



2025/26 Course Descriptions

**course list subject to change. Not all courses are available in all states.*

Course Name	Course Summary
Art K	In this course, the student will explore color, line, and shape. A combination of interactive and hands-on studio projects encourages the student to create art, sharpen fine motor skills, and explore areas of interest in art. Artistic modes include drawing, painting, assembling, and sculpting.
Art 1	In this course the student will develop and use skills in art, building on his knowledge about line, shape, and color. Your student will be introduced to other elements of art as well as to the principles of design. This course will enable your student to develop his creative side through the introduction of art media and the exploration of art themes. The activities in this course include practicing drawing, learning about color, creating designs using balance and patterns, and working with three dimensional forms.
Art 2	In this course, your student will continue to develop and use skills in art, building on his knowledge about line, shape, and color. Your student will be introduced to other art elements as well as to the principles of design. This course will enable your student to develop his creative side through the introduction of art media and through the exploration of art themes. The activities in this course include drawing, learning about color, creating designs using balance and patterns, and working with three-dimensional forms.
Computer Science 2 A	In Semester A of this course, the student will learn the principles of responsible internet use, fundamentals of computer systems, basic troubleshooting, and the practical use of data in a computing setting. Computing system and programming instruction is presented in close alignment with national CSTA K-12 Computer Science Standards. Throughout the core instruction, the student is prompted to explain basic computing concepts, master domain-specific terminology, and describe and use patterns to make predictions. Advanced concepts are broken down into easily understandable and applicable components that enable the student to conduct a simple data analysis. Together, the course elements of Semester A provide the student with a thorough and approachable introduction to the field of computer science.
Computer Science 2 B	In Semester B of this course, the student will apply their learning from the previous semester to approach more advanced computing topics such as decomposing problems, writing and editing algorithms, and creating and debugging computer programs. As with the previous semester, instruction is presented in close alignment with national CSTA K-12 Computer Science Standards. Students are presented with instruction on algorithms in the form of practical lists and steps, with real-world applications for creating, evaluating, and correcting, and finish the semester by using their knowledge to write a program in a block-based programming framework. Along with Semester A, the elements of Semester B provide the student with a solid foundation in computer science fundamentals that will prove invaluable in future computing, programming, and networking studies.
Educational Technology and Online Learning K	In this course, students will explore the features of a draw and paint program as a tool to support emerging reading, writing, and mathematics skills. They will locate letters and numbers on the keyboard. A study skills unit will introduce them to listening and visualization skills that will support learning across the school day. Students will recognize safe and responsible use of technology resources so that they can become model digital citizens.

Educational Technology and Online Learning 1	In this course, students build on foundational skills while using software to draw, type, and format text, and create presentations to support academic skills. Students learn listening and organizational skills and set attainable learning goals. Students become responsible users of technology as they learn about Internet safety and appropriate online behavior.
Educational Technology and Online Learning 2	In this course, students use appropriate technology tools and resources to complete projects, and solve problems. Students use software to draw, write, organize, and present information and data. Students learn listening and organizational skills and set attainable learning goals. Students become responsible users of technology as they learn about Internet safety and appropriate online behavior.
Experiencing Music I	Designed for students in grades K–2, this course explores differences between music and everyday sounds, and also how the body hears and responds to music. Aligning to the National Core Arts Standards, the course introduces skills that assist the student in making music individually and with another person. The student will identify instrument characteristics and sounds and begin to consider the way music of the student’s own culture might sound different to a person from another culture. With audio, visual, and interactive technologies, this course provides a unique and advanced learning experience.
Experiencing Music II	Designed for students in grades K–2, this course introduces basic components of music: melody and rhythm. Aligning to the National Core Arts Standards, the course teaches the student to explore an individual voice by creating beats and rhythms. In addition, the student will use critical listening skills to analyze music while participating in interactive experiences. With audio, visual, and interactive technologies, this course provides a unique and advanced learning experience.
Experiencing Music III	Designed for students in grades K–2, this course deepens the student’s understanding of the roles musicians play in today’s society. Aligning to the National Core Arts Standards, this course uses dynamic media to help the student discover a musical identity while expanding knowledge of the foundations of music. The student will apply foundational knowledge to different musical styles and literature. With audio, visual, and interactive technologies, this course provides a unique and advanced learning experience.
Language Arts K A & B	In this course, the student will learn, practice, and apply the fundamental skills and strategies that will provide the foundation to grow into a strong, fluent reader, writer, and communicator. Reading, writing, and language instruction are presented in close alignment with the Common Core State Standards (CCSS). Early in the semester students review the names of the letters of the alphabet. Daily instruction in phonics and spelling as well as high frequency words serves as a building block that enables the student to emerge as a reader. Core reading instruction gives the student the opportunity to listen to, read together, and read independently texts in a variety of literary and nonfiction genres. The instruction is presented in a Peer Model mode, in which the student views a video of a peer learning how to use and apply the target core reading skill. The focus of core reading instruction is to develop the ability to comprehend and analyze texts. Instruction in the mechanics of writing serves as a building block that allows the student to emerge as a writer. Writing instruction guides the student through the process of dictating and writing narrative and informational texts. Speaking and Listening instruction is presented in a 21st Century mode, in which the student gains proficiency in the skills, knowledge, and expertise they must master to succeed in life and eventually the workplace. Together, the course elements ensure that the student grows as a reader, writer, and communicator.
Language Arts 1 A	In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into a strong, fluent reader and writer. Reading, writing, and language instruction are presented in close alignment with the Common Core State Standards (CCSS). Daily core reading instruction gives the student the opportunity to read texts in a variety of literary and nonfiction genres at levels that match their individual ability. Instruction is presented in two modes: Peer Model, in which the student views a video of a peer learning how to use and apply the target skill, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise they must master to succeed in work and life. Throughout the core reading block, engaging and thought-provoking activities allow the student to master a variety of related disciplines, including fluency, vocabulary, and speaking and listening. The focus on reading is supplemented with instruction in phonics, handwriting, grammar, and reading foundations—skill areas vital to a burgeoning reader’s development. The course also provides the student with a thorough understanding of the writing process, from planning to drafting to revision, editing, and publishing, and includes instruction in developing an information text and a narrative text. Together, the course elements ensure that the student grows as a reader, writer, and communicator.
Language Arts 1 B	In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into a strong, fluent reader and writer. Reading, writing, and language instruction are presented in close alignment with the Common Core State Standards (CCSS). Daily core reading instruction gives the student the opportunity to read texts in a variety of literary and nonfiction genres at levels that match their individual ability. Instruction is presented in two modes: Peer Model, in which the student views a video of a peer learning how to use and apply the target skill, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise they must master to succeed in work and life. Throughout the core reading block, engaging and thought-provoking activities allow the student to master a variety of related disciplines, including fluency, vocabulary, and speaking and listening. The focus on reading is supplemented with instruction in phonics, handwriting, grammar, and reading foundations—skill areas vital to a burgeoning reader’s development. The course also provides the student with a thorough understanding of the writing process, from planning to drafting to revision, editing, and publishing, and includes instruction in developing an opinion text and a how-to book. Together, the course elements ensure that the student grows as a reader, writer, and communicator.

Language Arts 2 A & B	<p>In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into a strong, fluent reader and writer. Reading, writing, and language instruction are presented in close alignment with the Common Core State Standards (CCSS). Daily core reading instruction give the student the opportunity to read texts in a variety of literary and nonfiction genres at levels that match their individual ability. Instruction is presented in two modes: Peer Model, in which the student views a video of a peer learning how to use and apply the target skill, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise they must master to succeed in work and life. Throughout the core reading block, engaging and thought-provoking activities allow the student to master a variety of related disciplines, including fluency, vocabulary, and speaking and listening. The focus on reading is supplemented with instruction in phonics, handwriting, grammar, and reading foundations—skill areas vital to a burgeoning reader's development. The course also provides the student with a thorough understanding of the writing process, from planning to drafting to revision, editing, and publishing, and includes instruction in developing a how-to book and an opinion text. Together, the course elements ensure that the student grows as a reader, writer, and communicator.</p>
Math K A	<p>In this first semester course, mathematical thinking and problem solving are introduced. Students explore topics and apply mathematical practices outlined in the Common Core State Standards and other state standards. The first few units focus on counting and sorting. Then, lessons introduce addition and subtraction. Throughout the course, students engage in hands on and online activities to master basic skills.</p>
Math K B	<p>In this second semester course, students continue to engage in mathematical thinking and problem solving. Students explore topics and apply mathematical practices outlined in the Common Core State Standards and other state standards. Students have opportunities to describe, sort, and compare objects and explore basic shapes. Stories and activities teach students about money, time, fractions, and measurement. Throughout the course, students engage in hands on and online activities to master basic skills.</p>
Math 1 A	<p>In Math 1 A, the student will learn mathematical concepts related to addition and subtraction, measuring lengths, time, and representing and interpreting data. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Math 1 B	<p>In Math 1 B, the student will learn mathematical concepts related to counting, place value, comparing two-digit numbers, using models to add and subtract, reasoning with shapes, and parts of figures. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Math 2 A	<p>In Math 2 A, the student will learn mathematical concepts related to addition and subtraction, even and odd numbers, time, and money. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Math 2 B	<p>In Math 2 B, the student will learn mathematical concepts related to measuring length, graphs and data, shapes and their attributes, and place value using models. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Science K A & B	<p>This course provides the foundation for the student to grow into a successful scientific thinker through instruction in disciplinary core ideas, science and engineering practices, and crosscutting concepts. Units present core ideas in an expanding view, starting with the basics of discerning living from nonliving and the needs of living things. This foundation expands into a study of plants and animals, including how they grow, followed by a study of the environment. The student will then explore patterns in the changing positions of the sun, moon, and stars. The semester ends with a study of sunlight and its effects on Earth. Science and engineering practices are encouraged through inquiry prompts for a science journal, as well as two multi-day portfolio items that provide opportunities to think like an engineer while solving real-world problems about building a habitat and keeping cool. Throughout the course, some instruction is presented with videos in which the student will observe a peer of similar age learning how to use and apply science content and skills. Other instruction emphasizes 21st century skills through crosscutting connections, real-world data, tools, and experts the student may encounter in future learning, in the workforce, and in life. Together, the course elements ensure that the student will grow as a scientist, both in thought and action.</p>

Science 1 A & B

This course provides the foundation for the student to grow into a successful scientific thinker through instruction in disciplinary core ideas, science and engineering practices, and crosscutting concepts. Units present core ideas starting with life science foundational topics of animal structures and plant structures. The student will apply this knowledge to the study of interdependence and heredity. The semester ends in physical science with the study of sound. Science and engineering practices are encouraged through inquiry prompts for a science journal. In addition, one multi-day portfolio item provides an opportunity to think like an engineer while solving a real-world problem to build a device that mimics plants. In a second multi-day portfolio item, the student will think like a scientist to investigate the relationship between vibrations and sound waves. Throughout the course, some instruction is presented with videos in which the student will observe a peer of similar age learning how to use and apply science content and skills. Other instruction emphasizes 21st century skills through crosscutting connections, real-world data, tools, and experts the student may encounter in future learning, in the workforce, and in life. Together, the course elements ensure that the student will grow as a scientist, both in thought and action.

Science 2 A & B

This course provides the foundation for the student to grow into a successful scientific thinker through instruction in disciplinary core ideas, science and engineering practices, and crosscutting concepts. The student will begin by studying scientists and engineers along with their amazing discoveries and inventions. This is followed by the foundational physical science topics of properties of matter, changes in matter, and forces and motion. The semester ends in Earth and space science with a study of the sun and sky. Science and engineering practices are encouraged through inquiry prompts for a science journal. In addition, one multi-day portfolio item provides an opportunity to think like an engineer while solving a real-world problem to build ramps for toy cars. In a second multi-day portfolio item, the student will think like a scientist to investigate and classify different kinds of matter by their observable properties. Throughout the course, some instruction is presented with videos in which the student will observe a peer of similar age learning how to use and apply science content and skills. Other instruction emphasizes 21st century skills through crosscutting connections, real-world data, tools, and experts the student may encounter in future learning, in the workforce, and in life. Together, the course elements ensure that the student will grow as a scientist, both in thought and action.

Physical Education K

In this course, physical education encourages students to develop their fine motor skills, movement, and confidence to enjoy healthy physical activity regularly. A combination of interactive and hands-on activities teaches students essential skills. Students learn how to respect themselves and others while playing.

Select the link below to view the Number of Minutes of Physical Activity by State.

[Number of Minutes of Physical Activity by State](#)

Physical Education 1

Welcome to Physical Education 1! Each week, the student will learn a new game or activity. There will be games and activities that may be played inside, while others will be better suited for outdoor play. The games and activities in this course are grouped in thematic units. In each lesson, the student will find a brief description of that week's game. Each week a new game will be added, but the previous lessons' games will still be listed for the student to see. In addition to the activities described in the lessons, students will also have the option of participating in yoga or an individual or team sport.

Physical Education 2

Welcome to Physical Education 2! Each week, the student will learn a new game or activity. There will be games and activities that may be played inside, while others will be better suited for outdoor play. The games and activities in this course are grouped in thematic units. In each lesson, the student will find a brief description of that week's game. Each week a new game will be added, but the previous lessons' games will still be listed for the student to see. In addition to the activities described in the lessons, students will also have the option of participating in yoga or an individual or team sport.

Social Studies K A & B

This course provides the foundation for the student to grow into an engaged citizen. Social studies content spans themes of civics, economics, geography, and history. Early in the semester, the student will learn about weather, the seasons, and Earth's resources, and how they affect daily life. The course then expands into a study of landforms, maps, and map tools. Two multi-day portfolio projects provide opportunities for the student to apply new social studies skills to solve age-appropriate, real-world problems about making maps and taking action to solve a community problem. Throughout the course, some instruction is presented with videos in which the student will observe a peer of similar age learning how to use and apply social studies content and skills. Other instruction emphasizes 21st century skills to build proficiency in the knowledge and expertise needed for future learning, the workforce, and life. Together, the course elements ensure that the student will grow as a community member and citizen.

Social Studies 1 A

In Social Studies 1 A, the student will focus on how people in communities work together for the benefit of all. In this course, the student will learn about the various ways individuals contribute to their communities. This course emphasizes good citizenship, economics, and geography skills. The course text is Pearson's myWorld Social Studies: Making Our Way workbook. The student will build reading, listening, critical thinking, and problem-solving skills through the course activities. To learn more about communities, the student will explore maps, photographs, illustrations, music, and other resources. Multimedia resources, including videos and interactive websites, enhance and support the content.

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Social Studies 1 B	<p>In Social Studies 1 B, the student will focus on how people in communities work together for the benefit of all. In this course, the student will learn about the various ways individuals contribute to their communities. The concept of good citizenship is woven throughout the course as the student learns about caring for the earth's environment. The student will continue working on geography skills and explore different cultures and traditions. The course ends with a study of time and the changes in life throughout history. The student will build reading, listening, critical thinking, and problem-solving skills through the course activities. The course text is Pearson's myWorld Social Studies: Making Our Way workbook. To learn more about communities, the student will explore maps, photographs, illustrations, music, and other resources. Multimedia resources, including videos and interactive websites, enhance and support the content.</p> <p>Objectives derived from Pearson Education programs (c) Pearson Education, Inc., or its affiliates. All rights reserved.</p>
Social Studies 2 A	<p>In Social Studies 2 A, the student continues to be introduced to basic concepts of citizenship, economics, and geography. In this course, the practice of geography, reading, critical thinking, and problem-solving skills accompanies structured instruction and activities. The student will learn about ordinary individuals who showed good citizenship. Through Learning Coach-led discussions, textbook readings, interactive activities, and hands-on projects, the student will continue to explore the world through the lens of social studies. The course text is Pearson's myWorld Social Studies: We Do Our Part workbook. The student will explore maps, photographs, illustrations, music, and other resources. Multimedia resources, including videos and interactive websites, enhance and support the content.</p> <p>Objectives derived from Pearson Education programs (c) Pearson Education, Inc., or its affiliates. All rights reserved.</p>
Social Studies 2 B	<p>In Social Studies 2 B, the student continues to be introduced to basic concepts in world cultures, American history, and government. In this course, the practice of geography, reading, critical thinking, and problem-solving skills accompanies structured instruction and activities. The student will learn about famous people who have influenced the United States and the world. Through Learning Coach-led discussions, textbook readings, interactive activities, and hands-on projects, the student will continue to explore the world through the lens of social studies. The course text is Pearson's myWorld Social Studies: We Do Our Part workbook. The student will explore maps, photographs, illustrations, music, and other resources. Multimedia resources, including videos and interactive websites, enhance and support the content.</p> <p>Objectives derived from Pearson Education programs (c) Pearson Education, Inc., or its affiliates. All rights reserved.</p>
Sign Language K-5	<p>In this course, the student will be introduced to the fundamental concepts of American Sign Language. The student will explore vocabulary, numbers, grammar, and conversational skills using basic signing and fingerspelling techniques.</p>
Home Life	<p>In this course, the student will choose from a selection of project-based activities designed to develop skills for daily living. Topics will include a variety of activities appropriate for all grade levels. Each project will include a portfolio assignment.</p> <p>Home Life has been designed to allow families with multiple students to work together on a series of home-based projects. These include cooking, crafts, sewing, home maintenance, family outings, and genealogy.</p> <p>Each project will be comprised of approximately four to six two-hour sessions that may be completed on a weekly basis or chunked together in a weekend or two. To receive credit, students must complete five, choosing the activities that best suit their family situation and interests.</p> <p>This course will be graded by completion. Students must choose and complete at least five projects from a variety of topics to receive credit for this course. Students can submit more than five projects but they are only required to submit five. Projects will be submitted through the portfolio Drop Box at the end of the course. These projects are meant to be enjoyable activities that provide an opportunity for hands-on learning and valuable family time!</p>
Art 3	<p>This course focuses on arts and crafts inspired by the four seasons. The student will examine and create artwork based on seasonal characteristics or common cultural trends. The student will be exposed to art history, art criticism, and art production activities with a multicultural focus. Creative freedom is experienced as the student uses his imagination and several types of media and processes. These processes include drawing, painting, printmaking, sculpture, bookmaking, and techniques for creating crafts and fiber arts.</p>
Art 4	<p>This course focuses on arts and crafts inspired by the four seasons. The student will examine and create artwork based on seasonal characteristics or common cultural trends. The student will be exposed to art history, art criticism, and art production activities with a multicultural focus. Creative freedom is experienced as the student uses his imagination and several types of media and processes. These processes include drawing, painting, printmaking, sculpture, bookmaking, and techniques for creating crafts and fiber arts.</p>
Art 5	<p>In this course, the student will be introduced to works of art through time. Throughout history the growth and development of civilizations around the world have been recorded and defined through the works of artists. The student will become familiar with the art elements, the principles of design, and how these elements and principles were applied to create visual art in different time periods and cultures.</p>

Computer Science 5 A	In this course, students learn features and functions of both internal and external computer technology. Students will troubleshoot to solve simple hardware and software problems using common strategies. Organizing arguments, using data to predict outcomes, identifying cause-and-effect relationships, and using diverse perspectives to support claims are also skills that students will practice in this course. Students will learn the how to use computer technology to provide a safe and inclusive environment for all learners including accessibility, usability, and the impacts technology has on cultural practices. Students will then incorporate previous knowledge of technology to study cybersecurity and learn to use technology safely to protect personal information. Reviews of intellectual property, public domain, and creative commons media will give students the opportunity to include existing programs into their own work to develop something new or more advanced. This will culminate in students examining and creating sequences that use simple block-based programming in Minecraft Education edition. Students will use Makecode to build sequences that demonstrate events, loops, conditionals, and variables that are used to store data. Lastly, students will be testing and debugging these sequences to practice their skills of identifying cause-and-effect relationships and creative problem solving.
Computer Science 5 B	In this course, students will incorporate previous knowledge of technology to study cybersecurity and will learn to use technology safely to protect personal information. Reviews of intellectual property, public domain, and creative commons media will give students the opportunity to include existing programs into their own work to develop something new or more advanced. This will culminate in students examining and creating sequences that use simple block-based programming in Minecraft Education edition. Students will use Makecode to build sequences that demonstrate events, loops, conditionals, and variables that are used to store data. Lastly, students will be testing and debugging these sequences to practice their skills of identifying cause-and-effect relationships and creative problem solving.
Discovering Music I	Designed for students in grades 3–5, this course teaches fundamental musicianship skills from a Western-Classical approach, while aligning to the National Core Arts Standards. The course challenges the student to improve listening, notation, analysis, performance, and improvisation skills. With audio, visual, and interactive technologies, this course provides a unique and advanced learning experience.
Discovering Music II	Designed for students in grades 3–5, this course builds on fundamental musicianship skills introduced in Discovering Music I. Aligning to the National Core Arts Standards, the course teaches the student to explore new concepts in rhythm and notation, as well as improve listening, notation, analysis, performance, and improvisation skills. The student will use a basic understanding of the orchestra to explore instrumentation and orchestration in more depth, and analyze compositional style from a range of periods. With audio, visual, and interactive technologies, this course provides a unique and advanced learning experience. Discovering Music I is a prerequisite for this course.
Discovering Music III	Designed for students in grades 3–5, this course enhances the student's knowledge of musical cultures as he or she discovers a musical identity. Aligning to the National Core Arts Standards, this course provides the student with engaging opportunities to combine musical knowledge with an exploration of different art forms to create new personal works. The student will apply foundational knowledge of music to a variety of musical styles and cultures. With audio, visual, and interactive technologies, this course provides a unique and advanced learning experience. Discovering Music I and Discovering Music II are prerequisites for this course.
Educational Technology and Online Learning 3	In this course, students use appropriate technology tools and resources to complete projects, manage information, and solve problems. Students use software to write, organize, analyze, and present information and data. Students learn listening and organizational skills and set attainable learning goals. Students become responsible users of technology as they learn about Internet safety and appropriate online behavior.
Educational Technology and Online Learning 4	In this course, students use appropriate technology tools and resources to complete projects, manage information, and solve problems. Students use software to write, organize, analyze, and present information and data. Students learn listening and organizational skills and set attainable learning goals. Students become responsible users of technology as they learn about internet safety, appropriate online behavior, and effective search and website evaluation strategies.
Educational Technology and Online Learning 5	In this course, students use appropriate technology tools and resources to complete projects, manage information, and solve problems. Students use software to write, organize, analyze, and present information and data. Students learn listening and organizational skills and set attainable learning goals. Students become responsible communicators and users of technology as they learn about intellectual property, Internet safety, and effective search and evaluation strategies.
Elementary Chinese I	<p>Chinese I is an introductory-level course that will introduce the student to Mandarin Chinese. The units are designed to introduce the student to Chinese language and culture through familiar topics such as my family, my week, and food. Culture is presented throughout the course to help the student make connections between his culture and the culture of people in the Mandarin-speaking world.</p> <p>Please Note: The World Languages courses require a headset and microphone which is compatible with the computer being used for the course. This equipment is not provided by Pearson Virtual Schools.</p>
Elementary Chinese II	<p>In this course, the student will further develop communication skills in Mandarin Chinese at a more advanced level. The student will continue to learn about Chinese culture by exploring historic places in China and other Mandarin-speaking countries, and by learning about holidays and special traditions celebrated there. In addition, the student will practice Mandarin Chinese skills by continuing to converse with a native Mandarin speaker.</p> <p>Please Note: The World Languages courses require a headset and microphone which is compatible with the computer being used for the course. This equipment is not provided by Pearson Virtual Schools.</p>

Elementary Spanish I

Elementary Spanish I is an introductory-level course that will introduce the student to Spanish. The units are designed to introduce the student to Spanish language and culture through familiar topics such as family and friends, my home, and food. Culture is presented throughout the course to help the student make connections between his culture and the culture of people in the Spanish-speaking world.

Please Note: The World Languages courses require a headset and microphone which is compatible with the computer being used for the course. This equipment is not provided by Pearson Virtual Schools.

Essential Math 3 A

In Essential Math 3 A, the student will learn mathematical concepts related to multiplication and division, patterns, rounding, and mental math. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.

In this course, the needs of the essential student are addressed in various ways, while still maintaining the integrity of the content. Special attention is paid to the reading level of the student-facing content to ensure comprehension. Each lesson includes a connection to prior knowledge and concrete examples to help your student relate to the new material. Hands-On Activities are included in every lesson and are customized for the essential learner. Practice, reinforcement, and error correction are encouraged throughout the course as your student works with small sets of problems at a time. Taken as a whole, these modifications give your student access to all grade-level content in a way that is conducive to your student's learning style.

Essential Math 3 B

In Essential Math 3 B, the student will learn mathematical concepts related to 2-D shapes, area, perimeter, fractions, interpreting data, time, mass, and capacity. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.

In this course, the needs of the essential student are addressed in various ways, while still maintaining the integrity of the content. Special attention is paid to the reading level of the student-facing content to ensure comprehension. Each lesson includes a connection to prior knowledge and concrete examples to help your student relate to the new material. Hands-On Activities are included in every lesson and are customized for the essential learner. Practice, reinforcement, and error correction are encouraged throughout the course as your student works with small sets of problems at a time. Taken as a whole, these modifications give your student access to all grade-level content in a way that is conducive to your student's learning style.

Essential Math 4 A

In Math 4 A, the student will learn mathematical concepts related to place value, adding and subtracting multi-digit whole numbers, strategies for multiplication and division, factors, multiples, algebra, and patterns. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.

In this course, the needs of the essential student are addressed in various ways, while still maintaining the integrity of the content. Special attention is paid to the reading level of the student-facing content to ensure comprehension. Each lesson includes a connection to prior knowledge and concrete examples to help your student relate to the new material. Hands-On Activities are included in every lesson and are customized for the essential learner. Practice, reinforcement, and error correction are encouraged throughout the course as your student works with small sets of problems at a time. Taken as a whole, these modifications give your student access to all grade-level content in a way that is conducive to your student's learning style.

Essential Math 4 B

In Essential Math 4 B, the student will learn mathematical concepts related to fraction equivalence, adding, subtracting, and multiplying fractions, comparing decimals, interpreting data, angles, lines, shapes, and measurement. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.

In this course, the needs of the essential student are addressed in various ways, while still maintaining the integrity of the content. Special attention is paid to the reading level of the student-facing content to ensure comprehension. Each lesson includes a connection to prior knowledge and concrete examples to help your student relate to the new material. Hands-On Activities are included in every lesson and are customized for the essential learner. Practice, reinforcement, and error correction are encouraged throughout the course as your student works with small sets of problems at a time. Taken as a whole, these modifications give your student access to all grade-level content in a way that is conducive to your student's learning style.

Essential Math 5 A

In Essential Math 5 A, the student will learn mathematical concepts related to place value, adding and subtracting decimals, using models to multiply and divide, the coordinate plane, algebra, patterns, and relationships. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.

In this course, the needs of the essential student are addressed in various ways, while still maintaining the integrity of the content. Special attention is paid to the reading level of the student-facing content to ensure comprehension. Each lesson includes a connection to prior knowledge and concrete examples to help your student relate to the new material. Hands-On Activities are included in every lesson and are customized for the essential learner. Practice, reinforcement, and error correction are encouraged throughout the course as your student works with small sets of problems at a time. Taken as a whole, these modifications give your student access to all grade-level content in a way that is conducive to your student's learning style.

Essential Math 5 B

In Essential Math 5 B, the student will learn mathematical concepts related to 2-D figures, operations with fractions, volume, converting measurements, interpreting data, and equivalent expressions. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.

In this course, the needs of the essential student are addressed in various ways, while still maintaining the integrity of the content. Special attention is paid to the reading level of the student-facing content to ensure comprehension. Each lesson includes a connection to prior knowledge and concrete examples to help your student relate to the new material. Hands-On Activities are included in every lesson and are customized for the essential learner. Practice, reinforcement, and error correction are encouraged throughout the course as your student works with small sets of problems at a time. Taken as a whole, these modifications give your student access to all grade-level content in a way that is conducive to your student's learning style.

Gifted and Talented Language Arts 3 A & B

In this course, the student will learn, practice, and apply the skills and strategies intrinsic to becoming a stronger, more fluent reader and writer. The course presents reading, writing, and language instruction in close alignment with the Common Core State Standards (CCSS). Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas. In daily core reading instruction, the student will have the opportunity to read texts in a variety of literary and nonfiction genres. Instruction is presented in two modes: Peer Model, in which the student will view a video of a peer learning how to use and apply the target skill, and 21st Century, in which the student will gain proficiency in the skills, knowledge, and expertise they must master to succeed in work and life. Throughout the core reading block, engaging and thought-provoking activities allow the student to master a variety of related disciplines, including fluency, vocabulary, and speaking and listening. The course also provides the student with a thorough understanding of the writing process, from planning to drafting to revision, editing, and publishing, and includes instruction in developing a personal narrative and an explanatory text. The focus on reading and writing is supplemented with instruction in grammar, phonics, spelling, handwriting, and reading foundations—skill areas vital to the student's overall development as a reader, writer, and communicator.

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In this course, the student will learn, practice, and apply the skills and strategies intrinsic to becoming a stronger, more fluent reader and writer. The course presents reading, writing, and language instruction in close alignment with the Common Core State Standards (CCSS). Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas. In daily core reading instruction, the student will have the opportunity to read texts in a variety of literary and nonfiction genres. Instruction is presented in two modes: Peer Model, in which the student will view a video of a peer learning how to use and apply the target skill, and 21st Century, in which the student will gain proficiency in the skills, knowledge, and expertise they must master to succeed in work and life. Throughout the core reading block, engaging and thought-provoking activities allow the student to master a variety of related disciplines, including fluency, vocabulary, and speaking and listening. The course also provides the student with a thorough understanding of the writing process, from planning to drafting to revision, editing, and publishing, and includes instruction in developing narrative and explanatory texts. The focus on reading and writing is supplemented with instruction in grammar, spelling, and handwriting—skill areas vital to the student's overall development as a reader, writer, and communicator.

Gifted and Talented Language Arts 5 A & B

In this course, the student will learn, practice, and apply the skills and strategies intrinsic to becoming a stronger, more fluent reader and writer. The course presents reading, writing, and language instruction in close alignment with the Common Core State Standards (CCSS). In daily core reading instruction, the student will have the opportunity to read texts in a variety of literary and nonfiction genres. Instruction is presented in two modes: Peer Model, in which the student will view a video of a peer learning how to use and apply the target skill, and 21st Century, in which the student will gain proficiency in the skills, knowledge, and expertise they must master to succeed in work and life. Throughout the core reading block, engaging and thought-provoking activities allow the student to master a variety of related disciplines, including fluency, vocabulary, and speaking and listening. The course also provides the student with a thorough understanding of the writing process, from planning to drafting to revision, editing, and publishing, and includes instruction in developing narrative and explanatory texts. The focus on reading and writing is supplemented with instruction in grammar, spelling, and handwriting—skill areas vital to the student's overall development as a reader, writer, and communicator.

Gifted and Talented Math 3 A	<p>In Gifted and Talented Math 3 A, the student will learn mathematical concepts related to multiplication and division, patterns, rounding, mental math, and representing and interpreting data on line plots.</p> <p>Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Gifted and Talented Math 3 B	<p>In Gifted and Talented Math 3 B, the student will learn mathematical concepts related to fraction equivalence, adding, subtracting, and multiplying fractions, comparing decimals, using whole numbers to solve problems, area, and perimeter.</p> <p>Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Gifted and Talented Math 4 A	<p>In Gifted and Talented Math 4 A, the student will learn mathematical concepts related to place value, adding and subtracting multi-digit whole numbers, adding and subtracting decimals, using models to multiply and divide, the coordinate plane, algebra, patterns and relationships.</p> <p>Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Gifted and Talented Math 4 B	<p>In Gifted and Talented Math 4 B, the student will learn mathematical concepts related to angles, shapes and measurement, 2D figures, operations with fractions, volume, converting measurements, interpreting data, equivalent expressions, the coordinate plane, patterns and relationships.</p> <p>Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Gifted and Talented Math 5 A	<p>In this course, the student will use the four operations with decimals, fractions, and integers to solve equations and inequalities. The student will simplify expressions with exponents and rational numbers. In the study of number theory, the student will further strengthen his skills as he solves problems involving factors and multiples by using divisibility tests and prime factorization. The student will apply ratios, rates, proportions, and scale drawings to solve various problems and then solve percent problems, including percent of change and commission.</p>
Gifted and Talented Math 5 B	<p>In this course, the student will explore concepts in geometry including identifying and describing the properties of geometric figures, as well as the relationships that exist between them. The student will find perimeter, area, and volume of two-dimensional figures and extend measurement skills to determine surface area and volume of three-dimensional figures. Next, the student will use tables, graphs, formulas, and functions to identify and extend number patterns. The student will graph linear and nonlinear relationships, identify slope, and explore translations. In the study of statistics, the student will create, analyze, and interpret different data displays. At the end of the course, the student will study probability and explore dependent events, compound events, and combinations.</p>
Gifted and Talented Science 3 A	<p>In this course, the student will explore forces and motion, magnets, and several topics related to life science. These topics include plant and animal life cycles, heredity, and animal groups. The student will have many opportunities to test hypotheses, experiment, and make real world connections.</p> <p>Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.</p>
Gifted and Talented Science 3 B	<p>In this course, the student will explore variation and change, such as the characteristics of living versus non-living organisms and environmental change, and life science topics. These include include habitats, fossils, and weather and climate. The student will have many opportunities to test hypotheses, experiment, and make real world connections.</p> <p>Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.</p>
Gifted and Talented Science 4 A	<p>In this course, the student will explore multiple concepts related to energy and the structures of plants and animals. Topics include the transfer and forms of energy such as mechanical energy, speed, sound, light, heat, and electric currents. In addition, the student will study the internal structures of plants and animals. These comprise systems of reproduction and adaptation.</p> <p>Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways and apply their ideas.</p>

Gifted and Talented Science 4 B	<p>In this course, the student will study the brain in animals and explore multiple areas of earth science. This includes the senses, how the brain processes information, weathering and erosion, Earth's layers and features, natural disasters, and their impact on life. The student will examine natural energy resources including resource conservation and the environment.</p> <p>Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways and apply their ideas.</p>
Gifted and Talented Science 5 A	<p>This course is designed to give the student a strong basis for understanding the world. The course consists of a varied curriculum that provides the student the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum engages students in problem-solving and scientific investigation and provides opportunities for both hands-on exploration and virtual simulation.</p> <p>During this course, the student will learn about the solar system; Earth, sun, and stars; gravity; the properties of matter; and more. Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways and apply their ideas.</p>
Gifted and Talented Science 5 B	<p>This course is designed to give the student a strong basis for understanding the world. The course consists of a varied curriculum that provides the student the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum engages students in problem-solving and scientific investigation and provides opportunities for both hands-on exploration and virtual simulation.</p> <p>During this course, the student will learn about physical and chemical changes in matter, the ecosystem, plant growth and photosynthesis, food webs, conservation, among other things. Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways and apply their ideas.</p>
Language Arts 3 A & B	<p>In this course, the student will learn, practice, and apply the skills and strategies intrinsic to becoming a stronger, more fluent reader and writer. The course presents reading, writing, and language instruction in close alignment with the Common Core State Standards (CCSS). In daily core reading instruction, the student will have the opportunity to read texts in a variety of literary and nonfiction genres. Instruction is then presented in two modes: Peer Model, in which the student will view a video of a peer learning how to use and apply the target skill, and 21st Century, in which the student will gain proficiency in the skills, knowledge, and expertise they must master to succeed in work and life. Throughout the core reading block, engaging and thought-provoking activities allow the student to master a variety of related disciplines, including fluency, vocabulary, and speaking and listening. The course also provides the student with a thorough understanding of the writing process, from planning to drafting to revision, editing, and publishing, and includes instruction in developing a personal narrative and an explanatory text. The focus on reading and writing is supplemented with instruction in grammar, phonics, spelling, handwriting, and reading foundations—skill areas vital to the student's overall development as a reader, writer, and communicator.</p>
Language Arts 4 A & B	<p>In this course, the student will learn, practice, and apply the skills and strategies intrinsic to becoming a stronger, more fluent reader and writer. The course presents reading, writing, and language instruction in close alignment with the Common Core State Standards (CCSS). Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas. In daily core reading instruction, the student will have the opportunity to read texts in a variety of literary and nonfiction genres. Instruction is presented in two modes: Peer Model, in which the student will view a video of a peer learning how to use and apply the target skill, and 21st Century, in which the student will gain proficiency in the skills, knowledge, and expertise they must master to succeed in work and life. Throughout the core reading block, engaging and thought-provoking activities allow the student to master a variety of related disciplines, including fluency, vocabulary, and speaking and listening. The course also provides the student with a thorough understanding of the writing process, from planning to drafting to revision, editing, and publishing, and includes instruction in developing narrative and explanatory texts. The focus on reading and writing is supplemented with instruction in grammar, spelling, and handwriting—skill areas vital to the student's overall development as a reader, writer, and communicator.</p>
Language Arts 5 A	<p>In this course, the student will learn, practice, and apply the skills and strategies intrinsic to becoming a stronger, more fluent reader and writer. The course presents reading, writing, and language instruction in close alignment with the Common Core State Standards (CCSS). In daily core reading instruction, the student will have the opportunity to read texts in a variety of literary and nonfiction genres. Instruction is presented in two modes: Peer Model, in which the student will view a video of a peer learning how to use and apply the target skill, and 21st Century, in which the student will gain proficiency in the skills, knowledge, and expertise they must master to succeed in work and life. Throughout the core reading block, engaging and thought-provoking activities allow the student to master a variety of related disciplines, including fluency, vocabulary, and speaking and listening. The course also provides the student with a thorough understanding of the writing process, from planning to drafting to revision, editing, and publishing, and includes instruction in developing narrative and explanatory texts. The focus on reading and writing is supplemented with instruction in grammar, spelling, and handwriting—skill areas vital to the student's overall development as a reader, writer, and communicator.</p>

Language Arts 5 B	<p>In this course, the student will learn, practice, and apply the skills and strategies intrinsic to becoming a stronger, more fluent reader and writer. The course presents reading, writing, and language instruction in close alignment with the Common Core State Standards (CCSS). In daily core reading instruction, the student will have the opportunity to read texts in a variety of literary and nonfiction genres. Instruction is presented in two modes: Peer Model, in which the student will view a video of a peer learning how to use and apply the target skill, and 21st Century, in which the student will gain proficiency in the skills, knowledge, and expertise they must master to succeed in work and life. Throughout the core reading block, engaging and thought-provoking activities allow the student to master a variety of related disciplines, including fluency, vocabulary, and speaking and listening. The course also provides the student with a thorough understanding of the writing process, from planning to drafting to revision, editing, and publishing, and includes instruction in developing an opinion text and generating a research report from topical investigation. The focus on reading and writing is supplemented with instruction in grammar, spelling, and handwriting—skill areas vital to the student's overall development as a reader, writer, and communicator.</p>
Math 3 A	<p>In Math 3 A, the student will learn mathematical concepts related to multiplication and division, patterns, rounding, and mental math. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Math 3 B	<p>In Math 3 B, the student will learn mathematical concepts related to 2-D shapes, area, perimeter, fractions, interpreting data, time, mass, and capacity. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Math 4 A	<p>In Math 4 A, the student will learn mathematical concepts related to place value, adding and subtracting multi-digit whole numbers, strategies for multiplication and division, factors, multiples, algebra, and patterns. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Math 4 B	<p>In Math 4 B, the student will learn mathematical concepts related to fraction equivalence, adding, subtracting, and multiplying fractions, comparing decimals, interpreting data, angles, lines, shapes, and measurement. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Math 5 A	<p>In Math 5 A, the student will learn mathematical concepts related to place value, adding and subtracting decimals, using models to multiply and divide, the coordinate plane, algebra, patterns, and relationships. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Math 5 B	<p>In Math 5 B, the student will learn mathematical concepts related to 2-D figures, operations with fractions, volume, converting measurements, interpreting data, and equivalent expressions. Concepts are developed using mathematical processes of problem-solving, reasoning, communicating, representing, and making connections. Building both conceptual knowledge and procedural fluency supports the student's development of mathematical thinking and reasoning in solving various problems of authentic contexts.</p>
Physical Education 3	<p>Our third grade students are expected to understand and demonstrate clearly-defined combinations of movements. Each week the student will learn one or more new activities. In addition, the student will learn the importance of nutrition as it relates to health and physical fitness. The student will learn life skills throughout the curriculum. In each lesson, the student will find a brief description of that week's activity. Each week a new activity will be added, but the previous activities can always be reviewed.</p>
Physical Education 4	<p>At the fourth grade level, student's hand-eye coordination has improved, allowing for advanced instruction in individual and partner activities. Fourth grade students are able to understand rules and the importance of following them. The development of a healthy lifestyle requires that the student acquire knowledge to make positive decisions about exercise, and nutrition. The student's participation and progress will be monitored through the Physical Activity Log and periodic performance tests.</p> <p>The President's Council on Physical Fitness and Sports Tests will be part of his/her curriculum. Depending on the program chosen, the student will have the opportunity to record his results on a periodic basis, and receive the appropriate award depending on the performance level.</p>
Physical Education 5	<p>At the fifth grade level students understand the concept of fair play and begin to recognize the varying fitness levels within the appropriate age standards. Playing by the rules and respecting self and others are emphasized as students participate in cooperative physical education activities. Students see how levels of physical activity and food intake are related to a healthy productive life-style.</p> <p>The President's Council on Physical Fitness and Sports Tests will be part of his/her curriculum. Depending on the program chosen, the student will have the opportunity to record his results on a periodic basis, and receive the appropriate award depending on the performance level.</p>

Science 3 A	<p>In this course, the student will explore forces and motion, magnets, and several topics related to life science. These topics include plant and animal life cycles, heredity, and animal groups. The student will have many opportunities to test hypotheses, experiment, and make real world connections.</p>
Science 3 B	<p>In this course, the student will explore variation and change, such as the characteristics of living versus non-living organisms and environmental change, and life science topics. These include include habitats, fossils, and weather and climate. The student will have many opportunities to test hypotheses, experiment, and make real world connections.</p>
Science 4 A	<p>In this course, the student will explore multiple concepts related to energy and the structures of plants and animals. Topics include the transfer and forms of energy such as mechanical energy, speed, sound, light, heat, and electric currents. In addition, the student will study the internal structures of plants and animals. These comprise systems of reproduction and adaptation.</p> <p>Throughout the course, the student will have many opportunities to plan, test hypotheses, experiment, organize and analyze data, and make real world connections.</p>
Science 4 B	<p>In this course, the student will study the brain in animals and explore multiple areas of earth science. This includes the senses, how the brain processes information, weathering and erosion, Earth's layers and features, natural disasters, and their impact on life. Students will examine natural energy resources including resource conservation and the environment. Throughout the course, the student will have many opportunities to plan, test hypotheses, experiment, organize and analyze data, and make real world connections.</p>
Science 5 A	<p>This course is designed to give the student a strong basis for understanding the world. The course consists of a varied curriculum that provides the student the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum engages students in problem-solving and scientific investigation and provides opportunities for both hands-on exploration and virtual simulation.</p> <p>During this course, the student will learn about the solar system; Earth, sun, and stars; gravity; the properties of matter; and more.</p>
Science 5 B	<p>This course is designed to give the student a strong basis for understanding the world. The course consists of a varied curriculum that provides the student the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum, which meets Next Generation Science Standards (NGSS), engages students in problem-solving and scientific investigation and provides opportunities for both hands-on exploration and virtual simulation.</p> <p>During this course, the student will learn about physical and chemical changes in matter, the ecosystem, plant growth and photosynthesis, food webs, conservation, among other things.</p>
Social Studies 4 A	<p>In this course, the student will explore several historical and geographical themes focused on the United States. Topics include American government, geography, history, citizenship, and economics. The student will also build upon their understanding of the first inhabitants and explorers of the United States, as well as its beginnings as a new nation.</p>
Social Studies 4 B	<p>In this course, the student will examine several aspects of all five geographic regions of the United States. These include the northeast, southeast, midwest, southwest, and west. The student will also delve into topics specific to their particular state.</p>
Social Studies 5 A	<p>In this course, the student will trace United States history from the early exploration and settlement period to the War of 1812. Topics include Spanish, English, and French settlement and the American Revolution. The student will also explore the transition from the Articles of Confederation to the Constitution.</p>
Social Studies 5 B	<p>In this course, the student will trace United States history from the era of westward expansion to the twenty-first century. Topics include the Civil War, the Depression, World Wars I and II, and the American civil rights era. The student will also examine a chosen topic and complete an American Research Report.</p>
Math 8 (Pre-Algebra) A	<p>In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong mathematical thinkers. Daily instruction supports student learning of core math concepts and development of procedural fluency regarding the number system; exponent rules; scientific notation; roots and irrational numbers; triangles, cones, cylinders, spheres, right rectangular prisms and pyramids; transformations and congruence; transformations and similarity; solving and graphing linear equations; systems of linear equations; scatter plots and data analysis; and functions. Students are encouraged to use visual representation of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and mathematical principles to come to life. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target mathematical skill using a real-world example. 21st Century instruction further illustrates the connection of mathematical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Mathematical discussion prompts encourage students to revise misunderstanding, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. The courses are designed to support a growth mindset regarding math and encourage students to engage in productive struggle; instructional materials explicitly and frequently remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and masters the skills to succeed in work and life.</p>

Math 8 (Pre-Algebra) B

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong mathematical thinkers. Daily instruction supports student learning of core math concepts and development of procedural fluency regarding transformations and congruence; transformations and similarity; solving and graphing linear equations; systems of linear equations; scatter plots and data analysis; and functions. Students are encouraged to use visual representation of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and mathematical principles to come to life. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target mathematical skill using a real-world example. 21st Century instruction further illustrates the connection of mathematical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Mathematical discussion prompts encourage students to revise misunderstanding, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials explicitly and frequently remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and masters the skills to succeed in work and life.

Art 6 A

The middle school art program is organized around the three artistic processes of creating, presenting, and responding. In addition, the program emphasizes how art and design can drive innovation in the same way science, technology, engineering, and mathematics do. Throughout the courses, students use various media and techniques to construct projects, collaborate with peers, and critique their own work as well as the work of other artists.

In Semester A, students explore the wide range and variety of visual arts. They learn the basic elements of art and principles of design and apply them in their own creative ways. The semester culminates in a study of factors involved in evaluating and critiquing art.

Art 6 B

The middle school art program is organized around the three artistic processes of creating, presenting, and responding. In addition, the program emphasizes how art and design can drive innovation in the same way science, technology, engineering, and mathematics do. Throughout the courses, students use various media and techniques to construct projects, collaborate with peers, and critique their own work as well as the work of other artists.

In Semester B, students consider the preservation and protection of art. They then explore how international, national, and local art influences ideas, actions, cultures, and environments. Using this information, students build their own ideas of the role art plays in their lives.

Art 7 A

The middle school art program is organized around the three artistic processes of creating, presenting, and responding. In addition, the program emphasizes how art and design can drive innovation in the same way science, technology, engineering, and mathematics do. Throughout the courses, students use various media and techniques to construct projects, collaborate with peers, and critique their own work as well as the work of other artists.

In Semester A, students explore the wide range and variety of visual arts. They learn the basic elements of art and principles of design and apply them in their own creative ways. The semester culminates in a study of factors involved in evaluating and critiquing art.

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In Semester B, students consider the preservation and protection of art. They then explore how international, national, and local art influences ideas, actions, cultures, and environments. Using this information, students build their own ideas of the role art plays in their lives.

Art 8 A

The middle school art program is organized around the three artistic processes of creating, presenting, and responding. In addition, the program emphasizes how art and design can drive innovation in the same way science, technology, engineering, and mathematics do. Throughout the courses, students use various media and techniques to construct projects, collaborate with peers, and critique their own work as well as the work of other artists.

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In Semester B, students consider the preservation and protection of art. They then explore how international, national, and local art influences ideas, actions, cultures, and environments. Using this information, students build their own ideas of the role art plays in their lives.

Exploring Music I

Designed for students in grades 6–8, this course teaches fundamental musicianship skills approached from a Western-Classical style, while aligning to National Core Arts Standards. The course challenges the student to improve listening, notation, analysis, performance, and improvisation skills. With audio, visual, and interactive technologies, the course provides a unique and advanced learning experience for the student.

Exploring Music II	Designed for students in grades 6–8, this course reviews and expands fundamental musicianship skills approached from a Western-Classical style, while aligning to the National Core Arts Standards. The student will review and expand basic skills and concepts of rhythm and notation that were introduced in Exploring Music I. The student will use classic repertoire to analyze compositional style and improve listening, notation, analysis, performance, and improvisation skills. With audio, visual, and interactive technologies, the course provides a unique and advanced learning experience. Exploring Music I is a prerequisite for this course.
Gifted and Talented Language Arts 6 A	<p>In this course, students will sharpen and strengthen their skills in reading, writing, listening, and speaking. The student is exposed to a wide variety of writing styles to create a sense of curiosity and excitement.</p> <p>During this course, the student will learn to make connections between readings, podcasts, radio clips, videos, and the world. The student will also expand an academic vocabulary and build confidence through independent reading, peer model videos, and practice opportunities. The student will write expository and creative compositions and employ test-taking strategies that are effective for different types of learners.</p> <p>Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.</p>
Gifted and Talented Language Arts 6 B	<p>In this course, students will sharpen and strengthen their skills in reading, writing, listening, and speaking. The student is exposed to a wide variety of writing styles to create a sense of curiosity and excitement.</p> <p>During this course, the student will learn how to identify credible sources as well as compose argumentative and narrative essays using formal writing techniques. Students will also compare different types of media used to tell stories. These methods include textual, audio, and visual media types.</p>
Gifted and Talented Language Arts 7 A	<p>In this course, the student will focus on reading, writing, and analyzing informational and narrative texts, as well as developing their vocabulary and grammatical knowledge. The student will read poetry by Lewis Carroll and Daniel Beatty, short stories, and informational texts on Rosa Parks and Army Code. Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.</p>
Gifted and Talented Language Arts 7 B	<p>In this course, the student will focus on reading, writing, and analyzing informational and narrative texts, as well as developing their vocabulary and grammatical knowledge. The student will read classics including Great Expectations and Peter Pan, as well as non-fiction historical texts. Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.</p>
Gifted and Talented Language Arts 8 A	<p>In this course, the student studies and analyzes examples of explanatory, informational, and argumentative texts. Throughout the course curiosity, interpretation, and reflection are encouraged as the student practices reading comprehension through analogy and allusion in works by O. Henry and Roald Dahl. The student will learn to make connections between reading and the world around them as they read interesting texts about Female WWII Pilots and the Invention of the Popsicle. Their academic vocabulary and communication skills will be expanded through the exploration of word choice and meaning. This course presents strategies to strengthen writing skills through grammar, punctuation, and sentence and paragraph structure. The student will refine, reinforce and apply these skills through their own explanatory and persuasive compositions. Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.</p>
Gifted and Talented Language Arts 8 B	<p>In this course, the student is exposed to a wide variety of writing styles that create a sense of curiosity and excitement. Throughout the course the student will explore and analyze several literary genres. They will read narrative works about the building of Manhattan and the evolution of the grocery bag and be enthralled by the suspense, and humor of Victor Hugo through the Hunchback of Notre Dame. The student will also explore character development and dramatic irony as they participate in fictional novel study. Then, they will sharpen their writing skills as they create their own narrative story. Additionally, this course provides the opportunity for the student to exercise curiosity and inquiry skills through short and long-term research as they conduct and present observations and conclusions from their own research project. Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.</p>

Gifted and Talented Math 6 A

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong mathematical thinkers. Daily instruction supports student learning of core math concepts and development of procedural fluency regarding ordering numbers; working with whole numbers and decimals; ratios and percentages; rates and measurements; the coordinate plane; number theory and fractions; and adding and subtracting fractions. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and mathematical principles to come to life. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target mathematical skill using a real-world example. 21st Century instruction further illustrates the connection of mathematical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Mathematical discussion prompts encourage students to revise misunderstanding, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials explicitly and frequently remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and masters the skills to succeed in work and life.

Gifted and Talented Math 6 B

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong mathematical thinkers. Daily instruction supports student learning of core math concepts and development of procedural fluency regarding multiplying and dividing fractions; expressions and equations; inequalities; area and volume; coordinate geometry and nets; and statistics. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and mathematical principles to come to life. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target mathematical skill using a real-world example. 21st Century instruction further illustrates the connection of mathematical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Mathematical discussion prompts encourage students to revise misunderstanding, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials explicitly and frequently remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and masters the skills to succeed in work and life.

Gifted and Talented Math 7 A

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong mathematical thinkers. Daily instruction supports student learning of core math concepts and development of procedural fluency regarding adding, subtracting, multiplying and dividing rational numbers; unit rates and proportions; proportional relationships; algebraic expressions, and solving one-, two-, and multi-step equations. Students are encouraged to use visual representation of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and mathematical principles to come to life. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target mathematical skill using a real-world example. 21st Century instruction further illustrates the connection of mathematical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Mathematical discussion prompts encourage students to revise misunderstanding, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials explicitly and frequently remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and masters the skills to succeed in work and life.

Gifted and Talented Math 7 B

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong mathematical thinkers. Daily instruction supports student learning of core math concepts and development of procedural fluency regarding inequalities; angle pairs; triangles; area and perimeter; surface area; volume; probability; and statistics. Students are encouraged to use visual representation of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and mathematical principles to come to life. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target mathematical skill using a real-world example. 21st Century instruction further illustrates the connection of mathematical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Mathematical discussion prompts encourage students to revise misunderstanding, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials explicitly and frequently remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and masters the skills to succeed in work and life.

Gifted and Talented Math 8 A

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong mathematical thinkers. Daily instruction supports student learning of core math concepts and development of procedural fluency regarding the number system; exponent rules; scientific notation; roots and irrational numbers; triangles, cones, cylinders, spheres, and right rectangular prisms and pyramids. Students are encouraged to use visual representation of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and mathematical principles to come to life. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target mathematical skill using a real-world example. 21st Century instruction further illustrates the connection of mathematical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Mathematical discussion prompts encourage students to revise misunderstanding, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials explicitly and frequently remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and masters the skills to succeed in work and life.

Gifted and Talented Math 8 B

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong mathematical thinkers. Daily instruction supports student learning of core math concepts and development of procedural fluency regarding transformations and congruence; transformations and similarity; solving and graphing linear equations; systems of linear equations; scatter plots and data analysis; and functions. Students are encouraged to use visual representation of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and mathematical principles to come to life. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target mathematical skill using a real-world example. 21st Century instruction further illustrates the connection of mathematical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Mathematical discussion prompts encourage students to revise misunderstanding, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials explicitly and frequently remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and masters the skills to succeed in work and life.

Gifted and Talented Science 6 A

Science 6A explores natural objects and phenomenon on our planet, in our Solar System, and beyond. This course uses multiple media sources to foster scientific inquiry and spark curiosity. The student will use models to investigate the relationship between the sun, moon, and Earth as they formulate explanations of lunar phases, eclipses, and seasons.

Scientific views and evidence of how the earth and other objects in the universe were formed are presented as the student learns about galaxies, asteroids, and stars. The student will analyze and interpret data from rock layers and fossils giving clues to Earth's age. They will also discover how Earth's surface has changed over time as connections between Earth's energy systems and plate tectonics are made.

Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.

Gifted and Talented Science 6 B

Science 6B uses multiple media sources to foster scientific inquiry and spark curiosity. The student will discover ways that scientists use data, models, and technology gather information and make predictions.

Throughout this course, the student will investigate topics such as weather, climate, and natural resources. The student will collect and analyze data to discover how changes to weather conditions occur. They will also use scientific models to investigate how atmospheric circulation produces climate patterns and how thermal energy transfer affects climate.

This course explains renewable and non-renewable resources and the environmental implications associated with methods of managing and using energy resources. The student will identify and describe human activities that contribute to global climate change.

The student will also learn about natural hazards and how scientists use historical data to forecast and prepare for future catastrophic events.

Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.

Gifted and Talented Science 7 A	<p>Science 7A uses multiple media sources to foster scientific inquiry and spark curiosity as the student explores topics such as cells, body systems, reproductive strategies, and genetics.</p> <p>The student will investigate cell structure in plants and animals and discover how organisms use cells to perform complex life functions.</p> <p>They will also identify and describe the functions of several body systems including the respiratory, circulatory, digestive, and excretory systems.</p> <p>Additionally, the student will evaluate reproductive strategies and genetics to discover the important roles they play in the survival of organisms.</p> <p>Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.</p>
Gifted and Talented Science 7 B	<p>Science 7B uses multiple media sources to foster scientific inquiry and spark curiosity. Throughout this course, the student will discover ways that scientists use data, models, and technology to gather and apply information.</p> <p>This course explores the role of plants and photosynthesis in the cycling of matter and the flow of energy into and out of organisms. The student will analyze and interpret data to determine the effects of resource availability on biodiversity among populations in an ecosystem.</p> <p>The topics of evolution, natural selection, and scientific classification are also presented throughout this course. The student will analyze and interpret data for patterns in the fossil record that document the change of life forms and examine genetic variations of a population over time. The student will also learn how scientists classify organisms based on similar characteristics.</p> <p>Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.</p>
Gifted and Talented Science 8 A	<p>Science 8A uses multiple media sources to foster scientific inquiry and spark curiosity as the student explores topics in the physical sciences. Throughout this course, the student will discover ways that scientists use data, models, and technology to gather and apply information.</p> <p>The student will learn about atomic composition and the properties of matter. They will also distinguish between chemical and physical changes in matter and investigate how thermal energy transfer affects particle motion in matter.</p> <p>This course examines the relationship between potential and kinetic energy as the student explores how mass and speed affect energy transfer.</p> <p>Additionally, the student will discover how different types of waves transmit light, sound, and other forms of energy both in the presence and absence of matter.</p> <p>Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.</p>
Gifted and Talented Science 8 B	<p>Science 8B uses multiple media sources to foster scientific inquiry and spark curiosity as the student studies elements of the physical sciences. Throughout this course, the student will discover ways that scientists use data, models, and technology to gather and apply information.</p> <p>This course investigates the relationship between force and motion as the student explores Newton's Laws of Motion. The student will learn about the unseen forces of gravity, magnetism, and electricity as they determine factors that affect the strength of these forces.</p> <p>The role of design in machines are also explored as the student investigates the relationship between force and work with regards to the transfer of mechanical energy.</p> <p>Throughout the course, the student will engage in activities that promote critical thinking, explore increasingly complex conceptual relationships, and encourage them to be curious about the world they live in and explore ways to test and apply their ideas.</p>
Health and Physical Education 6	<p>The Health and Physical Education course will provide the student with the foundation for concepts and skills necessary for lifelong health and physical fitness. In the health portion of the course, the student will be introduced to and assessed on various topics ranging from body systems to proper nutrition and fitness, as well as understanding what it means to be healthy. The student will also be introduced to skills that can be applied toward healthy behaviors. The physical education portion of the course will offer great freedom as the student will be able to choose a physical education regimen that will fit the student's individual needs. The student will be given a choice of three paths that place emphasis on lifelong activities as well as current fitness trends. Physical education lessons are geared toward a "physically fit" lifestyle that will aid the student in the years to come and ensure a higher quality of life.</p>

Health and Physical Education 7	The Health and Physical Education course will guide the student through material that will promote healthy, active lifestyles. Health topics include issues that are relevant to the age group, such as mental and emotional health, conflict resolution, and bullying. The student will also be immersed in the prevention and avoidance of drugs, alcohol, and tobacco. The student will receive the necessary strategies to help avoid the pitfalls of unhealthy and risky behaviors. The physical education portion of the course will offer great freedom as the student will be able to choose a physical education regimen that will fit the student's individual needs. The student will be given a choice of three paths that place emphasis on lifelong activities as well as current fitness trends. Physical education lessons are geared toward a "physically fit" lifestyle that will aid the student in the years to come and ensure a higher quality of life.
Health and Physical Education 8	The Health and Physical Education course will introduce the student to vital health concepts and reinforce health skills that promote healthy behaviors. The student will learn the functions and structures of various body systems as well as the care and prevention of disease to these systems. The student will learn about communicable diseases and how to prevent the spread of such diseases. The student will also be able to demonstrate the importance of proper nutrition by planning and analyzing meals and nutritional values. Proper actions in emergencies and safety procedures will also be included. The physical education portion of the course will offer great freedom as the student will be able to choose a physical education regimen that will fit the student's individual needs. The student will be given a choice of three paths that place emphasis on lifelong activities as well as current fitness trends. Physical education lessons are geared toward a "physically fit" lifestyle that will aid the student in the years to come and ensure a higher quality of life.
Language Arts 6 A	<p>In this course, students will sharpen and strengthen their skills in reading, writing, listening, and speaking. The student is exposed to a wide variety of writing styles to create a sense of curiosity and excitement.</p> <p>During this course, the student will learn to make connections between readings, podcasts, radio clips, videos, and the world. The student will also expand an academic vocabulary and build confidence through independent reading, peer model videos, and practice opportunities. The student will write expository and creative compositions and employ test-taking strategies that are effective for different types of learners.</p>
Language Arts 6 B	<p>In this course, students will sharpen and strengthen their skills in reading, writing, listening, and speaking. The student is exposed to a wide variety of writing styles to create a sense of curiosity and excitement.</p> <p>During this course, the student will learn how to identify credible sources as well as compose argumentative and narrative essays using formal writing techniques. Students will also compare different types of media used to tell stories. These methods include textual, audio, and visual media types.</p>
Language Arts 7 A	In this course, the student will focus on reading, writing, and analyzing informational and narrative texts, as well as developing their vocabulary and grammatical knowledge. The student will read poetry by Lewis Carroll and Danile Beatty, short stories, and informational texts on Rose Parks and Army Code.
Language Arts 7 B	In this course, the student will focus on reading, writing, and analyzing informational and narrative texts, as well as developing their vocabulary and grammatical knowledge. The student will read classics including Great Expectations and Peter Pan, as well as non-fiction historical texts.
Language Arts 8 A	In this course, the student studies and analyzes explanatory, informational, and argumentative texts. Throughout the course curiosity and critical thinking are encouraged as the student practices reading comprehension through analogy and allusion in works by O. Henry and Roald Dahl. The student will learn to make connections between reading and the world around them as they read interesting texts about Female WWII Pilots and the Invention of the Popsicle. Their academic vocabulary will be expanded as they explore word choice and meaning to refine communication skills in reading, writing, listening, and speaking. This course presents strategies to strengthen writing skills through grammar, punctuation, and sentence and paragraph structure. The student will refine, reinforce and apply these skills through their own explanatory and persuasive compositions.
Language Arts 8 B	In this course, the student is exposed to a wide variety of writing styles that create a sense of curiosity and excitement. Throughout the course the student will explore and analyze several literary genres including narrative, poetry, suspense, and humor. The student will also explore character development and dramatic irony as they participate in fictional novel study. Then, they will sharpen their writing skills as they create their own narrative story. Additionally, this course provides the opportunity for the student to exercise curiosity and inquiry skills through short and long-term research as they conduct and present observations and conclusions from their own research project.
Math 6 A	In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong mathematical thinkers. Daily instruction supports student learning of core math concepts and development of procedural fluency regarding ordering numbers; working with whole numbers and decimals; ratios and percentages; rates and measurements; the coordinate plane; number theory and fractions; and adding and subtracting fractions. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and mathematical principles to come to life. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target mathematical skill using a real-world example. 21st Century instruction further illustrates the connection of mathematical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Mathematical discussion prompts encourage students to revise misunderstanding, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials explicitly and frequently remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and masters the skills to succeed in work and life.

Math 6 B

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong mathematical thinkers. Daily instruction supports student learning of core math concepts and development of procedural fluency regarding multiplying and dividing fractions; expressions and equations; inequalities; area and volume; coordinate geometry and nets; and statistics. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and mathematical principles to come to life. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target mathematical skill using a real-world example. 21st Century instruction further illustrates the connection of mathematical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Mathematical discussion prompts encourage students to revise misunderstanding, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials explicitly and frequently remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and masters the skills to succeed in work and life.

Math 7 A

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong mathematical thinkers. Daily instruction supports student learning of core math concepts and development of procedural fluency regarding rational numbers; unit rates and proportions, proportional relationships; algebraic expressions; solving one-, two-, and multi-step equations; inequalities; angle pairs; triangles; area and perimeter; surface area; volume; probability; and statistics. Daily instruction supports student learning of core math concepts and development of procedural fluency. Students are encouraged to use visual representation of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and mathematical principles to come to life. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target mathematical skill using a real-world example. 21st Century instruction further illustrates the connection of mathematical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Mathematical discussion prompts encourage students to revise misunderstanding, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. The courses are designed to support a growth mindset regarding math and encourage students to engage in productive struggle; instructional materials explicitly and frequently remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and masters the skills to succeed in work and life.

Math 7 B

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong mathematical thinkers. Daily instruction supports student learning of core math concepts and development of procedural fluency regarding inequalities; angle pairs; triangles; area and perimeter; surface area; volume; probability; and statistics. Students are encouraged to use visual representation of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and mathematical principles to come to life. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target mathematical skill using a real-world example. 21st Century instruction further illustrates the connection of mathematical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Mathematical discussion prompts encourage students to revise misunderstanding, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials explicitly and frequently remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and masters the skills to succeed in work and life.

Middle Chinese I

Chinese I is an introductory-level course that will introduce the student to Mandarin Chinese. The units are designed to introduce the student to Chinese language and culture through familiar topics such as my family, my week, and food. Culture is presented throughout the course to help the student make connections between his culture and the culture of people in the Mandarin-speaking world.

Please Note: The World Languages courses require a headset and microphone which is compatible with the computer being used for the course. This equipment is not provided by Connections Education.

Middle Chinese II

Middle Chinese II enables the student to further develop his communication skills as studies Mandarin Chinese at a more advanced level. The student will continue to learn about Chinese culture as the student studies about historic places in China and other Mandarin-speaking countries and learns of the holidays and special traditions celebrated there. The student will practice his acquisition of Mandarin Chinese skills by continuing to converse with a native Mandarin speaker.

Please Note: The World Languages courses require a headset and microphone which is compatible with the computer being used for the course. This equipment is not provided by Connections Education.

Middle Spanish I

Middle Spanish I is an introductory-level course that will introduce the student to Spanish. The units are designed to introduce the student to Spanish language and culture through familiar topics such as my family, my week, and food. Culture is presented throughout the course to help the student make connections between his culture and the culture of people in the Spanish-speaking world.

Please Note: The World Languages courses require a headset and microphone which is compatible with the computer being used for the course. This equipment is not provided by Pearson Virtual Schools.

Middle Spanish II

Middle Spanish II enables the student to further develop the communicative skills of listening, speaking, reading, and writing of Spanish at a more advanced level. The units are designed to develop the student's knowledge of Spanish language and culture through familiar topics such as my school, my family, and my neighborhood. Culture is presented throughout the course to help the student make connections between his culture and the culture of people in the Spanish-speaking world.

Please Note: The World Languages courses require a headset and microphone which is compatible with the computer being used for the course. This equipment is not provided by Pearson Virtual Schools.

Precalculus B

This is the second of two courses that comprise Precalculus. In this course, the student will continue to study higher-level mathematics. The student will expand knowledge of trigonometric concepts, including trigonometric functions and identities, before being introduced to polar coordinates and equations. Next, the student will explore vectors and parametric equations. Finally, the student will examine calculus concepts including limits and derivatives in preparation for studying calculus.

A content thread throughout the course focuses on ways mathematics is applied in the real world and is essential to everyday life. These real-world connections, combined with an emphasis on mathematical reasoning and critical thinking skills, prepare the student for future college and career opportunities.

Science 6 A

Science 6A explores natural objects and phenomenon on our planet, in our solar system, and beyond. This course uses multiple media sources to foster scientific inquiry and spark curiosity.

The student will use models to explore the relationship between the sun, moon, and Earth and formulate explanations of lunar phases, eclipses, and seasons. Scientific views and evidence of how Earth and other objects in the universe were formed are presented as the student learns about galaxies, asteroids, and stars.

The student will analyze and interpret data from rock layers and fossils giving clues to Earth's age. They will also discover how Earth has changed over time as the student makes connections between Earth's energy systems and plate tectonics.

Science 6 B

Science 6B uses multiple media sources to foster scientific inquiry and spark curiosity. The student will discover ways that scientists use data, models, and technology gather information and make predictions.

Throughout this course, the student will investigate topics such as weather, climate, and natural resources. The student will collect and analyze data to discover how changes to weather conditions occur. They will also use scientific models to investigate how atmospheric circulation produces climate patterns and how thermal energy transfer affects climate.

This course explains renewable and non-renewable resources and the environmental implications associated with methods of managing and using energy resources. The student will identify and describe human activities that contribute to global climate change.

The student will also learn about natural hazards and how scientists use historical data to forecast and prepare for future catastrophic events.

Science 7 A

Science 7A uses multiple media sources to foster scientific inquiry and spark curiosity as the student explores topics such as cells, body systems, reproductive strategies, and genetics.

The student will investigate cell structure in plants and animals and discover how organisms use cells to perform complex life functions.

They will also identify and describe the functions of several body systems including the respiratory, circulatory, digestive, and excretory systems.

Additionally, the student will evaluate reproductive strategies and genetics to discover the important roles they play in the survival of organisms.

Science 7 B

Science 7B uses multiple media sources to foster scientific inquiry and spark curiosity. Throughout this course, the student will discover ways that scientists use data, models, and technology to gather and apply information.

This course explores the role of plants and photosynthesis in the cycling of matter and the flow of energy into and out of organisms. The student will analyze and interpret data to determine the effects of resource availability on biodiversity among populations in an ecosystem.

The topics of evolution, natural selection, and scientific classification are also presented throughout this course. The student will analyze and interpret data for patterns in the fossil record that document the change of life forms and examine genetic variations of a population over time. The student will also learn how scientists classify organisms based on similar characteristics.

Science 8 A	<p>Science 8A uses multiple media sources to foster scientific inquiry and spark curiosity as the student explores topics in the physical sciences. Throughout this course, the student will discover ways that scientists use data, models, and technology to gather and apply information.</p> <p>The student will learn about atomic composition and the properties of matter. They will also distinguish between chemical and physical changes in matter and investigate how thermal energy transfer affects particle motion in matter.</p> <p>This course examines the relationship between potential and kinetic energy as the student explores how mass and speed affect energy transfer.</p> <p>Additionally, the student will discover how different types of waves transmit light, sound, and other forms of energy both in the presence and absence of matter.</p>
Science 8 B	<p>Science 8B uses multiple media sources to foster scientific inquiry and spark curiosity as the student studies elements of the physical sciences. Throughout this course, the student will discover ways that scientists use data, models, and technology to gather and apply information.</p> <p>This course investigate the relationship between force and motion as the student explores Newton's Laws of Motion. The student will learn about the unseen forces of gravity, magnetism, and electricity as they determine factors that affect the strength of these forces.</p> <p>The role of design in machines are also explored as the student investigates the relationship between force and work with regards to the transfer of mechanical energy.</p>
Sign Language 6-8	<p>Did you know that American Sign Language (ASL) is the third most commonly used language in North America? Learn introductory vocabulary and simple sentences so that you can start communicating right away. Importantly, explore Deaf culture social beliefs, traditions, history, values, and communities influenced by deafness.</p>
Social Studies 6 A (CL Only)	<p>This course offers a broad survey of world history from the beginnings of civilization to the earliest river valley civilizations in Africa and Asia. The course examines world political, economic, geographic, and social history from a hybrid regional and chronological point of view. Throughout the course, the student will make connections between geography, politics, and economics, and their impact on world events and the human progress. The student will enhance his social studies skills by completing activities that teach analysis of primary and secondary sources, reading graphs and maps, organizing information, and more. Lessons are designed to develop the student's ability to read, question, analyze, interpret, and evaluate different forms of information. Pearson's MyWorld Interactive World History provides the basis for instruction.</p>
Social Studies 6 B	<p>This course offers a broad survey of world history from classical Greece and Rome to major civilizations in Africa, Asia, and the Americas. The course examines world political, economic, geographic, and social history from a hybrid regional and chronological point of view. Throughout the course, the student will make connections between geography, politics, and economics, and their impact on world events and the human progress. The student will enhance his social studies skills by completing activities that teach analysis of primary and secondary sources, reading graphs and maps, organizing information, and more. Lessons are designed to develop the student's ability to read, question, analyze, interpret, and evaluate different forms of information. Pearson's MyWorld Interactive World History provides the basis for instruction.</p>
Social Studies 6 B (CL Only)	<p>This course offers a broad survey of world history from classical Greece and Rome to the rise of the Roman Empire. It also includes a study of Feudalism in Europe. The course examines world political, economic, geographic, and social history from a hybrid regional and chronological point of view. Throughout the course, the student will make connections between geography, politics, and economics, and their impact on world events and the human progress. The student will enhance his social studies skills by completing activities that teach analysis of primary and secondary sources, reading graphs and maps, organizing information, and more. Lessons are designed to develop the student's ability to read, question, analyze, interpret, and evaluate different forms of information. Pearson's MyWorld Interactive World History provides the basis for instruction.</p>
Social Studies 7 A	<p>This course offers a broad survey of world history from major civilizations in Africa, East Asia, and West Asia to early cultures in the Americas. It also includes a study of Feudalism in Europe. The course examines world political, economic, geographic, and social history from a hybrid regional and chronological point of view. Throughout the course, the student will make connections between geography, politics, and economics, and their impact on world events and the human progress. The student will enhance her social studies skills by completing activities that teach analysis of primary and secondary sources, reading graphs and maps, organizing information, and more. Lessons are designed to develop the student's ability to read, question, analyze, interpret, and evaluate different forms of information. Pearson's MyWorld Interactive World History provides the basis for instruction.</p>
Social Studies 7 A	<p>Picture this: a ragged band of farmers, angry about high taxes and the lack of a voice in their government, defies the British Empire. Soldiers are sent to intimidate them, but the farmers will not back down. With a "shot heard 'round the world," the American Revolution erupts, and the United States is born. Inspired by America's example, people from all over the world begin to embrace a new kind of democracy. Civics, a one-semester course, provides an in-depth look at the origins of American democracy from the influence of philosophers to the Declaration of Independence and the framing of the Constitution. The course also explores federalism, civil liberties, and the three branches of government. You will gain an understanding of how the government functions, the duties of your elected officials, and your own rights and responsibilities as a U.S. citizen. The course concludes by examining state and local governments and discussing how to get involved in shaping policies that affect your community.</p>

Social Studies 7 B	<p>This course offers a broad survey of world history from the Renaissance and the Enlightenment to modern times. The course examines world political, economic, geographic, and social history from a hybrid regional and chronological point of view. Throughout the course, the student will make connections between geography, politics, and economics, and their impact on world events and the human progress. The student will enhance her social studies skills by completing activities that teach analysis of primary and secondary sources, reading graphs and maps, organizing information, and more. Lessons are designed to develop the student's ability to read, question, analyze, interpret, and evaluate different forms of information. Pearson's MyWorld Interactive World History provides the basis for instruction.</p>
Social Studies 7 B (FL Only)	<p>Picture this: a ragged band of farmers, angry about high taxes and the lack of a voice in their government, defies the British Empire. Soldiers are sent to intimidate them, but the farmers will not back down. With a "shot heard 'round the world," the American Revolution erupts, and the United States is born. Inspired by America's example, people from all over the world begin to embrace a new kind of democracy. Civics, a one-semester course, provides an in-depth look at the origins of American democracy from the influence of philosophers to the Declaration of Independence and the framing of the Constitution. The course also explores federalism, civil liberties, and the three branches of government. You will gain an understanding of how the government functions, the duties of your elected officials, and your own rights and responsibilities as a U.S. citizen. The course concludes by examining state and local governments and discussing how to get involved in shaping policies that affect your community.</p>
Social Studies 8 A 1492–Pres (CL Only)	<p>This course offers a broad survey of United States history from the pre-colonial period through the Civil War. The course examines U.S. political, economic, and social history from a chronological point of view. Throughout the course, the student will make connections between historical events and their impact on the American people and landscape. The student will enhance social studies skills by completing activities that teach understanding primary sources, reading time lines and graphs, comparing and contrasting, recognizing bias, and more. Lessons are designed to develop the student's abilities to question, read, analyze, interpret, and evaluate different forms of information. The student will also practice geography skills by exploring the evolution of America's geography and its historical impact. Pearson's American History provides the basis for instruction.</p>
Social Studies 8 B	<p>This course offers a broad survey of United States history from the Reconstruction Era to the present. The course examines U.S. political, economic, and social history from a chronological point of view. Throughout the course, the student will make connections between historical events and their impact on the American people and landscape. The student will enhance social studies skills by completing activities that teach understanding primary sources, reading time lines and graphs, comparing and contrasting, recognizing bias, and more. Lessons are designed to develop the student's abilities to question, read, analyze, interpret, and evaluate different forms of information. The student will also practice geography skills by exploring the evolution of America's geography and its historical impact. Pearson's American History provides the basis for instruction.</p>
Algebra 1 A	<p>In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding rational and irrational numbers; structures of expressions; 1-variable equations and inequalities; quadratic equations; 2-variable equations and inequalities; functions and their graphs; and linear and exponential sequences. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.</p>

Algebra 1 B

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding function analysis, transformations of functions, solving problems with functions, univariate data sets, bivariate data sets, and modeling with algebra. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.

Algebra 1 A, Part 1

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding rational and irrational numbers; structures of expressions; 1-variable equations and inequalities; and quadratic equations. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.

Algebra 1 A, Part 2

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding 2-variable equations and inequalities; functions and their graphs; and linear and exponential sequences. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.

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Algebra 2 A

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding polynomials; polynomial functions and graphs; rational expressions and equations; complex numbers; trigonometry; periodic functions; and exponents and radicals. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.

Algebra 2 B

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Algebra 2 A, Part 1

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Algebra 2 A, Part 2

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding trigonometry; periodic functions; and exponents and radicals. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.

Algebra 2 B, Part 1

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding logarithms; exponential and logarithmic functions; finite geometric series; and storytelling with functions. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.

Algebra 2 B, Part 2

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding modeling data distributions; statistical studies and randomization; conclusions from sample data; and conclusions from experimental data. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.

Algebra with Finance A

In the first semester of this course, the student will focus on data and its many uses in the real world. The student will begin by exploring ways to represent data through several types of graphs, and will then develop strategies for interpreting data, methods for collecting data, and techniques for analyzing and using data. The course concludes with a detailed study of probability and probability models.

Algebra with Finance B

In the second semester of this course, the student will explore useful personal finance topics, including wages, budgeting, personal taxes, credit cards, banking choices, home and automobile financing, insurance, savings, and investments. The latter part of this course is dedicated to appreciating math in diverse fields, such as science, art, architecture, and music.

American Government - single semester

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of civics and American government. The course focuses on a variety of topics, including the Constitution, the structure and function of government, civil rights, economic policy, politics, and participation in the political process. American Government instruction is presented in close alignment with the national and state standards. Daily instruction supports student learning of core government and civics content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which students view a video of a peer learning how to use and apply the target skill or concept, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in work and life. Text assets and visual media are used frequently throughout the course to allow the student to gain experience in reading and interpreting data from a variety of sources. Students put an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow students to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student gains an awareness of the structure and function of American government, grows as a critical thinker and eventual participant in the political process, and masters the skills to succeed in work and life.

American Government A	<p>In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of civics and American government. The course focuses on a variety of topics, including the Constitution, the structure and function of government, civil rights, economic policy, politics, and participation in the political process. American Government instruction is presented in close alignment with the national and state standards. Daily instruction supports student learning of core government and civics content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which students view a video of a peer learning how to use and apply the target skill or concept, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in work and life. Text assets and visual media are used frequently throughout the course to allow the student to gain experience in reading and interpreting data from a variety of sources. Students put an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow students to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student gains an awareness of the structure and function of American government, grows as a critical thinker and eventual participant in the political process, and masters the skills to succeed in work and life.</p>
American Government B	<p>In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of civics and American government. The course focuses on a variety of content areas, including forms of government, economic policy, political parties, culture, and the role of the media, and participation in the political process. Daily instruction supports student learning of core government and civics content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which the student views a video of a peer learning how to use and apply the target skill or concept, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in work and life. Text assets and visual media are used frequently throughout the course to allow the student to gain experience in reading and interpreting data from a variety of sources. The student puts an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow the student to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student gains an awareness of the structure and function of American government, grows as a critical thinker and eventual participant in the political process, and masters the skills to succeed in work and life.</p>
AP Biology A	<p>In this course, the student will gain a foundation in the Life Sciences by focusing on four major themes: 1) how evolution drives the diversity and unity of life; 2) how life uses free energy to maintain homeostasis; 3) how living systems store, retrieve, transmit, and respond to information; and 4) how biological systems interact with each other. These themes are supported by a broad range of biological subdisciplines including biochemistry, molecular biology, cell biology, genetics, physiology, and ecology. The student will use practical experimentation to develop inquiry and reasoning skills to explore these themes throughout the course. This course effectively prepares the student for success on the AP® Biology exam by promoting the deductive reasoning and experimental interpretation skills emphasized in the AP curriculum.</p>
AP Biology B	<p>In this course, the student will gain a foundation in the Life Sciences by focusing on four major themes: 1) how evolution drives the diversity and unity of life; 2) how life uses free energy to maintain homeostasis; 3) how living systems store, retrieve, transmit, and respond to information; and 4) how biological systems interact with each other. These themes are supported by a broad range of biological subdisciplines including biochemistry, molecular biology, cell biology, genetics, physiology, and ecology. The student will use practical experimentation to develop inquiry and reasoning skills to explore these themes throughout the course. This course effectively prepares the student for success on the AP® Biology exam by promoting the deductive reasoning and experimental interpretation skills emphasized in the AP curriculum.</p>
AP Calculus AB A	<p>In this course, the student will complete the first semester of coursework similar to a first-year college-level calculus course. This course covers the framework, mathematical practices, and learning objectives for an AP® Calculus AB course as recommended by the College Board. This course provides experience with the methods and applications of calculus and effectively prepares the student to take the AP Calculus AB exam in the spring. The overarching topics in this course are limits, continuity, derivatives, methods of finding derivatives, and applications of derivatives. The student will interact with lesson content, multimedia presentations, an online textbook, and a graphing utility to meet learning goals throughout the course. Featured learning strategies in this course include direct instruction, regular checks and practices, discussions, portfolios, and a practice assessment for the AP Calculus AB exam.</p>
AP Calculus AB B	<p>In this course, students will complete the second semester of coursework similar to a first-year college-level calculus course. This course covers the framework, mathematical practices, and learning objectives for an AP® Calculus AB course as recommended by the College Board. This course provides experience with the methods and applications of calculus and effectively prepares the student to take the AP Calculus AB exam in the spring. The overarching topics in this course are integrals, methods of finding integrals, applications of integrals, differential equations, and mathematical modeling. The student will interact with lesson content, multimedia presentations, an online textbook, and a graphing utility to meet learning goals throughout the course. Featured learning strategies in this course include direct instruction, regular checks and practices, discussions, portfolios, a project that applies concepts from across the course, and a practice assessment for the AP Calculus AB exam.</p>
AP English Language and Composition A	<p>In AP English Language and Composition, students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in communications, creative writing, journalism, literature, and composition.</p> <p>Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP Exam. This course has been authorized by the College Board® to use the AP designation.</p>

AP English Language and Composition B	<p>In AP English Language and Composition, students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in communications, creative writing, journalism, literature, and composition.</p> <p>Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP Exam. This course has been authorized by the College Board® to use the AP designation.</p>
AP English Literature & Composition A	<p>The AP® English Literature and Composition course provides high school students with college-level instruction in reading, interpreting, and analyzing a range of imaginative texts. The student will become a skilled reader of literature written in various periods, disciplines, and styles. The student will learn about elements of poetry and the novel such as language, style, and tone, as well as become immersed in a study of drama involving William Shakespeare's King Lear. In addition, the student will deepen understanding of language, structure, and style by composing a variety of written texts—both formal and informal—that use literary tools and structures to analyze, argue, and inform. This course effectively prepares the student for the AP English Literature and Composition exam by enabling reading, writing, and comprehension of complex texts, while developing further communication skills on a college level.</p>
AP English Literature & Composition B	<p>The AP® English Literature and Composition course provides high school students with college-level instruction in reading, interpreting, and analyzing a range of imaginative texts. The student will become a skilled reader of literature written in various periods, disciplines, and styles. The student will explore the fundamentals of fiction and engage in a study of the contemporary novel, along with elements of poetry such as sound, structure, and syntax. The student will deepen understanding of language, structure, and style by composing a variety of written texts—both formal and informal—that use literary tools and structures to analyze, argue, and inform. This course effectively prepares the student for the AP English Literature and Composition exam by enabling reading, writing, and comprehension of complex texts, while developing further communication skills on a college level.</p>
AP Environmental Science A & B	<p>AP Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course draws upon various disciplines, including geology, biology, environmental studies, environmental science, chemistry, and geography in order to explore a variety of environmental topics. Topics explored include natural systems on Earth; biogeochemical cycles; the nature of matter and energy; the flow of matter and energy through living systems; populations; communities; ecosystems; ecological pyramids; renewable and nonrenewable resources; land use; biodiversity; pollution; conservation; sustainability; and human impacts on the environment. The equivalent of an introductory college-level science course, AP Environmental Science prepares students for the AP exam and for further study in science, health sciences, or engineering.</p> <p>AP Environmental Science requires the completion of hands-on lab activities and has been approved by the College Board as meeting all requirements for a laboratory science course.</p> <p>This course has been authorized by the College Board® to use the AP designation.</p>
AP Human Geography A & B	<p>The AP® Human Geography course provides high school students with college-level instruction in using a spatial perspective to study how humans understand and use Earth's surface. The student will become skilled in interpreting maps and geospatial data in order to draw conclusions about what is revealed and hidden. The student will hone analysis skills by learning to recognize, interpret, and assess patterns related to population, migration, folk and popular culture, language and religion, and politics. This course effectively prepares the student for the AP Human Geography exam by providing practice in the skills necessary to apply geographic concepts, interpret data, and synthesize information in both multiple-choice and constructed-response formats.</p>
AP Macroeconomics	<p>AP Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP exam and for further study in business, political science and history. This course has been authorized by the College Board® to use the AP designation.</p>
AP Microeconomics	<p>AP Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The equivalent of a 100-level college course, AP Microeconomics prepares students for the AP exam and for further study in business, history, and political science.</p> <p>This course has been authorized by the College Board® to use the AP designation.</p>

AP Psychology	<p>AP Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self reflection. They will study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of an introductory college-level survey course, AP Psychology prepares students for the AP exam and for further studies in psychology or life sciences.</p> <p>This course has been authorized by the College Board® to use the AP designation.</p>
AP Spanish Language and Culture A & B	<p>AP Spanish Language and Culture students practice perfecting their Spanish speaking, listening, reading, and writing skills. They study vocabulary, grammar, and cultural aspects of the language, and then apply what they learn in extensive written and spoken exercises. The course addresses the broad themes of Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. By the end of the course, students will have an expansive vocabulary, a solid, working knowledge of all verb forms and tenses, strong command of other language structures, and an ability to use language in many different contexts and for varied purposes. The equivalent of a college-level language course, AP Spanish Language prepares students for the AP exam and for further study of Spanish language, culture, or literature.</p> <p>This course has been authorized by the College Board® to use the AP designation.</p>
AP Statistics A & B	<p>AP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.</p> <p>This course has been authorized by the College Board to use the AP designation.</p>
AP United States Government and Politics	<p>The AP® United States Government and Politics course provides high school students with college-level instruction in using disciplinary practices to examine key ideas, institutions, and behaviors in American government. The student will look critically at the fundamental beliefs and philosophies that shaped American government and how those ideas have been interpreted and applied throughout history. The student will develop a deep understanding of the U.S. Constitution and the American political system—both its formal and informal processes and procedures. In addition, the student will examine specific governmental institutions, policies, interactions, and behaviors within the political system. Through study of each of these areas, the student will hone reasoning skills by developing evidence-based arguments, interpreting various types of data, and analyzing key documents, including foundational documents and Supreme Court decisions. This course effectively prepares the student for the AP United States Government and Politics exam by providing practice in the skills necessary to draw reasoned conclusions in both multiple-choice and constructed-response formats.</p>
AP United States History A & B	<p>The AP® United States History course provides high school students with college-level instruction in using disciplinary practices and historical reasoning to examine the history of the United States from approximately 1491 to the present. The student will look critically at how the American identity has developed over the course of American history and how it has been informed by the changing nature of American culture and societal structures and norms. Students will recognize and interpret patterns of migration and settlement—both to and within the United States—and how those patterns impacted and were impacted by aspects of regional geography and environment. The student will also consider political and economic patterns and relationships in American history, both within the nation and with the global community at large. Through their study of each of these areas, the student will hone reasoning skills to contextualize patterns and events, identify causation and continuity, and analyze change over time. The course is presented both chronologically with content divided into nine time periods, as well as thematically to reinforce that key themes form connections between different regions and time periods in American history. This course effectively prepares students for the AP United States History exam by providing practice in the skills necessary to analyze primary and secondary sources, construct evidence-based arguments, and draw reasoned conclusions in both multiple-choice and constructed-response formats.</p>
Aventa HS French I A	<p>The goal of this course is to give the student basic listening, speaking, reading, and writing skills through interesting and engaging activities. This course is organized into five topics including greetings, calendar, weather, time, and colors. The student will learn to talk about himself and other people, describe his surroundings, and use numbers for dates and times. The student will be introduced to regular verbs in the present tense and will practice simple grammatical structures in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help the student understand the context of the language and the perspectives of the French-speaking world.</p>
Aventa HS French I B	<p>The goal of this course is to continue to give the student basic listening, speaking, reading, and writing skills through a variety of activities. Throughout the course, the student will learn to talk about himself and other people, describe his surroundings, and use numbers for dates and times. The student will be introduced to irregular verbs in the present tense and will practice simple grammatical structures in innovative and interesting ways with a variety of learning styles in mind. In this course, the student will also begin to learn some complex grammar. Culture is presented throughout the course to help the student understand the context of the language and the perspectives of the French-speaking world.</p>

Aventa HS French II A	<p>This course builds on the skills the student learned in French I. In this course, the student will be introduced to a variety of areas of language learning. The student will learn listening, speaking, reading, and writing skills through a variety of activities. This course is organized into five topics: daily routine, animals, hobbies, the body, and descriptions. Throughout this course, the student will learn to express himself using an ever increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Elements of the French-speaking world and culture appear throughout the course, including people, geographical locations, and histories.</p>
Aventa HS French II B	<p>This course is a continuation of French II A. The student will continue to be introduced to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading, and writing skills through a variety of activities. This course is organized into five topics: house, shopping, entertainment, spare time, and travel. In this course, the student will learn to express himself using an ever increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Elements of the French-speaking world and culture appear throughout the course, including people, geographical locations, and histories.</p>
Aventa HS Spanish III A	<p>Spanish III A is a continuation of the first two years of Spanish instruction. The student will continue to sharpen his listening, speaking, reading, and writing skills through a variety of activities. This course is organized into five topics: feelings, transportation, work, countries, and the future. The student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, past-tense verbs, articles, and adjectives. Elements of the Spanish-speaking world and culture appear throughout the course, including people, geographical locations, and histories.</p>
Aventa HS Spanish III B	<p>Spanish III B is a continuation of the first two and a half years of Spanish instruction. The student will continue to sharpen his listening, speaking, reading, and writing skills through a variety of activities. Throughout the five topics covered in this course, the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, past-tense verbs, future-tense verbs, conditional-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Elements of the Spanish-speaking world and culture appear throughout the course, including people, geographical locations, and histories.</p>
Biology A & B	<p>Biology A is designed to give the student a strong basis for understanding the world. The course consists of a varied curriculum that provides the student the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum, which meets Next Generation Science Standards (NGSS), engages students in problem-solving and scientific investigation and provides opportunities for both hands-on exploration and virtual simulation.</p> <p>During this course, the student will study the science of life. The student will explore the idea that living things are extremely diverse in form, yet are unified by certain core characteristics that they all share. In learning about these core characteristics, the student will be able to critically evaluate data and information related to biological problems, connect many ideas to the student's own life, and see the world in a new way.</p>
Calculus A	<p>Calculus A introduces limits, differentiation, and applications of differentiation. The student will find and evaluate finite and infinite limits graphically, numerically, and analytically. The student will find derivatives using a variety of methods including the chain rule and implicit differentiation. Then the student will use the first derivative test and the second derivative test to analyze and sketch functions. Finally, the student will find derivatives using a variety of methods including substitution.</p> <p>The use of a graphing calculator is considered an integral part of the course and the student will use a graphing calculator throughout this course.</p>
Calculus B	<p>Calculus B introduces integration of functions, differential equations, and applications of integration. The student will calculate antiderivatives using a variety of methods including substitution. The student will evaluate integrals using a variety of methods including numerical integration. Then the student will understand and apply Riemann sums, definite integrals, and the Fundamental Theorem of Calculus. In particular, the student will differentiate and integrate logarithmic, exponential, and inverse trigonometric functions. The student will solve simple differential equations, which can be solved by separation of variables, and use the calculations to solve applied problems. The student will use integration to determine the area between two curves, volume, and surface area. Finally, the student will apply integration to determine work, center of mass, and fluid force.</p> <p>The use of a graphing calculator is considered an integral part of the course and the student will use a graphing calculator throughout this course.</p>
Career Planning and Skill Development	<p>As a high school student, it may seem like entering the workforce is right around the corner. It's important that you're prepared. The Career Planning and Skill Development course will introduce you to the workforce by having you explore your interests, values, and skills. Knowing yourself better in this way will help you plan for your future career. As part of this planning process, you will learn about a variety of career fields—from business, to education, to public service. Many career fields may interest you. The course also teaches you the important task of finding a job. You will learn how to write a cover letter and resume, fill out a job application, and act in an interview. You will learn the qualities of a successful employee, and additional career-related skills, such as problem-solving and communication.</p>
Chemistry A	<p>In this first of two courses that comprise Chemistry, the student will explore the fundamental concepts of chemistry, while engaging in hands-on and virtual lab experiments, and interdisciplinary problem-solving activities.</p> <p>The student will build on prior knowledge to learn how to model the structure of an atom, analyze the periodic table of elements, identify simple chemical reactions and investigate particulate electrical forces. The course provides many opportunities for the student to apply these concepts to real-world situations.</p>

Chemistry B	<p>In this second of two courses that comprise Chemistry, the student will explore the fundamental concepts of chemistry, while engaging in hands-on and virtual lab experiments, and interdisciplinary problem-solving activities.</p> <p>The student will build on prior knowledge to learn about how energy is transformed in chemical reactions, construct explanations of how energy and matter are related, apply the conservation of mass to calculate and compare quantities of substances in reactions, and develop models of nuclear processes.</p>
College Prep with ACT	<p>This course will help the student navigate through the Shmoop ACT Exam Prep Web site, access two full ACT® practice tests, and learn the necessary skills in order to take the ACT test. This course also includes several lessons on other critical aspects of preparing for college, including developing a college resume, writing effective personal essays, and requesting letters of recommendation.</p> <p>This course is intended to prepare the student to take the ACT test. As the student works through the course, he will focus on learning more about his strengths and weaknesses as well as learn test-taking strategies that are specific to the ACT test. That way, when the student takes the actual test, the scores will be a good representation of the student's abilities.</p> <p>Finally, the student will submit a College Planning Portfolio, which will reflect the areas for improvement that the student has identified throughout this course.</p>
College Prep with SAT	<p>This course will help the student navigate through the Official SAT Practice on the Khan Academy website, access four full SAT practice tests and multiple practice quizzes, and learn the necessary skills in order to be well-prepared to take the SAT test. This course also includes several lessons on other critical aspects of preparing for college, including developing the college resume, writing effective personal essays, and requesting letters of recommendation.</p> <p>This course is intended to prepare the student to take the SAT test. As the student works through the course, he will focus on learning more about his strengths and weaknesses as well as learn test-taking strategies that are specific to the SAT test. That way, when the student takes the actual test, the scores will be a good representation of the student's abilities.</p> <p>Finally, the student will submit a College Planning Portfolio, which will reflect the areas for improvement that the student has identified throughout this course.</p>
Consumer Math A	<p>This is the first of two courses that comprise Consumer Math. In this course, the student will learn that money is lost or gained depending upon the information a consumer has to help him make informed decisions. Retailers, banks, and credit card companies may not provide consumers with all the information they need to make good decisions. By the end of this course, the student will understand the history of money, define fixed costs and discretionary spending, understand the importance of savings, and recognize the dangers of debt. This course will ask the student to look hard at his financial choices including spending patterns, purchasing motivations, and how to make some difficult decisions.</p>
Consumer Math B	<p>This is the second of two courses that comprise Consumer Math. In this course, students will continue to learn how to make good financial decisions. Retailers, banks, and credit card companies may not provide consumers with all the information they need to make good decisions. By the end of this course, the student will differentiate between secured and unsecured debt, learn how to create a budget, examine a credit report, and discover the best way to increase income and decrease expenses. This course will provide the student with the skills to make good financial decisions.</p>
Driver's Education	<p>In this course, the student will learn the fundamental skills for responsible driving. This course emphasizes the mechanics of driving, execution of driving operations, and rules of safe driving. The student will identify and recognize traffic laws, signs and other markings, and basic checks on a vehicle. In addition, the student will learn the rules for sharing the roadway, responding to weather conditions, and other vehicle emergencies.</p>
Earth Science A	<p>Earth Science A is designed to give the student a strong basis for understanding the world. The course consists of a varied curriculum that provides the student the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum, which meets Next Generation Science Standards (NGSS), engages students in problem solving and scientific investigation, and provides opportunities for both hands-on exploration and virtual simulation.</p> <p>During this course, the student will learn about natural resources and explore issues surrounding human management of resources. Topics of study include water resources, energy resources, and rock, mineral, and land resources. The student will investigate the impact of resource consumption on humans and the environment. The student will also explore Earth's processes of rock and mineral formation and plate tectonics.</p>
Earth Science B	<p>Earth Science B is designed to give the student a strong basis for understanding the world. The course consists of a varied curriculum that provides the student the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum, which meets Next Generation Science Standards (NGSS), engages students in problem solving and scientific investigation, and provides opportunities for both hands-on exploration and virtual simulation.</p> <p>During this course, the student will learn about space sciences, including topics like the sun and stars, orbital motion, galaxies, and the universe. The student will also explore Earth's processes involving the atmosphere, hydrosphere, and geosphere. Topics of study include meteorology and geologic history.</p>
Economics	<p>Economics provides an introduction to the concepts of both macro- and microeconomics. Students explore topics such as scarcity, opportunity cost, and supply and demand. The course provides an overview of the free market and centrally planned economies, as well as how government influences economics. Students will also explore business and labor, money, banking, and finance. Economics introduces students to economic growth, development, and challenges in both the U.S. and the global economies.</p>

English 10 A (Honors)

In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher-order thinking. The Honors course provides a more rigorous approach to instruction, as the student is encouraged to analyze, synthesize, and evaluate both texts and ideas, make connections, and take an active role in expanding their depth of knowledge. Instruction focuses on classic and contemporary literature and compelling informational and explanatory texts, with an exploration of language and style elements. In addition, the student will gain the tools needed to become a proficient communicator through hands-on exploration of the writing process, culminating in the development of narrative and explanatory essays, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 10 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 10 A (Standard)

In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher-order thinking. Instruction focuses on a thorough understanding of classic and contemporary literature and compelling informational and explanatory texts, with an exploration of language and style elements. In addition, the student will gain the tools needed to become a proficient communicator through hands-on exploration of the writing process, culminating in the development of narrative and explanatory essays, as well as through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 10 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

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In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher-order thinking. Instruction focuses on a thorough analysis of classic and contemporary literature and compelling informational, explanatory, and argumentative texts along with an investigation of media literacy. In addition, the student will gain the tools needed to become a proficient communicator through hands-on and analytical exploration of the research and writing processes, culminating in the development of an argumentative essay, a book review, and a research paper/presentation, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 10 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

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In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher-order thinking. Instruction focuses on a thorough analysis of classic and contemporary literature and compelling informational, explanatory, and argumentative texts along with an investigation of media literacy. In addition, the student will gain the tools needed to become a proficient communicator through hands-on and analytical exploration of the research and writing processes, culminating in the development of an argumentative essay, a book review, and a research paper/presentation, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 10 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 11 A (Honors)

In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher-order thinking. The Honors course provides a more rigorous approach to instruction, as the student is encouraged to analyze, synthesize, and evaluate both texts and ideas, make connections, and take an active role in expanding their depth of knowledge. Instruction focuses on classic and contemporary literature and compelling informational and explanatory texts, with an exploration of language and style elements. In addition, the student will gain the tools needed to become a proficient communicator through hands-on exploration of the writing process, culminating in the development of narrative and explanatory essays, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 11 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 11 A (Standard)

In this course, the student will examine a variety of different literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher order thinking. Instruction focuses on a thorough understanding of classic and contemporary literature, poetry and drama, and compelling informational and explanatory text as well as an exploration of language and style elements. The student is also encouraged to become a proficient communicator through a hands-on exploration of the writing process, culminating in the development of narrative and explanatory essays, as well as through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the student attends to spelling, usage, mechanics, and grammar. Instruction in grade 11 English language arts is delivered through three unique modes: Narrative, or comprehensive instruction focused on a particular grade-level learning goal; Peer Model, in which a fellow student demonstrates the instruction through a video clip, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in college, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 11 B (Honors)

In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher-order thinking. The Honors course provides a more rigorous approach to instruction, as the student is encouraged to analyze, synthesize, and evaluate both texts and ideas, make connections, and take an active role in expanding their depth of knowledge. Instruction focuses on a thorough analysis of classic and contemporary literature and compelling informational, explanatory, and argumentative texts along with an investigation of media literacy. In addition, the student will gain the tools needed to become a proficient communicator through hands-on and analytical exploration of the research and writing processes, culminating in the development of an argumentative essay, a book review, and a research paper/presentation, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 11 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 11 B (Standard)

In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher-order thinking. Instruction focuses on a thorough analysis of classic and contemporary literature and compelling informational, explanatory, and argumentative texts along with an investigation of media literacy. In addition, the student will gain the tools needed to become a proficient communicator through hands-on and analytical exploration of the research and writing processes, culminating in the development of an argumentative essay, a book review, and a research paper/presentation, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 11 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 12 A (Honors)

In this course, the student will examine a variety of different literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher order thinking. The Honors course provides a more rigorous approach to instruction, as the student is encouraged to analyze, synthesize, and evaluate both text and ideas, make connections, and take an active role in expanding their depth of knowledge. Instruction focuses on a thorough understanding of classic and contemporary literature, poetry and drama, and compelling informational and explanatory text as well as an exploration of language and style elements. The student is also encouraged to become a proficient communicator through a hands-on exploration of the writing process, culminating in the development of narrative and explanatory essays, as well as through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the student attends to spelling, usage, mechanics, and grammar. Instruction in English 12 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 12 A (Standard)

In this course, the student will examine a variety of different literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher order thinking. Instruction focuses on a thorough understanding of classic and contemporary literature, poetry and drama, and compelling informational and explanatory text as well as an exploration of language and style elements. The student is also encouraged to become a proficient communicator through a hands-on exploration of the writing process, culminating in the development of narrative and explanatory essays, as well as through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the student attends to spelling, usage, mechanics, and grammar. Instruction in English 12 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model videos, in which a fellow student demonstrates the instruction, and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 12 B (Honors)

In this course, the student will examine a variety of different literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher order thinking. Instruction focuses on a thorough analysis of classic and contemporary literature and compelling informational, explanatory, and argumentative text along with an investigation of media literacy. The student is also encouraged to become a proficient communicator through a hands-on and analytical exploration of the research and writing processes, culminating in the development of an argumentative essay, a book review, and a research paper/presentation, as well as through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the student attends to spelling, usage, mechanics, and grammar. Instruction in English 12 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 12 B (Standard)

In this course, the student will examine a variety of different literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher order thinking. Instruction focuses on a thorough analysis of classic and contemporary literature and compelling informational, explanatory, and argumentative text along with an investigation of media literacy. The student is also encouraged to become a proficient communicator through a hands-on and analytical exploration of the research and writing processes, culminating in the development of an argumentative essay, a book review, and a research paper/presentation, as well as through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the student attends to spelling, usage, mechanics, and grammar. Instruction in English 12 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.

English 9 A (Honors)	<p>In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher-order thinking. The Honors course provides a more rigorous approach to instruction, as the student is encouraged to analyze, synthesize, and evaluate both texts and ideas, make connections, and take an active role in expanding their depth of knowledge. Instruction focuses on classic and contemporary literature and compelling informational and explanatory texts, with an exploration of language and style elements. In addition, the student will gain the tools needed to become a proficient communicator through hands-on exploration of the writing process, culminating in the development of narrative and explanatory essays, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 9 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.</p>
English 9 A (Standard)	<p>In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher-order thinking. Instruction focuses on classic and contemporary literature and compelling informational and explanatory texts, with an examination of language and style elements. In addition, the student will gain the tools needed to become a proficient communicator through hands-on exploration of the writing process, culminating in the development of narrative and explanatory essays, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 9 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model videos, in which a fellow student demonstrates the instruction, and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.</p>
English 9 B (Honors)	<p>In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher-order thinking. The Honors course provides a more rigorous approach to instruction, as the student is encouraged to analyze, synthesize, and evaluate both texts and ideas, make connections, and take an active role in expanding their depth of knowledge. Instruction focuses on a thorough analysis of classic and contemporary literature and compelling informational, explanatory, and argumentative texts along with an investigation of media literacy. In addition, the student will gain the tools needed to become a proficient communicator through hands-on and analytical exploration of the research and writing processes, culminating in the development of an argumentative essay, a book review, and a research paper/presentation, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 9 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.</p>
English 9 B (Standard)	<p>In this course, the student will examine a variety of literary genres, writing forms, and elements of discourse through the study, practice, and application of skills, strategies, and higher-order thinking. Instruction focuses on a thorough analysis of classic and contemporary literature and compelling informational, explanatory, and argumentative texts along with an investigation of media literacy. In addition, the student will gain the tools needed to become a proficient communicator through hands-on and analytical exploration of the research and writing processes, culminating in the development of an argumentative essay, a book review, and a research paper/presentation, and through the acquisition of speaking and listening skills required for thoughtful and respectful discussion. Additional instruction in revising and editing ensures the development of spelling, usage, mechanics, and grammar. Instruction in English 9 is delivered through three learning approaches: narrative, or comprehensive instruction focused on a particular grade-level learning goal; peer model, in which a fellow student demonstrates the instruction through videos; and 21st century, in which the student gains proficiency in the skills, knowledge, and expertise they must grasp to succeed in future education, in work, and in life. Throughout the course, engaging and thought-provoking activities allow the student to master a variety of related disciplines vital to their overall development as a reader, writer, and communicator.</p>
Explorations in Mathematics A	<p>This is the first of two courses that comprise Explorations in Mathematics. This course is designed to provide the student with a solid mathematics foundation. The student will explore properties of rational numbers including divisibility patterns, prime factorization, greatest common factor, and least common multiple. The student will add, subtract, multiply, and divide rational numbers. Then, the student will identify and solve expressions and equations using variables. Finally, the student will use properties, including the Associative Property, Commutative Property, and Distributive Property, to solve and simplify equations.</p>

Explorations in Mathematics B	This is the second of two courses that comprise Explorations in Mathematics. This course is designed to provide the student with a solid mathematics foundation. The student will be introduced to the properties of equality to solve one-step and multi-step equations. Then, the student will explore absolute value and how to compare values using absolute value. The student will examine the applications of one-step and multiple step equations. Finally, the student will be introduced to probability and statistics concepts including direct and inverse variation, mean, median, mode, counting principle, permutations, and combinations.
Exploring Music III	Designed for students in grades 6–8, this course enhances the student’s knowledge of musical cultures as he or she discovers a musical identity. Aligning to the National Core Arts Standards, this course provides the student with engaging opportunities to combine musical knowledge with an exploration of different art forms to create new personal works. The student will apply foundational knowledge of music to a variety of musical styles and cultures. With audio, visual, and interactive technologies, this course provides a unique and advanced learning experience. Exploring Music I and Exploring Music II are prerequisites for this course.
French III A	French III A is a continuation of the first two years of French instruction. The student will continue to improve his listening, speaking, reading, and writing skills through a variety of activities. The course is organized into five topics: feelings, transportation, work, countries, and the future. Throughout this course, the student will build on his previous French knowledge. The student will learn additional vocabulary, verb tenses, and grammatical structures that are appropriate to his level. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Exposure to the culture of France and other French-speaking countries can be found throughout the course in order to help the student understand French, which is a dynamic language that is used by millions of people throughout the world.
French III B	French III B is a continuation of the first two and a half years of French instruction. The student will continue to sharpen his listening, speaking, reading, and writing skills through a variety of activities. This course is organized into five topics: health, home, measurement, professions, and my history. The student will learn to express himself using an ever-increasing vocabulary, verbs in various tenses, articles, and adjectives. The student will review all verb tenses, including present tense, past tense, future tense, conditional tense, the passive voice, imperative verbs, and more. The student will learn to use two-object pronouns and review grammar from previous French instruction. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Elements of the French-speaking world and culture appear throughout the course, including people, geographical locations, and histories. The student will also learn about the various countries where French is spoken.
French IV A	French IV A continues to build on the skills the student has mastered in his previous French courses. The student will continue to sharpen his listening, speaking, reading, and writing skills through a variety of activities. Throughout the five topics in the course, the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, past-tense verbs, future-tense verbs, conditional-tense verbs, subjunctive mood, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. The course is rich in authentic reading material and native-speaker recordings and presentations to enrich culture, grammar, and vocabulary presentations. Elements of the French-speaking world and culture appear throughout the course, including people, geographical locations, and histories.
French IV B	This course is a continuation of the first three and a half years of French instruction. The student will continue to sharpen his listening, speaking, reading, and writing skills through a variety of activities. Throughout the five topics in this course, the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, past-tense verbs, future-tense verbs, conditional-tense verbs, subjunctive mood, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. The course is rich in authentic reading material and native-speaker recordings and presentations to enrich culture, grammar, and vocabulary presentations. Elements of the French-speaking world and culture appear throughout the course, including people, geographical locations, and histories.
Freshman Success	<p>The Freshman Success course aids students in a successful transition to high school. The courses units include Resources, Integrity, High School 101, Strategies for Success, and College and Career Readiness.</p> <p>The following are the course objectives:</p> <ul style="list-style-type: none"> Get to know available high school resources and support system Realize the importance of conducting oneself with integrity Understand why it is important to graduate from high school Identify and practice some general strategies that will contribute to success Learn about next steps after high school Get started on the right foot
GDP: Environmental Science A & B	These courses offer the student an opportunity to gain an understanding of the concepts fundamental to environmental science. These concepts are keys that will help unlock our abilities to safeguard resources, manage waste, reduce pollution, protect the food chain, adapt to changing fuel needs, and champion our planet on all levels – from the conscientious management of the smallest household to the protection of the largest biospheres.

Geography (World Geography)	Geography develops students' comprehension of the geographical concepts and skills needed to acquire information and systematically apply decision-making processes to real-life situations. Students will acquire an understanding of multiculturalism and the relationships between people and their environment. Geography explores the world's cultural regions by examining location, physical characteristics, demographics, historical changes, economic activity, and land use.
Geography and Society	In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into strong geographical thinkers. The course will focus on several overarching themes, including global migration patterns, physical land characteristics, resource distribution, and cultural identities. Geographical information is presented in close alignment with national and state standards. Daily instruction supports student learning of core geography concepts as well as critical thinking and literacy skills. Students will read and interpret case studies and other text assets in order to analyze different perspectives on various economic and political issues that affect the study of geography. Students are encouraged to read and analyze maps to gain a greater understanding of the measurement and data collection tools used in the field of geography. Instruction is presented in two modes: Peer Model and 21st Century. Peer Model videos throughout provide illustrations of a peer learning how to use and apply the target geographic skill. 21st Century instruction further illustrates the connection of geographical concepts to the real world while supporting students' development of skills, knowledge, and expertise they must master to succeed in work and life. Students are encouraged to listen critically, critique the reasoning of others, and justify their own solutions. Check-In and Practice activities allow students to review key concepts and apply what they have learned to real-world situations. Together the course elements ensure the student grows as a geographical thinker and masters the skills to succeed in work and life.
Geometry A & B	In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core geometry concepts and development of procedural fluency, beginning with geometry basics: points, lines, and planes; segments, angles, parallel lines, and perpendicular lines; and sides of triangles. The course continues with coverage of constructing regular shapes; transformations; triangle congruence; formal proofs; coordinate geometry; and similarity. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.
German I A & B	This is a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading, and writing skills through a variety of activities. Throughout the five units, or themes, of material (greetings, the date, weather, time, and colors), the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help the learner focus on the German-speaking world, people, geographical locations, and histories.
German II A	German II A is an intermediate level course that will introduce the student to a variety of areas of language learning. In this course, the student will continue to learn listening, speaking, reading, and writing skills through a variety of activities. Throughout the five units, or themes, of material (daily routine, animals, pastimes, the body, and descriptions), the student will learn to express himself using an ever-increasing vocabulary, past-tense verbs, demonstrative articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help the learner focus on the German-speaking world, people, geographical locations, and histories.
German II B	This course is a continuation of German II A. In this course, the student will continue to learn listening, speaking, reading, and writing skills through a variety of activities. Throughout the five units, or themes, of material (house, shopping, leisure, travel destinations, and flying), the student will learn to express himself using an ever-increasing vocabulary, past-tense verbs, dative expressions, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help the learner focus on the German-speaking world, people, geographical locations, and histories.
German III A	German III A is a continuation of the first two years of German instruction. In this course, the student will continue to learn and practice successful communication through speaking, writing, reading, and listening. Throughout the five units, or themes, of material (Die Gefühle, Der Verkehr, Bei der Arbeit, Land und Leute, and Die Zukunft), the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help the learner focus on the German-speaking world, people, geographical locations, and histories.

German III B

This course is a continuation of German III A. In this course, the student will continue to learn and practice successful communication through speaking, writing, reading, and listening. This course presents material according to a specific theme, and the student will learn to express himself through a variety of activities using his ever-increasing vocabulary and grammar knowledge. Culture is presented throughout the course to help the learner focus on the German-speaking world, people, geographical locations, and histories.

High School Health

This course provides the student with the opportunities to consider many influences on social, emotional, and physical health and well-being. The course covers information on healthy decisions, communication, goal setting and decision making, family dynamics, food and nutrition, substance abuse prevention, and prevention of STIs and HIV/AIDS. The student will also learn how to be a savvy consumer by being aware of consumer rights, techniques in advertising, and how to use checking and credit accounts responsibly.

Honors Algebra 1 A

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding rational and irrational numbers; structures of expressions; 1-variable equations and inequalities; quadratic equations; 2-variable equations and inequalities; functions and their graphs; and linear and exponential sequences. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.

Honors Algebra 1 B

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding function analysis, transformations of functions, solving problems with functions, univariate data sets, bivariate data sets, and modeling with algebra. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.

Honors Algebra 2 A & B

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core algebraic concepts and development of procedural fluency regarding polynomials; polynomial functions and graphs; rational expressions and equations; complex numbers; trigonometry; periodic functions; and exponents and radicals. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.

Honors American Government A

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of civics and American government. The course focuses on a variety of topics, including the Constitution, the structure and function of government, civil rights, and civil liberties. American Government instruction is presented in close alignment with national and state standards. Daily instruction supports student learning of core government and civics content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which the student views a video of a peer learning how to use and apply the target skill or concept, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in work and life. Text assets and visual media are used frequently throughout the course to allow the student to gain experience in reading and interpreting data from a variety of sources. The student puts an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow the student to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student gains an awareness of the structure and function of American government, grows as a critical thinker and eventual participant in the political process, and masters the skills to succeed in work and life.

Honors American Government B

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of civics and American government. The course focuses on a variety of content areas, including forms of government, economic policy, political parties, culture, and the role of the media, and participation in the political process. Daily instruction supports student learning of core government and civics content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which the student views a video of a peer learning how to use and apply the target skill or concept, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in work and life. Text assets and visual media are used frequently throughout the course to allow the student to gain experience in reading and interpreting data from a variety of sources. The student puts an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow the student to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student gains an awareness of the structure and function of American government, grows as a critical thinker and eventual participant in the political process, and masters the skills to succeed in work and life.

Honors American Government-Single Semester

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of civics and American government. The course focuses on a variety of topic areas, including the Constitution, political precedence and philosophy, the formation of the republic, the structure and function of government, foundational economic thought, civil rights and civil liberties, and civics and political participation. American Government instruction closely aligns with national and state standards. Daily instruction supports student learning of core government and civics content, as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which the student views a video of a peer learning how to use and apply the target skill or concept; and 21st Century Skills, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in life and work. Text assets and visual media are used frequently throughout the course to allow the student to gain experience in reading and interpreting data from a variety of sources. The student puts an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow the student to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student gains an awareness of the structure and function of American government, grows as a critical thinker and eventual participant in the political process, and masters the skills to succeed in life and work.

Honors Biology A & B	<p>Honors Biology A is designed to give the student a strong basis for understanding the world. The course consists of a varied curriculum that provides the student the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum, which meets Next Generation Science Standards (NGSS), engages students in problem-solving and scientific investigation and provides opportunities for both hands-on exploration and virtual simulation.</p>
	<p>During this course, the student will study the science of life. The student will explore the idea that living things are extremely diverse in form, yet are unified by certain core characteristics that they all share. In learning about these core characteristics, the student will be able to critically evaluate data and information related to biological problems, connect many ideas to the student's own life, and see the world in a new way. Throughout the course, the student will engage in activities to encourage critical thinking, including using multiple examples to generate broader generalizations, exploring an increased complexity of conceptual relationships, and studying content appropriate for college preparation studies.</p>
Honors Chemistry A	<p>In this first of two courses that comprise Honors Chemistry, the student will explore the fundamental concepts of chemistry, while engaging in hands-on and virtual lab experiments, and interdisciplinary problem-solving activities.</p>
	<p>The student will build on prior knowledge to learn how to model the structure of an atom, analyze the periodic table of elements, identify simple chemical reactions and investigate particulate electrical forces. The course provides many opportunities for the student to apply these concepts to real-world situations.</p>
Honors Chemistry B	<p>In this second of two courses that comprise Honors Chemistry, the student will explore the fundamental concepts of chemistry, while engaging in hands-on and virtual lab experiments, and interdisciplinary problem-solving activities.</p>
	<p>The student will build on prior knowledge to learn about how energy is transformed in chemical reactions, construct explanations of how energy and matter are related, apply the conservation of mass to calculate and compare quantities of substances in reactions, and develop models of nuclear processes.</p>
Honors Earth Science A	<p>Honors Earth Science A is designed to give the student a strong basis for understanding the world. This course is also designed to prepare the student to confidently enter and complete college-level Earth Science courses. The course consists of a varied curriculum that provides the student the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum, which meets Next Generation Science Standards (NGSS), engages students in problem solving and scientific investigation, and provides opportunities for both hands-on exploration and virtual simulation.</p>
	<p>During this course, the student will learn about natural resources and explore issues surrounding human management of resources. Topics of study include water resources, energy resources, and rock, mineral, and land resources. The student will investigate the impact of resource consumption on humans and the environment. The student will also explore Earth's processes of rock and mineral formation and plate tectonics.</p>
	<p>In the honors-level course, the student will have opportunities to delve further into some topics and engage with enhanced assessments.</p>
Honors Earth Science B	<p>Honors Earth Science B is designed to give the student a strong basis for understanding the world. This course is also designed to prepare the student to confidently enter and complete college-level Earth Science courses. The course consists of a varied curriculum that provides the student the opportunity to explore, compare, research, reflect, and make real-world connections. The curriculum, which meets Next Generation Science Standards (NGSS), engages students in problem solving and scientific investigation, and provides opportunities for both hands-on exploration and virtual simulation.</p>
	<p>During this course, the student will learn about space sciences, including topics like the sun and stars, orbital motion, galaxies, and the universe. The student will also explore Earth's processes involving the atmosphere, hydrosphere, and geosphere. Topics of study include meteorology and geologic history.</p>
	<p>In the honors-level course, the student will have opportunities to delve further into some topics and engage with enhanced assessments.</p>
Honors Economics	<p>Economics provides an introduction to the concepts of both macro- and microeconomics. Students explore topics such as scarcity, opportunity cost, and supply and demand. The course provides an overview of the free market and centrally planned economies, as well as how government influences economics. Students will also explore business and labor, money, banking, and finance. Economics introduces students to economic growth, development, and challenges in both the U.S. and the global economies.</p>

Honors Geometry A

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core geometry concepts and development of procedural fluency, beginning with geometry basics: points, lines, and planes; segments, angles, parallel lines, and perpendicular lines; and sides of triangles. The course continues with coverage of constructing regular shapes; transformations; triangle congruence; formal proofs; coordinate geometry; and similarity. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.

Honors Geometry B

In this course, students will learn, practice, and apply skills and strategies that will help them grow into strong mathematical thinkers. The course presents math as a complete subject to be studied, not merely sets of rules and formulas to be followed. Arriving at solutions is important, as are precision and vocabulary, but instruction does not center on procedural math only. Instead, instruction encourages depth of understanding, connections within and outside courses, flexibility of approaches, and usage of various tools. Daily instruction supports student learning of core geometry concepts and development of procedural fluency regarding trigonometry, constructing ramps, inverse trigonometry, circles, constructing tangent lines, 2D and 3D shapes, modeling with geometry, and probability. Each instructional learning object is aligned to and framed by one of eight Standards for Mathematical Practice. Students are encouraged to use visual representations of their thinking to bridge their understanding between the concrete and abstract, allowing patterns and geometric principles to come to life. In peer model videos throughout the course, the learner's peers demonstrate apply targeted mathematical skills, often using real-world examples. Instruction in 21st century skills further illustrates connections between mathematical concepts and real-world situations to support students' development of the abilities, knowledge, and expertise they need to thrive in today's world. Mathematical discussion prompts encourage students to revise misconceptions, uncover nuances in application, make connections to prior knowledge, identify patterns, and engage with vocabulary. Students are encouraged to share their thinking, justify their own solutions, read critically, and constructively critique the reasoning of others. The course is designed to support a growth mindset regarding math and encourages students to engage in productive struggle; instructional materials implicitly and explicitly remind students that mistakes are opportunities for learning and acquiring new skills. Together the course elements ensure the student grows as a mathematical thinker and develops the tools necessary for success at work and in life.

Honors Physical Science A

This is the first of two courses that comprise Honors Physical Science. Throughout the semester, the student will be introduced to a variety of basic concepts in the field of chemistry. The student will also be introduced to the forces and motion, including topics of Newton's laws and the conservation of momentum.

This course consists of varied curriculum that provides the student the opportunity to use a scientific approach to problem-solving and making real-world connections. The student will investigate how matter is classified, explore the structure of an atom, identify groups within the periodic table, compare and contrast chemical reactions, study the properties of acids and bases and identify how to apply forces and motion to objects.

Honors Physical Science B

This is the second of two courses that comprise Honors Physical Science. Throughout the semester, the student will study a variety of essential physics concepts including energy of motion, energy and forces, thermal energy, non-contact forces, waves, and electromagnetic radiation. This course includes a variety of instructional strategies and provides the student the opportunity to use a scientific approach to problem-solving and making real-world connections. Honors Physical Science B includes hands-on explorations and virtual simulations to enhance the student's comprehension of key concepts.

Honors Physics A

Honors Physics A is designed to describe the physical world using a small number of basic assumptions, concepts, and equations. The course emphasizes relating physics to the everyday world. Physics A focuses on understanding motion. The student will explore the concepts involved with motion in one- and two-dimensions, forces, work and energy, momentum and collisions, circular motion and gravitation. The students will recognize the importance of the laws of thermodynamics.

Approximately 40 percent of the course involves virtual laboratory investigations. Some activities will require ordinary household items such as rulers, meter sticks, balls or marbles, string, paper, and pencils.

Throughout the course, the student will engage in activities to encourage critical thinking, including using multiple examples to generate broader generalizations, exploring an increased complexity of conceptual relationships, and studying content appropriate for college preparation studies.

Honors Physics B

Honors Physics B is designed to describe the physical world using a small number of basic assumptions, concepts, and equations. The course emphasizes relating physics to the everyday world. Physics B focuses on the characteristics of waves and describes the behavior of waves with emphasis on light and sound. The student will understand the relationship between electricity and magnetism. Finally, the student will gain a simple understanding of atomic physics.

Approximately 40 percent of the course involves virtual laboratory investigations. Some activities will require ordinary household items such as rulers, meter sticks, balls or marbles, string, paper, and pencils.

Throughout the course, the student will engage in activities to encourage critical thinking, including using multiple examples to generate broader generalizations, exploring an increased complexity of conceptual relationships, and studying content appropriate for college preparation studies.

Honors Precalculus A

This is the first of two courses that comprise Honors Precalculus. In this course, the student will continue to study higher-level mathematics. The student will begin by reviewing the fundamental concepts in algebra that serve as building blocks for an in-depth study of functions and graphs. Next, the student will explore and analyze polynomial, rational, radical, exponential, logarithmic, and piecewise functions. The student will further delve into quadratics with a unit on the conic sections. Finally, the student will explore sequences and series.

A semester-long project will give the Honors Precalculus student the opportunity to apply math in an engineering setting. The student will devote time during each unit to work on this project and submit the final product before the semester review unit.

A content thread throughout the course focuses on ways mathematics is applied in the real world and is essential to everyday life. These real-world connections, combined with an emphasis on mathematical reasoning and critical thinking skills, prepare the student for future college and career opportunities.

Honors Precalculus B

This is the second of two courses that comprise Honors Precalculus. In this course, the student will continue to study higher-level mathematics. The student will expand knowledge of trigonometric concepts, including trigonometric functions and identities, before being introduced to polar coordinates and equations. Next, the student will explore vectors and parametric equations. Finally, the student will examine calculus concepts including limits and derivatives in preparation for studying calculus.

A semester-long project will give the Honors Precalculus student the opportunity to apply math in an engineering setting. The student will devote time during each unit to work on this project and submit the final product before the semester review unit.

A content thread throughout the course focuses on ways mathematics is applied in the real world and is essential to everyday life. These real-world connections, combined with an emphasis on mathematical reasoning and critical thinking skills, prepare the student for future college and career opportunities.

Honors United States History A & B

This course examines social, economic, historical, and political change in the United States from industrialization and westward expansion to recent events. This course also includes instruction on key founding documents and events instrumental to the birth of the United States. Through interactive activities, discussions, charts, timelines, primary sources, and maps, students will explore key events, patterns, and figures that shaped American history and culture. Students will evaluate important foundational documents such as the Declaration of Independence and the Constitution. The course will also investigate the changing relationship of the United States to the rest of the world. In-depth study of the cause and effect of important events will help students better understand the historical context of key developments. Students will receive instruction in analyzing essential historical documents through portfolio items and lesson activities. Readings and activities will assist students in comparing time periods and in developing historical reasoning and critical thinking skills. Through this course, students will gain a broader understanding of the relevance of American history to their lives as well as develop a better understanding of the impact of key events on American culture and society.

Honors World History Beginnings to Present A

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of historical context. The course focuses on several overarching themes, including human-environment interaction, development and interactions of societies, conflict, the expansion of belief systems, and ideas that would transform societies. Each unit's theme is reflected in a unit-level essential question. These include questions such as "Why do we study the past?" "How has religion transformed societies?" and "How are cultural achievements defined?" Essential questions throughout the instruction reinforce the unit level essential question and connect to the specific learning goals of the lesson. World History instruction is presented in close alignment with state and national standards. Daily instruction supports student learning of core historical content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which the student views a video of a peer learning how to use and apply the target skill or concept, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in work and life. Text assets are used frequently throughout the course to provide the student with experience in reading and interpreting primary and secondary source documents. Excerpts may include scholarly papers as well as magazine and newspaper articles. The student puts an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow the student to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student grows as a critical thinker and interpreter of the multiple stories of history, and masters the skills to succeed in work and life.

Honors World History Beginnings to Present B In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of historical context. The course focuses on several overarching themes, including human-environment interaction, development and interactions of societies, conflict, the expansion of belief systems, and ideas that would transform societies. Each unit's theme is reflected in a unit-level essential question. These include questions such as "How do changing belief systems influence political, social, and economic structures?" "How has technology changed the world?" and "How does war transform societies?" Essential questions throughout the instruction reinforce the unit level essential question and connect to the specific learning goals of the lesson. World History instruction is presented in close alignment with state and national standards. Daily instruction supports student learning of core historical content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which the student views a video of a peer learning how to use and apply the target skill or concept, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in work and life. Text assets are used frequently throughout the course to provide the student with experience in reading and interpreting primary and secondary source documents. Excerpts may include scholarly papers as well as magazine and newspaper articles. The student puts an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow the student to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student grows as a critical thinker and interpreter of the multiple stories of history, and masters the skills to succeed in work and life.

Honors World History 1450 to Present A In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of historical context. The course focuses on several overarching themes, including human-environment interaction, development and interactions of societies, conflict, the expansion of belief systems, and ideas that would transform societies. Each unit's theme is reflected in a unit-level essential question. These include questions such as "Why do we study the past?" "How has religion transformed societies?" and "How are cultural achievements defined?" Essential questions throughout the instruction reinforce the unit level essential question and connect to the specific learning goals of the lesson. World History instruction is presented in close alignment with state and national standards. Daily instruction supports student learning of core historical content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which the student views a video of a peer learning how to use and apply the target skill or concept, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in work and life. Text assets are used frequently throughout the course to provide the student with experience in reading and interpreting primary and secondary source documents. Excerpts may include scholarly papers as well as magazine and newspaper articles. The student puts an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow the student to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student grows as a critical thinker and interpreter of the multiple stories of history, and masters the skills to succeed in work and life.

Honors World History 1450 to Present B In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of historical context. The course focuses on several overarching themes, including human-environment interaction, development and interactions of societies, conflict, the expansion of belief systems, and ideas that would transform societies. Each unit's theme is reflected in a unit-level essential question. These include questions such as "How does war transform societies?" and "How has global interdependence shaped the world?" Essential questions throughout the instruction reinforce the unit-level essential question and connect to the specific learning goals of the lesson. World History instruction is presented in close alignment with state and national standards. Daily instruction supports student learning of core historical content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which the student views a video of a peer learning how to use and apply the target skill or concept; and 21st Century Skills, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in life and work. Text assets are used frequently throughout the course to provide the student with experience in reading and interpreting primary and secondary source documents. Excerpts may include scholarly papers as well as magazine and newspaper articles. The student puts an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow the student to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student grows as a critical thinker and interpreter of the multiple stories of history and masters the skills to succeed in life and work.

World History Beginnings to Present A & B In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of historical context. The course focuses on several overarching themes, including human-environment interaction, development and interactions of societies, conflict, and the expansion of belief systems and ideas that would transform societies. Each unit's theme is reflected in a unit-level essential question. Essential questions throughout the instruction reinforce the unit level essential question and connect to the specific learning goals of the lesson. World History instruction is presented in close alignment with state and national standards. Daily instruction supports student learning of core historical content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which students view a video of a peer learning how to use and apply the target skill or concept, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in work and life. Text assets are used frequently throughout the course to provide the student with experience in reading and interpreting primary and secondary source documents. Excerpts may include scholarly papers as well as magazine and newspaper articles. Students put an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow students to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student grows as a critical thinker and interpreter of the multiple stories of history, and masters the skills to succeed in work and life.

HS Japanese I A	Japanese I A is a beginning-level course that will introduce the student to a variety of areas of the Japanese language. In this course, the student will learn listening, speaking, reading, and writing skills through a variety of activities. This course is organized into five topics: greetings, the date, time, colors, and places. The student will learn to express himself using an ever-increasing vocabulary, present-form verbs, particles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. The student will also learn about the Japanese people, their culture, society, and history.
HS Japanese I B	Japanese I B is a beginning-level course that will introduce the student to a variety of areas of the Japanese language. In this course, the student will learn listening, speaking, reading, and writing skills through a variety of activities. This course is organized into five topics: family, weather, food, pastimes, and school. The student will learn to express himself using an ever-increasing vocabulary, present-form verbs, particles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. The student will also learn about the Japanese people, their culture, society, and history.
HS Japanese II A	This course builds on the skills the student learned in Japanese I. In this course, the student will learn listening, speaking, reading, and writing skills through a variety of activities. This course is organized into five topics: daily life, animals, activities, the body, and descriptions. The student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Throughout the course, the student will explore the Japanese people, their culture, lifestyle, geographical locations, and histories.
HS Japanese II B	This course is a continuation of Japanese II A. In this course, the student will learn listening, speaking, reading, and writing skills through a variety of activities. This course is organized into five topics: house, shopping, entertainment, spare time, and travel. The student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Throughout the course, the student will explore Japanese culture, people, lifestyle, geographical locations, and histories.
HS Spanish I A & B	Students cover basic vocabulary, grammar, spelling, and punctuation to build a solid foundation for further study. Assignments include engaging in simple conversation, writing paragraphs, and listening to Spanish dialogue. Students also study the history and culture of Spanish-speaking peoples.
HS Spanish II A & B	As they engage in more advanced conversations, write paragraphs and stories, and translate to and from Spanish, students improve their vocabulary and grammar. Intense listening comprehension exercises aid in understanding more complex thoughts and subjects.
Human Development & Wellness	Human Development and Wellness is valuable for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers impacted by individuals' physical, social, emotional, and moral development and wellness across their lifespan. Major topics include principles of human development and wellness; impacts of family on human development and wellness; factors that affect human development and wellness; practices that promote human development and wellness; managing resources and services related to human development and wellness; and career exploration in human development and wellness. Life events and contemporary issues addressed in this course include (but are not limited to) change, stress, abuse, personal safety, and the relationships among lifestyle choices, health and wellness conditions, and diseases.
High School Computer Science A	Have you ever wondered how computers work? Have you wanted to know how programs are developed or even to create one yourself? In this course, you will begin by looking at the primary responsibilities of hardware and software and how they interact. You will also learn the basics of operating systems and how to implement optimization, abstraction, and algorithms in programming. Using the programming language Python, you will learn how to create a program using primitives, objects, control structures, and data structures. You will learn and apply troubleshooting, debugging, and using appropriate documentation. You will also use data collection and visualization tools to help interpret and understand the underlying data. This course will prepare you for further study in Computer Science.
High School Computer Science B	Have you ever wondered if computers can exchange information with other computers? Have you wanted to know how cybersecurity works? In this course, you will begin by looking at how computer networks function and what basic topologies are. In this course, you will also learn the basics of cybersecurity, including common threats, risks, solutions, and protection schemes. You will look at the impacts computing innovations have had on multiple aspects of society. You will learn about and apply common collaboration and communication tools to plan and complete projects. And, you will look at the current state and future of computer innovations, including its intersection with the law, artificial intelligence (AI), machine learning, and other future careers. This course will prepare you for further study in Computer Science.
Introduction to Drawing	Learning to draw is like learning any new skill: it takes practice, practice, practice. Introduction to Drawing is a one-semester course for beginning and intermediate artists that provides training in the application of artistic processes and skills. In this course, you will learn the basics of line, contour, shading, texture, perspective, composition, and action drawing. You will examine artwork and demonstrate your newly learned skills by creating several original works of art and compiling a portfolio of your artwork.
Living Music I	Designed for students in grades 9-12, this course teaches fundamental musicianship skills from a Western-Classical approach, while aligning to National Core Arts Standards. The course challenges the student to improve listening, notation, analysis, performance, and improvisation skills. With audio, visual, and interactive technologies, the course provides a unique and advanced learning experience for the student.

Living Music II	<p>Designed for students in grades 9-12, this course enhances the student's fundamental musicianship skills from a Western-Classical approach, while aligning to National Core Arts Standards. The student will review and deepen skills and concepts of rhythm and notation learned and practiced in Living Music I. Through the use of virtual tools and analysis of classic repertoire, the student will work to improve listening, notation, analysis, performance, and composition skills. With audio, visual, and interactive technologies, the course provides a unique and advanced learning experience for the student. Living Music I is a prerequisite for this course.</p>
Personal Finance	<p>Personal Finance prepares students for making sound financial decisions through real-world applications. Topics include financial and career planning, banking, credit, and debt. Students will also learn about savings and investments programs and will begin to evaluate stocks, bonds, mutual funds, and real estate. Personal Finance provides students with the basics to protecting finances, exploring concepts such as tax strategies, insurance, retirement, and estate planning. Finally, students receive an overview of financial option for continuing education.</p>
Physical Science A	<p>This is the first of two courses that comprise Physical Science. Throughout the semester, the student will be introduced to a variety of basic concepts in the field of chemistry. The student will also be introduced to the forces and motion, including topics of Newton's laws and the conservation of momentum.</p> <p>This course consists of varied curriculum that provides the student the opportunity to use a scientific approach to problem-solving and making real-world connections. The student will investigate how matter is classified, explore the structure of an atom, identify groups within the periodic table, compare and contrast chemical reactions, study the properties of acids and bases and identify how to apply forces and motion to objects.</p>
Physical Science B	<p>This is the second of two courses that comprise Physical Science. Throughout the semester, the student will study a variety of essential physics concepts including energy of motion, energy and forces, thermal energy, non-contact forces, waves, and electromagnetic radiation. This course includes a variety of instructional strategies and provides the student the opportunity to use a scientific approach to problem-solving and making real-world connections. Physical Science B includes hands-on explorations and virtual simulations to enhance the student's comprehension of key concepts.</p>
Physics A	<p>Physics A is designed to describe the physical world using a small number of basic assumptions, concepts, and equations. The course emphasizes relating physics to the everyday world. Physics A focuses on understanding motion. The student will explore the concepts involved with motion in one- and two-dimensions, forces, work and energy, momentum and collisions, circular motion and gravitation. The students will recognize the importance of the laws of thermodynamics.</p> <p>Approximately 40 percent of the course involves virtual laboratory investigations. Some activities will require ordinary household items such as rulers, meter sticks, balls or marbles, string, paper, and pencils.</p>
Physics B	<p>Physics B is designed to describe the physical world using a small number of basic assumptions, concepts, and equations. The course emphasizes relating physics to the everyday world. Physics B focuses on the characteristics of waves and describes the behavior of waves with emphasis on light and sound. The student will understand the relationship between electricity and magnetism. Finally, the student will gain a simple understanding of atomic physics.</p> <p>Approximately 40 percent of the course involves virtual laboratory investigations. Some activities will require ordinary household items such as rulers, meter sticks, balls or marbles, string, paper, and pencils.</p>
Precalculus A	<p>This is the first of two courses that comprise Precalculus. In this course, the student will continue to study higher-level mathematics. The student will begin by reviewing the fundamental concepts in algebra that serve as building blocks for an in-depth study of functions and graphs. Next, the student will explore and analyze polynomial, rational, radical, exponential, logarithmic, and piecewise functions. The student will further delve into quadratics with a unit on the conic sections. Finally, the student will explore sequences and series.</p> <p>A content thread throughout the course focuses on ways mathematics is applied in the real world and is essential to everyday life. These real-world connections, combined with an emphasis on mathematical reasoning and critical thinking skills, prepare the student for future college and career opportunities.</p>
Senior Success	<p>Seniors will explore post-secondary options including colleges, careers, and more. Students will be exposed to tools and resources designed to best prepare them for life after high school. Through completion of this course, students will gain exposure to information about financial aid, the college application process, resume writing and graduation information, as well as the opportunity to reflect on their high school career.</p>
Spanish IV A	<p>Spanish IV A continues to build on the skills the student has mastered in his previous Spanish courses. The student will continue to sharpen his listening, speaking, reading, and writing skills through a variety of activities. Throughout the five topics covered in this course, the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, past-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Elements of the Spanish-speaking world and culture appear throughout the course, including people, geographical locations, and histories.</p>

Spanish IV B	Spanish IV B is a continuation of the first three and a half years of Spanish instruction. The student will continue to sharpen his listening, speaking, reading, and writing skills through a variety of activities. Throughout the five topics covered in this course, the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, past-tense verbs, future-tense verbs, conditional-tense verbs, the subjunctive, the present perfect tense, the past perfect tense, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Elements of the Spanish-speaking world and culture appear throughout the course, including people, geographical locations, and histories.
Speech and Debate	<p>In this course, the student will learn how to apply visuals, style, stories, organization, and nonverbal communication to speeches. The student will learn tactics to help overcome fear, participate in debates, and rehearse effectively. The student will also learn how to evaluate great speeches from history as well as more modern media messages.</p> <p>This Speech and Debate course was developed by Connections Academy with content and video excerpts provided by T.J. Walker, Media Training Worldwide. Connections Academy's use of all content, including any video excerpts, is for educational purposes only, and specifically, for purposes of review, criticism, illustration or comment. All images, names, logos, and depictions belong to their respective parties.</p>
Sports Management	This course will introduce you to the fast-growing field of sports management. You will explore topics such as sports marketing, branding, ticket sales, public relations, broadcasting, and breaking into the business of sports management. This course will also discuss the role of sports in society and the importance of an ethical approach to sports management.
Statistics A & B	In this course, the student will be introduced to the major concepts of collecting, organizing, and drawing conclusions from data. The student will also have the opportunity to observe patterns and departures from patterns, plan a study, produce models using probability and simulation, and use statistical inference to confirm models.
United States History A & B	This course examines social, economic, historical, and political change in the United States from the birth of the country to recent events. Through interactive activities, discussions, charts, timelines, primary sources, and maps, students will explore key events, patterns, and figures that shaped American history and culture. Students will evaluate important foundational documents such as the Declaration of Independence and the Constitution. The course will also investigate the changing relationship of the United States to the rest of the world. In-depth study of the cause and effect of important events will help students better understand the historical context of key developments. Students will receive instruction in analyzing essential historical documents through portfolio items and lesson activities. Readings and activities will assist students in comparing time periods and in developing historical reasoning and critical thinking skills. Through this course, students will gain a broader understanding of the relevance of American history to their lives as well as develop a better understanding of the impact of key events on American culture and society.
VS: Art History A	Welcome to the first semester of Art History! In this course, the student will take up the question "What is art?" as he explores the artistic endeavors of early civilizations. Early in the course, the student will explore some of the basic elements and principles of art and its role in human history and the development of culture. He will also think about the ways that a work of art interacts with human sensory perception to produce a particular effect, as well as various other factors that affect the interpretation of a work of art. Once the student has obtained a basic foundation in art theory, he will begin to examine the history of art from its earliest manifestations in prehistoric times up through the ancient Egyptian civilization.
VS: Art History B	Welcome to the second semester of Art History! In this course, the student will build upon his basic foundation in art theory to examine the history of art. He will trace the history of art from ancient Greece to the Roman Empire. Along the way, the student will encounter art forms such as pottery, architecture, and sculpture. By the end of the course, the student will not only have acquired a knowledge of ancient art history, the student will also have a better understanding of art as both a reflection and engine of history.
VS: Personal Fitness	In this course, the student will study physical fitness and a variety of health-related topics. The student will gain an understanding of the proper ways to exercise and diet, and will learn how to assess his own fitness level. The student will learn what fitness can do and how to attain the highest possible fitness level.
VS: Physical Education	In this course, the student will use previously acquired skills in a wide range of elective activities. The course places priority on self-motivated physical activities that the student can participate in now and later in life, and incorporates skill competencies, written assignments, and class evaluations into some of the units. The student will be expected to show proficiency in the activities that are important for his personal development at the appropriate age. The student's physical fitness level will be assessed and recorded. As an online learner, the student will utilize relevant Web sites and streaming videos provided in the lessons.
VS: Psychology A	This is the first of two courses that comprise Psychology. This course begins with a historical review of how man has sought to explain human behavior from ancient times to today. The student will learn about the research methods that are applied to the field and how the scientific method of inquiry moved psychology from quaint parlor tricks like hypnosis and mesmerism to serious inquiry that utilizes hard science to prove theories. The student will also learn about the amazing brain and will explore the workings of the normal brain. The student will then build upon this biological foundation to learn how the information that we take in through our senses is perceived and interpreted by the brain to form the mental images of our daily experiences in the world. The course also provides a survey of a human's life span from birth to death. The student will learn about all of the major physical and psychological changes that mark the development of a human's existence and a variety of theories that outline these processes.

VS: Psychology B

This is the second of two courses that comprise Psychology. The course begins with an exploration of what makes individuals different from one another and the notion of personality. The student will dissect the widely divergent and often contradictory personality theories.

In the section on Learning, Memory, and Motivation, the student will tie together his knowledge of the biological basics of behavior with the major personality theories in order to understand the complex mental processes of learning, memory, thought, and language.

Finally, the student will shift his focus from normal to abnormal behavior, and in doing so, study the theories related to life adjustment, stress, psychological breakdown and methods of therapy.

WebQuest

This interactive elective provides the student the opportunity to participate in an individualized WebQuest experience that connects to the local community and allows the student to become an active, contributing member of the community. The course is based on the student's research about and participation in an effort that is focused on maintaining or improving the local community's environment.

In this course, the student will choose an aspect of the local community's environment that has special interest to the student and work on a project over the course of 12 visits. During each visit the student will do some research or data collection, take notes to build the portfolio project to be submitted later in the course, and complete activities to support the community effort. The community activity can either be with a group or as an individual.

Ideally, the student will continue to support the community effort even after the course has ended.

World History 1450 to Present A

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of historical context. The course focuses on several overarching themes, including human-environment interaction, development and interactions of societies, conflict, and the expansion of belief systems and ideas that would transform societies. Each unit's theme is reflected in a unit-level essential question. Essential questions throughout the instruction reinforce the unit level essential question and connect to the specific learning goals of the lesson. World History instruction is presented in close alignment with state and national standards. Daily instruction supports student learning of core historical content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which students view a video of a peer learning how to use and apply the target skill or concept, and 21st Century, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in work and life. Text assets are used frequently throughout the course to provide the student with experience in reading and interpreting primary and secondary source documents. Excerpts may include scholarly papers as well as magazine and newspaper articles. Students put an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow students to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student grows as a critical thinker and interpreter of the multiple stories of history, and masters the skills to succeed in work and life.

World History 1450 to Present B

In this course, the student will learn, practice, and apply the fundamental skills and strategies that will help them grow into critical explorers of historical context. The course focuses on several overarching themes, including human-environment interaction, development and interactions of societies, conflict, the expansion of belief systems, and ideas that would transform societies. Each unit's theme is reflected in a unit-level essential question. These include questions such as "How does war transform societies?" and "How has global interdependence shaped the world?" Essential questions throughout the instruction reinforce the unit-level essential question and connect to the specific learning goals of the lesson. World History instruction is presented in close alignment with state and national standards. Daily instruction supports student learning of core historical content as well as critical thinking and literacy skills. Instruction is presented in two modes: Peer Model, in which the student views a video of a peer learning how to use and apply the target skill or concept; and 21st Century Skills, in which the student gains proficiency in the skills, knowledge, and expertise needed to succeed in life and work. Text assets are used frequently throughout the course to provide the student with experience in reading and interpreting primary and secondary source documents. Excerpts may include scholarly papers as well as magazine and newspaper articles. The student puts an inquiry-based approach into practice by working directly with these assets through the lens of unit and lesson themes as well as specific learning goals. Check-In and Practice activities allow the student to confirm understanding, resolve misconceptions, and apply their learning to new situations. Together the course elements ensure the student grows as a critical thinker and interpreter of the multiple stories of history and masters the skills to succeed in life and work.

Courses provided through eDynamic

Advertising and Sales Promotion	Great marketing strategies can be powerful. Every year companies spend approximately \$200 billion promoting their products and services – and that’s just in the United States alone! Explore how marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. Learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry.
Animation 1a: Introduction	Have you ever watched a cartoon or played a video game where the characters and animation captivated you enough to want to develop your own? If so, it’s time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let’s bring your story and animation to life!
Animation 1b: Animating Your Creativity	It’s time to start animating like the pros! In this hands-on course, you’ll immediately start exploring the software Blender, your gateway to 3D modeling, computer animation, and postproduction procedures used in the film industry. Discover 3D modeling and animation of characters. Explore the basics of human anatomy and form to apply rigging, joints, and texture. Examine rendering and lighting effects and how to apply sound. And discover careers so you can start using your new skills right away
Art in World Cultures	Art tells a story. Go on a journey of when humans began creating art in prehistoric times to ancient Roman, early Christian, and Medieval periods. Explore the artistic characteristics of the Renaissance, Americas Baroque, Romantic, and more. Learn the elements and design principles of art, and about some of the greatest artists in the world, while creating your own art, both on paper and digitally. It’s time to tell your story through art.
Astronomy 1a:	Introduction Ever wondered how the Earth developed and exists in the vastness of space? How do the scientific laws of motion and gravity play a role in its existence? Discover answers to these questions and explore the origin of the universe, the Milky Way, and other galaxies and stars, including the concepts of modern astronomy and the methods used by astronomers to learn more about the universe.
Astronomy 1b: Exploring the Universe	Ready to explore our amazing and dynamic universe even further? You’ll be taken on an exciting journey through the solar system to explore the sun, comets, asteroids, meteors, life cycles of stars, and planets’ properties. Become familiar with the concepts of space travel and settlements, and what it could be like to live and work in space. How exciting!
Black History In America 1a: Introduction	By examining the stories of brave men and women who persevered, built community and contributed to our nation’s goals—sometimes amid great persecution—we can all learn how to pave a brighter future. Learn about the incredible history of Black people who have left a mark on the fabric of the United States to the ways the country has wrestled with its past to understand slavery, emancipation, and the fight for civil rights in our nation.
Black History in America 1b: Exploring the Black Experience	By examining the stories of brave men and women who persevered, built community and contributed to our nation’s goals—sometimes amid great persecution—we can all learn how to pave a brighter future. Learn about the incredible history of Black
Coding 1a: Introduction	Learning to code is like learning a clandestine language, and now is your chance to get in on the secret! In this course, you will learn about the building blocks of coding. You’ll explore how real-world problems can be broken into algorithms described through coding and then use the approachable and versatile coding language of Python to generate the output you’re looking for. You’ll cover both procedural and object-oriented programming and even create two text-based adventure games along the way. Are you ready to get in on the secret?
Coding 1b: Plan, Design, Develop	You have already learned a lot about the language of coding, and now, it’s time to become even more fluent and multilingual! In this course, you’ll continue working with Python, but you’ll also add other languages like HTML, CSS, and JavaScript to your coding toolkit as you build and style a web app! You’ll explore data structures to process information, how to stay on schedule and prepare for app updates, and how to improve the functionality, look, and safety of your app. Each new coding challenge we meet invites us to expand our skills, and there’s always room for creativity when you you’re working with code. Let’s get to it!
Computing for College and Careers 1a: Introduction	Technology has made an impact on nearly all facets of our lives, and it will continue to make an impact on yours as you make your way into college and career! In this course, you are going to pull back the veil on what goes into some of the technology we use every day. You will investigate computer hardware and software and learn what goes into building a computer while exploring programs and applications, you’ll study the history of the internet and how to use its capabilities even more effectively, and you’ll also dive deep into email and some of today’s most powerful processing tools. Get ready to really know the technology you have at your fingertips so you can continue to make it work for you!
Computing for College and Careers 1b: Refining Your Interests	You have looked at the building blocks of some technologies you use on a daily basis, and now it’s time to dig even deeper to see how it can help determine your future! In this course, you’ll analyze modern websites, learn design elements and principles, and even create your very own website. You’ll learn to write algorithms, use common web languages, and explore some of the basics of AI all while becoming a good digital citizen. Lastly, you’ll explore various careers in computing, learn about industry certifications, and see how a resume and portfolio can help you. Let’s look to the future!
Creative Writing: Unleashing the Core of Your Imagination	Writing can change the world. Think about the Declaration of Independence, the Bill of Rights, and Lincoln’s 2nd In Augural Address. How have these writings shaped our country and the future? While you learn how to unleash the core of your imagination to develop your own creative writing, you’ll also explore creative writing through foundational literary works from the 18th to 20th century of Colonialism to American Gothic to Modernism, and everything in between, while evaluating original writings and their interpretations.
Digital Photography 1a: Introduction	Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer.
Digital Photography 1b: Creating Images with Impact!	Let’s further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring your photos to life, and using this knowledge, build a portfolio of your work to pursue a career in this field!
Digital Photography 2: Discovering Your Creative Potential	We are surrounded by images; in advertisements, on websites, in magazines, and on billboards. Learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own. Examine various aspects of the photography field including specialty areas, ethics, and famous photographers throughout history.
Game Design for Chromebooks 1a: Introduction	Are you ready to take your passion for game design and turn it into a real-life prototype? In this course, you’ll learn the fundamentals of game design including scripting in JavaScript, game mechanics, audio editing, storytelling, and game world development. And the best part? You’ll apply these skills to build an arcade-style galactic adventure game using PlayCanvas! Let’s get ready to blast off into the world of game design!
Middle School Digital Art & Design	The world is filled with so many different forms of art – including digital art. In this course, you’ll explore this special genre of art found inThe world is filled with so many different forms of art – including digital art. In this course, you’ll explore this special genre of art found in world is filled with so many different forms of art – including digital art. In this course, you’ll explore this special genre of art found in everything from advertising to animation to photography and beyond. Additionally, you’ll tap into your creative side to create digital art and make it come alive everything from advertising to animation to photography and beyond. Additionally, you’ll tap into your creative side to create digital art and make it come alive

Game Design for Chromebooks 1b: From Prototype to Product	Get ready to add some super charged rocket fuel to your galactic adventure game prototype because it's time for it to blast into the stratosphere as a full-blown product! In this course, you'll build on your prototype focusing on techniques to add difficulty but also increase the fun. "Fun" may sound like an elusive quality to achieve, but understanding your audience's needs and potential immersive elements as well as the alignment and flow of your game progression will put you well on the way to creating a hit! Get ready to launch your game for all to see and collect the interstellar acclaim that follows!
Gothic Literature: Monster Stories	Vampires, ghosts, and werewolves have lived in our collective imagination since 18th century Gothic literature, which introduced a thrilling psychological experience for the reader. Explore the themes of terror vs. horror, the supernatural, and the struggle between good and evil. Are you brave enough to go beyond the fear and find an appreciation for the dark beauty of Gothic stories?
Health & Physical Education 1a: Introduction	Your health is more than skin deep- or should we say muscle deep? There are many factors that influence your fitness from biological predispositions to the foods you eat, the sleep you get, your psychology, and more! This course will go beyond the superficial of fitness and dig into the science behind it. You will explore the basics of how to assess your baseline fitness, design and implement a fitness plan, fuel your body to achieve your fitness goals, and stay safe while improving your health. Physical fitness is a journey, not a destination: start your expedition now!
Health & Physical Education 1b: Invest in Your Health	You've already HIIT the mat and warmed up your understanding of health and fitness, but now we're going to stretch you're understanding and feed your healthy habits. In this course, you will learn about the four domains of health- physical, mental, emotional, social- and their interconnection, how to set goals for healthy living, and how relationships and choices can impact your health. You'll also explore different entities and influences and their role in your daily health as well as how to build healthy communities to help you thrive. Let's continue building the foundation for well-rounded, healthy living so you can flourish: mind, body, and spirit!
History of the Holocaust	"For the dead and the living, we must bear witness." Discover the harrowing details of the history of the rise of anti-Semitism that contributed to the start of the Holocaust and the power of the Nazi party. Learn of the persecution of European Jews and other groups, and the tremendous aftermath for everyone involved in World War II and what has been done since to combat genocide.
Human Geography: Our Global Identity	Modern humans have been roaming the Earth for about 200,000 years. How do the places we live influence the way we live? How do geography, weather, and location relate to our customs, beliefs, and lifestyles? Learn how diverse people have physically influenced the world around them and how they, in turn, are changed by their surroundings. Let's explore the important relationship between humans and their environments.
Middle School Tech Apps, Grade 6	When it comes to technology, there is a lot to learn, and sometimes it's hard to get a digital foothold. In this course, you will be introduced to some of the most important technological topics to place you on the path to well-rounded understanding. You will learn about your digital footprint, netiquette, and how to stay safe online. You will improve your typing, file management and organization skills as well as your knowledge of software programs. You will also learn about trends, coding, blogs and websites, photo and video software, and more! It's time to go digital!
Middle School Tech Apps, Grade 7	You learned some tech app basics, and now it's time to explore new software that will help you with content creation. In this course, you will practice being a member of a team-listening to other's ideas and advocating for your own- and learn how to break a problem into steps represented with a flowchart. With the steps defined, you'll put your ideas into action coding a robot in Scratch and a Rock, Paper, Scissors game. Finally, you'll look at various content creation methods like Google apps, blogs, podcasts, and videos, and think about who your audiences might be. Let's move beyond the basics and into the ever-expanding world of tech apps.
Middle School Tech Apps, Grade 8	Few things move faster than ever-changing technology, and it's important to try and stay up-to-date on this modern digital transformation. In this course, you will get a guided tour through this towering technological landscape from hacking and hardware, understanding algorithms and basic cybersecurity, and even implementing powerful tools like Google apps. You will also improve your ability to type, code, and use audio and video editing software. In the end, you will learn all about how to be an effective and responsible digital citizen in a cyberworld that is only growing increasingly quick and complex. Let's get up to speed!
Music Appreciation: The Enjoyment of Listening	Have you ever heard a music piece that made you want to get up and dance, sing, or even cry? Regardless of the genre, music moves us. Explore the elements and pieces of music. And learn through the historical context, musicians and composers, and influence of music from the Middle Ages to the 21st century, on how to listen and really hear the different music that makes up our world.
Mythology and Folklore: Legendary Tales	Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years and helped humans make sense of the world. Explore how these compelling tales continue to shape society even today.
Personal Fitness	Whether you're a seasoned athlete or a fitness rookie, learning about your health will help you level up! In this course, you will explore your health influences, try out a wide variety of activities, and apply cuttingedge principles of nutrition, safety, and the body in motion to your fitness journey. You will also design your own fitness program based on personal goals with expert guidance so you can put your health plans into action! It's time to take your personal fitness to the next level!