the end of each module, and a culminating course project completing a simulated hack walkthrough. Students will learn basic SQL, and will utilize basic HTML and JavaScript within specific contexts and will be provided supports within those contexts.
Developmental Algebra	This is the first course in a two-year algebra sequence that concludes with Continuing Algebra . In this course, students begin to explore the tools and principles of algebra. Students learn to identify the structure and properties of the real number system; complete operations with integers and other rational numbers; work with square roots and irrational numbers; graph linear equations; solve linear equations and inequalities in one variable; and solve systems of linear equations. Sophisticated virtual manipulatives and online graphing tools help students visualize algebraic relationships. Developmental Algebra covers fewer topics than a one-year algebra course, providing students with more time to learn and practice key concepts and skills. After completing Developmental Algebra, students will be prepared to take Continuing Algebra.
Early Childhood Ed 1	Students will explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!
Early Childhood Education 2	Building on the previous prerequisite course, discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special need. Use this knowledge to develop your professional skills well suited to a career in childcare!
Educational Practices	This course can help prepare students for a career in education. The course will help students gain valuable knowledge over topics like leadership, learning styles, and how to create a successful learning environment.
Education and Training Explorations	The Education and Training Explorations course is designed for students to explore careers found in the Education and Training Career Cluster. Students in Education and Training Explorations will study a variety of topics, including professional skills and job responsibilities of various education job worker
English 10 (English II)	The course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works.

English 10 (English II) A Credit Recovery	Self-paced credit recovery course that includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works.
English 9 (English I)	This course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature.
English 9 (English I) A Credit Recovery	Self-paced credit recovery course that includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature.
English 9 (English I) B Credit Recovery	Self-paced credit recovery course that includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature.
English Foundations 1	Students build and reinforce foundational reading, writing, and basic academic skills typically found in third through fifth grade for which they have not achieved mastery. Through carefully paced, guided instruction and graduated reading levels, students improve reading comprehension and strategies, focusing on literacy development at the critical stage between decoding and making meaning from text. Instruction and practice in writing skills help students develop their composition skills in a variety of formats. If needed, students can continue their remediation of reading and writing skills with English Foundations II.
English Foundations 2	Students build and reinforce foundational reading, writing, and basic academic skills needed for success in high school. Struggling readers develop mastery in reading comprehension, vocabulary building, study skills, and media literacy. Students build confidence in writing fundamentals by focusing on composition in a variety of formats, grammar, style, and media literacy
Entrepreneurship I	In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!
Entrepreneurship 2	This course is a Project Based Learning course (PBL). Students build on the business concepts they learned in Entrepreneurship I. Students continue to explore the different functions of business, while refining their technology and communication skills in speaking, writing, networking, negotiating, and listening. The purpose of this course is to prepare students to launch a small business venture.
Find Your Path (Study Skills) I	Students explore their education and career interests, define goals, and create a path through high school that will get them there.

Find Your Path (Study Skills) II	Students explore their education and career interests, define goals, and create a path through high school that will get them there.
Find Your Path (Study Skills)III	Students explore their education and career interests, define goals, and create a path through high school that will get them there.
Fine Art	This course combines art history, appreciation, and analysis, while engaging students in hands-on creative projects. Lessons introduce major periods and movements in art history while focusing on masterworks and their intellectual, technical, and creative processes.
Food and Culture	This course introduces the student to international and ethnic-specific cuisines. It includes instructions on the psychological, cultural, and social influences on food choices in world cuisine. Availability of foods due to food production, food supply, legislation and regulations are discussed.
French I	Students begin their introduction to French by focusing on the four key areas of world language study: listening, speaking, reading, and writing.
French II	Students continue their study of French by expanding their knowledge of key vocabulary topics and grammar concepts. Students begin to comprehend listening and reading passages more fully, and they also express themselves more meaningfully in both speaking and writing.
French III	Students further deepen their understanding of French by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in both formal and informal spoken and written contexts. Students should expect to be actively engaged in their own language learning, use correct vocabulary terms and phrases naturally, incorporate a wide range of grammar concepts consistently and correctly while speaking and writing, participate in conversations covering a wide range of topics, respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various French speaking countries, read and analyze important pieces of literature, and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in French.
Geometry	Students explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include basic tools, transformations, proofs, and congruence.
Geometry A Credit Recovery	Self-paced credit recovery course where students explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include basic tools, transformations, proofs, and congruence.
Health	This course focuses on important skills and knowledge in nutrition; physical activity; the dangers of substance use and abuse; injury prevention and safety; growth and

	development; and personal health, environmental conservation, and community health resources. CPR is covered.
Healthcare Explorations	In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!
Health Science	Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and measles identified and diagnosed? Health sciences provide the answers to questions such as these. This course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas
Hospitality and Tourism	In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!
Hotel and Restaurant Management	In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!
Human Resources Management 1	Are you ready to step into a critical leadership role that oversees the development of every successful business' most valuable resource? In this course, you will wear the shoes of a Human Resource Management (HRM) professional and will learn how to build and manage a team to help a company reach its goals. You will also explore and perform some of the key responsibilities of a HRM professional: research, interviewing, reporting, recruiting, hiring, assessing employees, and more! Are you ready to help develop invaluable human resources that are the heart of a company and help your company thrive? Learn how to create a winning culture through human resources!
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Intro to Management	In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!
Intro To Teaching	This course exposes students to the realities of teaching while inspiring and welcoming them to a rewarding, high-impact career. Students reflect on the satisfaction and problems of teaching. Course content includes a balanced look at accountability issues such as standards, high-stakes testing and reform. Other topics include technology, cheating, bullying, sexual harassment and homophobia, diversity, vouchers, and legal issues.
IT Explorations	This course is designed as an exploration of the information technology career pathways. Students will get an introduction to information technology careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of information technology, as well as career options in each area. Students study the concepts of networking information support, web and digital communications, and programming and software development.
Legal Administration Specialist 1	Do you picture yourself working in a law office or maybe even in a courtroom someday? A rewarding career as a legal administrator means you are responsible for the day-to-day operations in a law firm, and therefore, need to learn the fundamentals of law. You'll need to understand the specifics of researching, creating, processing, filing legal documents, and more. Jumpstart your career in law by learning what it takes to be a legal admin.
Legal Administration Specialist 2	Wherever your legal admin career takes you, understanding the responsibilities of a law office requires strict attention to detail, communication skills, office competence, and legal savvy. What does a legal admin need to know and what duties do they perform? How do confidentiality, cybersecurity, and client relations look different in a legal office? Learn the answers to these questions and so much more for this exciting career with endless opportunities to prove your value, learn, and grow.
Management: Insight and Oversight	Every business and company needs management of some type. But what skills must you master in order to become an effective professional? Explore the ins and outs of this career, the responsibilities businesses have towards customers, and hiring the right employees. Gain an understanding of human resources (HR) to ensure job satisfaction and take action to ensure that all rules and laws are being followed. Learn how to become an effective manager in any field.
Marketing 1	Students find out what it takes to market a product or service in today's fast-paced business environment. They learn the fundamentals of marketing using real-world business examples. They learn about buyer behavior, marketing research principles, demand analysis, distribution, financing, pricing, and product management.
Medical Terminology I	In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the

	professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!
Medical Terminology II	This course simplifies the process of memorizing complex medical terminology by focusing on the important word parts—common prefixes, suffixes and root words—that provide a foundation for learning hundreds of medical terms. Organized by body systems, the course follows a logical flow of information: an overview of the body system's structures and functions, a summary of applicable medical specialties, and ultimately pathology, diagnostic, and treatment procedures.
Microsoft Office 1	This course is for students who wish to learn core skills in Microsoft Word and PowerPoint. Students work through real-world, hands-on projects to hone skills in formatting text, page layout, images, charts, and a vast variety of commonly used word processing and presentation tools. This course prepares students for the Microsoft Word 2019 Associate and Microsoft PowerPoint 2019 Associate certifications.
Microsoft Office 2	This course is for students who wish to learn core skills in Microsoft Excel, and Access. Students work through hands-on projects to hone skills in data entry and management, formula creation, email management and a vast variety of commonly used email, spreadsheet, and database tools. This course prepares students for the Microsoft Excel 2019 Associate certification.
Mobile Apps	Mobile Apps is a Code HS course that teaches students to create mobile apps using React Native, a popular platform-agnostic framework developed by Facebook and used by successful tech companies including Airbnb, Facebook, Instagram, Tesla, and more. Students will design and build applications to run smartphones and will use the latest tools and technologies available for mobile app development.
Music Appreciation	This course introduces students to the history, theory, and genres of music. The first semester covers basic music theory concepts as well as early musical forms. The second semester presents modern traditions.
Nutrition and Wellness	In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!
Office Administration 1	BUS330-PBL Introduction to Office Administration provides students with a cohesive introduction about the necessary skills and resources available to become an effective administrative professional in the workplace. For students looking for careers with excitement, variety, and autonomy, this course highlights the agency and fulfillment found in working as an administrative professional while exposing students to unique business structures like, C Corp, LLC, non-profits, etc.
Personal Finance	Students learn basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses.
Personal Finance CR	In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You'll also explore the necessary steps to chart your own career path from among the

	professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!
Personal Fitness 1	Students learn and practice principles of fitness, wellness, and health to develop habits of healthy living. Students will explore topics that include the physiology of diet and exercise, bio-mechanics, and team dynamics.
Physical Education	Students participate in weekly cardiovascular, aerobic, muscle-toning, and other activities. Students keep weekly logs of their physical activity. The course promotes the value of lifetime physical activity and instruction in injury prevention, nutrition and diet, and stress management
Physical Science	Students explore the relationship between matter and energy by investigating force and motion, the structure of atoms, the structure and properties of matter, chemical reactions, and the interactions of energy and matter; students develop skills in measuring, solving problems, using laboratory apparatuses, and adhering to experimental procedures
Pre Algebra	Students take a broader look at computational and problem-solving skills while learning the language of algebra. Students who have already succeeded in Middle School Pre-Algebra should not enroll in this course.
Principles of Education and Training	This course is designed to enable students to explore various career opportunities within the Education and Training Cluster, including the Teaching/Training Pathway, the Professional Support Services Pathway, and the Administration and Administrative Support Pathway. The course covers essential skills needed for success in the workplace, including decision making, teamwork and collaboration, conflict management, employability skills (e.g., problem solving, professionalism, and leadership), and ethics in business. In addition, the course covers subjects related to building a career and achieving success, such as career testing, higher learning, and portfolio development. Professional communication, effective written communication, and mathematics in various workplace settings are also discussed.
Professional Communications	In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!
Professionalism in Allied Health	In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!
Psychology	Students investigate why human beings think and act the way they do. This is an introductory course to psychology. Unit topics include: Methods of Study, Biological Basis for Behavior, Learning and Memory, Development and Individual Differences, and Psychological Disorders.

<p>Python Programming</p>	<p>This course teaches the fundamentals of computer programming as well as some advanced features of the Python language. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games. It is the first course in a two course sequence and should be completed before TCH343 Introduction to Python Programming 2. Once students complete the Introduction to Python course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program in Python.</p>
<p>ServSafe Food Handler Certification</p>	<p>In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!</p>
<p>Spanish I</p>	<p>Students begin their introduction to Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing</p>
<p>Spanish II</p>	<p>Students continue their study of Spanish by expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but also express themselves more meaningfully in speaking and writing</p>
<p>Spanish III</p>	<p>Students further deepen their understanding of Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concepts, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. These activities teach students to communicate with others through informal speaking and writing interactions and to express their thoughts and opinions in both formal and informal spoken and written contexts. Students should expect to be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations covering a wide range of topics; respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; read and analyze important pieces of Hispanic literature; and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in Spanish. The course has been carefully aligned to national standards as set forth by the American Council on the Teaching of Foreign Languages (ACTFL). In semester A, students explore verbs, false cognates, nature, vacation, music, technology, measurements, and clothing words. In semester B, students explore work, shopping and money words, expressions with por and para, relationship, love, social issues, and computer words.</p>

Understanding Child Development	In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds!
United States Government & Politics	This course covers US and state government. There is a strong civics component to this course. This course includes topics such as the nature of economics, demand and supply in the marketplace, business in the free enterprise system and government and the economy.
United States History	This course is a full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events
United States History A Credit Recovery	This credit recovery course is a full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events
United States History B Credit Recovery	This credit recovery course is a full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events
Virtual Reality	<p>Virtual Reality is a Code HS course that teaches students the basics of building virtual reality worlds using HTML and the A-Frame JavaScript Library. Through this course, students will build their own virtual reality worlds that are compatible with VR devices, including smartphone VR headsets.</p> <p>Every lesson is made up of short video tutorials, example programs, quizzes, programming exercises, challenge problems, and unit tests.</p>
Web Design	Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi page websites. Students will learn the foundations of user interface design, rapid prototyping and user testing, and will work together to create professional, mobile responsive websites, as well as foundational cybersecurity topics including digital citizenship and cyber hygiene, software security, networking fundamentals, and basic system administration.
World History	The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course introduces geography concepts and skills within context of the historical narrative.
World History A Credit Recovery	This credit recovery course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and

technology, and political history. The course introduces geography concepts and skills within context of the historical narrative.

World History B  
Credit Recovery

This credit recovery course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course introduces geography concepts and skills within context of the historical narrative.