



Capital Area Online Learning Association

Online Course Catalog Middle School 2018-2019



CORE COURSES & ELECTIVES

EdisonLearning

ENGLISH LANGUAGE ARTS

Language Arts– 6th Grade

Language Arts– 7th Grade

Language Arts– 8th Grade

MATHEMATICS

Mathematics– 6th Grade

Mathematics– 7th Grade

Mathematics– 8th Grade

Middle School Algebra

SCIENCE

Science– 6th Grade

Science– 7th Grade

Science– 8th Grade

SOCIAL STUDIES

Social Studies– 6th Grade

Social Studies– 7th Grade

Social Studies– 8th Grade

ELECTIVES

Art History and Appreciation

Health and Fitness

Internet Safety

Music Theory and Appreciation

Problem Solving

Study Skills

CREDIT RECOVERY

Language Arts 6th-8th Grade

Mathematics 6th-8th Grade

Science 6th-8th Grade

Social Studies 6th-8th Grade

CORE COURSES & ELECTIVES

Accelerate Education

ENGLISH LANGUAGE ARTS

Language Arts 6

Language Arts 7

Language Arts 8

MATHEMATICS

Math 6

Math 7

Pre-Algebra

SCIENCE

Life Science

Earth & Space Science

Physical Science

SOCIAL STUDIES

Social Studies 6

Social Studies 7

Social Studies 8

ELECTIVES

Art Explorations

Basic Drawing

Beginning Painting

Buzz Orientation

Computer Basics

Health

Internet Safety

JavaScript Game Design

Keyboarding

Physical Education

Scratch Coding

Study Skills

WORLD LANGUAGES

Spanish 1 (Grades 8-12)

Spanish 2 (Grades 8-12)

French 1 (Grades 8-12)

French 2 (Grades 8-12)

German 1 (Grades 8-12)

German 2 (Grades 8-12)

CORE COURSES & ELECTIVES

Odysseyware

ENGLISH LANGUAGE ARTS

Language Arts 600 Comprehensive

Language Arts 600 Foundations

Spelling 600

Language Arts 700 Comprehensive

Language Arts 700 Foundations

Language Arts 800 Comprehensive

Language Arts 800 Foundations

MATHEMATICS

Mathematics 600 Comprehensive

Mathematics 600 Foundations

Mathematics 700 Comprehensive

Mathematics 700 Foundations

Mathematics 800 Comprehensive

Mathematics 800 Foundations

SCIENCE

Science 600

Science 700

Science 800

SOCIAL STUDIES

History and Geography 600

History and Geography 700 (World Civilizations)

History and Geography 800

HEALTH & PHYSICAL EDUCATION

Health Quest

CTE

Career Explorations I

Career Explorations II

Keyboarding and Applications

Principles of Coding

CORE COURSES & ELECTIVES

EDynamic

ELECTIVES

Middle School 2D Studio Art 1a

Middle School Coding 1a

Middle School Digital Art and Design 1a

Middle School Exploring Music 1a

Middle School Fitness

Middle School Game Design 1a

Middle School Journalism 1a: Introduction

Middle School Journalism 1b: Tell Your Story

Middle School Photography 1a: Introduction

Middle School Photography 1b: Drawing with Light

CAREER EXPLORATION

Middle School Career Exploration 1

Middle School Career Exploration 2



Middle School Important Information

- **Lesson Video** – The video contains information that will help to strengthen knowledge of the lesson content and focuses on key subject-specific information.
- **Essential Instruction** – The main content of the lesson is found here. Students are encouraged to complete the embedded exercises by using interactive drawing and text tools.
- **Reteach** – The Reteach page clarifies and further explains the information found in the Essential Instruction area.
- **Enrichment** – The Enrichment page encourages students to take their thinking beyond the content of the lesson.
- **Hear More, See More, Do More** – Students are directed to resources that address the content using different modalities.
- **Activities Workbook & Answer Key** – Workbooks contain foundational activities and puzzles such as word searches, crosswords, and matching exercises related to the lesson content.
- **Assessments** – Students are delivered their daily assessments in an interactive, visually stimulating game format. Summative assessments, such as quizzes and exams, are given in a conventional test format.
- **Instructor Guide** – Designed for the teacher, this document reviews all of the lesson elements and provides teachers with extended activities to complete with students.

MyDay – This content delivery system was designed as the result of targeted research with middle school students. Students are provided with a personalized forced progression of learning objects through their daily task lists. Mastery settings are available at an institution and student level to ensure that students have demonstrated success with the objectives of each lesson before moving on to the next. Students are assessed regularly through a variety of games and traditional summative assessments.

MyDay eCourses encourage students to interact with and respond to lesson content. Students can access drawing tools to underline, highlight, and circle key terms and important concepts. They can also respond to questions posed within lessons. Lesson assessments are delivered as games to reduce test anxiety. Supplemental materials, such as workbooks, offer students opportunities to synthesize material from the lessons via fun, low-stress puzzles and activities.

EdisonLearning

English

Language Arts– 6th Grade

In English/Language Arts 6, students read to enhance their understanding of different genres and to enhance their own writing. Students practice the writing process in each part of the course as they plan, organize, compose, and edit four projects: a brief narrative essay about a personal hero; a piece of creative fiction; an essay analyzing a poem; and a research project. As they read the coming-of-age novel *Roll of Thunder, Hear My Cry*, by Mildred D. Taylor, students focus on the elements of fiction and examine elements of the author's craft. In a tour of folktales, students embark on a journey to South America, Africa, Asia, the Middle East, and even ancient Greece and Rome. Students are introduced to several types of poetry, learn to recognize poetic devices, evaluate the effectiveness of a poet's message, and, ultimately, compose their own poetry. As they explore nonfiction and informational texts, students build on concepts they learned in the elementary grades to develop higher-level critical thinking skills. A study of advertising and persuasive techniques helps students become more informed consumers. Students strengthen speaking and listening skills through predicting, questioning, summarizing, clarifying, and synthesizing. Students learn to work collaboratively, incorporate multimedia in their presentations, and present their findings in unique, effective ways.

Prerequisite: None

Length: Four Parts

Course Types: Credit Recovery Available

Language Arts– 7th Grade

In English/Language Arts 7, students read and analyze literature from poetry to novels and folklore to myth, using what they learn to enhance their own writing. The course begins with the steps of the writing process, which includes identifying parts of speech and using them correctly and effectively. A study of writing style focuses on slang, sentence variety, and transitions. Students learn how characters, setting, and plot contribute to literary fiction as they identify and explain these components and use them creatively in their own narrative essays. Reading poetry allows students to focus on figurative and descriptive language, which they apply to writing descriptive essays. Students also learn about the themes and characteristics of myth and folklore. A study of nonfiction focuses on research and organization as students produce objective informational essays. Students learn active reading and research skills that enable them to recognize bias and the techniques of persuasion in different genres, including biographical writing, then write persuasive essays based on their own beliefs or opinions.

Prerequisite: None

Length: Four Parts

Course Types: Credit Recovery Available

Language Arts– 8th Grade

In English/Language Arts 8, students continue their exploration of various genres, using active reading techniques such as note-taking and drawing conclusions from texts. Students review the steps of the writing process, making connections between each stage of writing, the genre they are studying, and a well-formed final product. To prepare students for writing narrative essays, lessons focus on plot, theme, and historical setting. Writing reflective and persuasive essays based on their own thoughts and ideas allows students to demonstrate their individuality. Solid research and understanding of organizational methods and visual features provide the foundation for writing informational essays. After improving their ability to recognize biased language, students write persuasive essays to express their own opinions. Students then look at the unique characteristics of poetry, myth, and folklore, and discover the conventions of playwriting and how drama employs the elements of fiction.

Prerequisite: None

Length: Four Parts

Course Types: Credit Recovery Available

Mathematics

Mathematics– 6th Grade

In Math 6, each skill provides a stepping stone to the next. Students learn how to find the prime factors of composite numbers, then use this ability to work with fractions. They apply ratios and rates in a number of applications, including converting between English and metric measurements, determining unit rates, and finding unit prices. To build a foundation for learning algebra, students study the properties of addition and multiplication and the order of operations. Students then use these concepts as they write, evaluate, and factor algebraic expressions. After they learn to solve single-variable one- and two-step equations and inequalities, students extend their knowledge by graphing the solutions on number lines and the coordinate plane. The exploration of two dimensions continues as students work with plane polygons, classify shapes, and solve for shapes' perimeters and areas. Students learn to transform two-dimensional figures by translating, rotating, and reflecting both figures and graphs of equations, then move on to solid figures. Finally, students delve into statistics as they identify, interpret, and construct various data; solve for and interpret measures of center including mean, median, and mode; and use those measures to analyze data and construct appropriate data displays, which they can apply to a wide range of situations in other subject areas.

Prerequisite: None

Length: Four Parts

Course Types: Credit Recovery Available

Mathematics— 7th Grade

Math 7 teaches skills essential to adult life and lays the groundwork for future mathematics classes. Students learn to apply their work with rational numbers and integers to everyday situations. Students convert words to expressions and vice versa, using equations and inequalities as problem-solving tools. They compute tax, percentage of error, commission, and interest using rates, ratios, and proportions; graph ordered pairs; and graph and write linear equations. Their work with simple figures—triangles, angles, circles, quadrilaterals, and polygons—focuses on finding areas and perimeters. Students then move on to scale drawings and composite figures composed of simple figures, and compute the volumes and surface areas of solids including prisms, cylinders, pyramids, cones, and spheres. Students collect data and use graphs, charts, and diagrams to read, interpret, and display the data—and they also learn how graphs can be misleading. Students apply the study of sampling and populations to applications involving probability, likely and unlikely outcomes, permutations, combinations, and compound events. Students learn to represent these concepts using Venn diagrams and charts, tools they will encounter in other courses.

Prerequisite: None

Length: Four Parts

Course Types: Credit Recovery Available

Mathematics— 8th Grade

Math 8 helps students see the power of mathematics in everyday life. The course begins with a review of percentages and proportions, applying these concepts to conversion factors and emphasizing English and metric measurement. Work with linear equations includes computing rates of change, finding intercepts, graphing linear functions, and describing the action of a line. Number patterns and sequences foster a study of arithmetic and geometric means as students learn to find missing terms in sequences. An investigation of the Cartesian plane teaches students how to work with scale drawings, dilations, and graphs. Students learn about the properties of triangles, the Pythagorean Theorem, and the properties of parallel lines cut by a transversal. With pie charts, bar graphs, histograms, scatter plots and other linear models, students explore probability and make predictions and correlations. Students apply the concepts of independent and dependent events, odds, combinations, permutations, and factorials to situations from playing cards to determining how many different outfits they have in their closets.

Prerequisite: None

Length: Four Parts

Course Types: Credit Recovery Available

Middle School Algebra

How do you write, simplify, and solve equations? How can you display data so it can be easily interpreted and understood? In Algebra, students learn how to translate phrases into expressions, and sentences into equations and inequalities, placing them into their simplest forms. Students find solutions to equations by graphing them on number lines or the coordinate plane. Students learn the value of finding the best tool for the job as they acquire different strategies to use in various situations, such as finding the slope of a line, solving a system of equations or inequalities, or factoring polynomials. Building on this knowledge, students apply transformations to polynomial functions, explore inverses and one-to-one functions, and examine exponential and logarithmic functions. Work in statistics includes organizing and analyzing data; making stem-and-leaf plots; finding mean, mode, and median; making box-and-whisker plots; and recognizing misleading graphs. At the completion of this course, students are prepared for additional math courses in middle and high school.

Prerequisite: None

Length: Four Parts

Science

Science– 6th Grade

Scientists make exciting observations and learn amazing facts about the world. Harnessing students' natural curiosity and ability to observe, Science 6 surveys the physical and life sciences through engaging, interactive activities and media-rich content. Students begin by surveying the branches of science, noting important milestones in the development of scientific study, and discovering the contributions of some influential scientists. They examine the matter that makes up the world, the laws that govern the movement of matter, and how matter is affected by contact and noncontact forces. Students investigate energy, its sources, and methods of energy generation and transfer. As they examine the structure of Earth, students learn about natural resources and the impact of human populations on the balance of nature. Students also study weather, wind, storm formation, and ways data is used to predict the weather. Students begin learning about life science through the discoveries Robert Hooke made using his microscope. The vital relationship between structure and function is examined as students learn about the components of cells and the organ systems of the human body. The study of living things continues as students learn about the major groups of organisms and scientists who contributed to current knowledge about each group. The relationships among these groups, called kingdoms, and among living and nonliving things are revealed as students learn about biogeochemical cycles. The ecology section completing the course discusses water quality, conservation efforts, and recycling.

Prerequisite: None

Length: Four Parts

Course Types: Credit Recovery Available

Science– 7th Grade

Science 7 brings together some of the most fascinating sciences- general, physical, earth, and life sciences- essential for investigating the world around us. After learning common measurement systems and the essentials of lab safety, students are ready to apply the scientific method to everyday situations such as a broken lamp or a hungry dog. Students learn about matter and energy, and about electromagnetic waves and the electromagnetic spectrum, focusing on the properties of visible light. Earth itself becomes the focus as students study the different geologic eras in Earth's history, the parts of the planet, and phenomena including earthquakes and volcanoes. Delving into Earth's past, students examine the fossil record and discover the clues to provide to the history of numerous species and how they adapted to their environment. Students learn how species change over time through mutation and natural selection. Finally, students explore food webs, the roles of different organisms in an ecosystem, and why preserving Earth's limited natural resources through conservation efforts is imperative.

Prerequisite: None

Length: Four Parts

Course Types: Credit Recovery Available

Science– 8th Grade

Science 8 focuses on the smallest structures—the atoms that make up our world and the cells that make up our bodies—and the largest systems—the cycles of the natural world, the interaction of energy and matter, classical mechanics including Newton’s Three Laws of Motion and the Law of Universal Gravitation, and the bodies that make up the universe. Beginning with classification systems, students learn about the elements and the structure of atoms. Students apply what they learn about temperature scales, the difference between temperature and heat, and chemical reactions to the study of energy and ways matter can change. This understanding of chemistry helps students in their next phase of study: cell function, the life-giving functions of photosynthesis and respiration, the biology of their own bodies, and the genetics that make each living being unique. The focus widens again as students explore classical mechanics: Newton’s Three Laws of Motion and the Law of Universal Gravitation. Students then apply classical mechanics to planetary motion, the effects of the Moon, travel beyond our planet, and the most up-to-date discoveries about the universe.

Prerequisite: None

Length: Four Parts

Course Types: Credit Recovery Available

Social Studies

Social Studies– 6th Grade

Making sense of the unique and fascinating places in the world requires a broad range of knowledge and skills. Students explore how Earth’s geography has affected human life and culture as they learn about the development of early civilizations in Asia and the Mediterranean. Students examine the great religious traditions born during this time, witness the growth of dynasties in Far Eastern Asia, and learn about the ideas that spawned the Renaissance. As the world became caught up in the excitement of the Age of Exploration, the Americas were “discovered,” though vibrant and thriving civilizations had existed there for thousands of years. Students learn about the struggles of these native civilizations, the slaves who were brought to build a new nation, and independence movements in the western world. Modern nations continue to face many challenges including trade, migration, urbanization, and the human rights movement. In an exploration of recent history, students learn about dictators and witness revolutions in Europe, the Middle East, and the Americas. In the final section of the course, students study the impact of globalization and the technology driving it.

Prerequisite: None

Length: Four Parts

Course Types: Credit Recovery Available

Social Studies– 7th Grade

History, government, economics, sociology, geography, and anthropology all come together to show how modern culture arose from ancient and classical civilizations. Beginning with the New Kingdom of Egypt, students witness how ancient civilizations grew into classical empires that gave rise to medieval Europe. They discover how feudal Europe moved toward the Renaissance, and how its ideals of humanism and constitutional government ignited the scientific revolution and the Protestant Reformation. Students study the development of spirituality in the Middle East, the growth of dynasties in the Far East, and the formation of Mesoamerican civilization. As students learn about the development of modern nations and their quest for overseas colonies, they see how the competition for colonies and extreme nationalism led to international conflicts, including the Seven Years War and the Cold War. Students discover how our political identity has evolved through developments including the Industrial Revolution, the labor and progressive movements, the struggle for civil rights, the economics of a modern society, and the dawn of the Information Age.

Prerequisite: None

Length: Four Parts

Course Types: Credit Recovery Available

Social Studies– 8th Grade

In Grade 8 Social Studies, students focus on the history of North America and, in particular, the history of the United States. Before Europeans knew that North America existed, indigenous civilizations thrived throughout the continent. Students learn how colonial life led to first attempts at self-government and how European influence continues to this day. As they witness the expansion of US borders, students discover how the desire for land and resources led to the removal of native populations, wars with neighbors, and annexations. Students see the impact of civil war and witness the struggle of slavery and America's emergence as an industrial powerhouse. In their study of the twentieth century, students trace the reasons for and outcomes of the Civil Rights Movement and consider the role of the United States as a world power.

Prerequisite: None

Length: Four Parts

Course Types: Credit Recovery Available

Health and Fitness (Middle School)

What does it mean to be healthy? What are the steps for creating or improving a healthy lifestyle? This course helps students take charge of their own well-being by providing up-to-date information about physical activity, nutrition, and overall health. Students learn the importance of setting goals, well-being, recognizing peer pressure, making good decisions, and resolving conflicts. Students learn about the benefits of exercise and physical activity, and how to avoid unhealthy behaviors. Activities are designed to help students understand nutrition, analyze food labels, and develop an appropriate exercise plan. Students learn how physical activity affects different body systems and about key exercise concepts including cross-training, overload, and flexibility. Students become more familiar with the systems of their bodies, learn about common ailments, and examine the importance of self-esteem and emotional well-being in creating overall health.

Prerequisite: None

Length: Two Parts

Electives

Art History and Appreciation

Where do artists find their inspiration? How can you tell a Rembrandt from a Renoir? Art History and Appreciation surveys artwork and architecture from different periods in human history. Students learn how artists use their abilities to observe and interpret reality and create unique artistic styles and works. Part 1 focuses on the art and architecture in Europe, Africa, and the Americas, while Part 2 moves east to Asia and Oceania. In each part of the course, students note the development of different art movements, the variation in artistic techniques, and the influence of significant artists and designers. Lessons explain the tools, skills, and techniques artists use to create their works. Students also learn how to differentiate between art movements in significant periods of history. At the end of this course, students can recognize different artistic styles, movements, and techniques, and identify specific pieces of artwork by period and origin.

Prerequisite: None

Length: Two Parts

Health and Fitness

What does it mean to be healthy? What are the steps for creating or improving a healthy lifestyle? This course helps students take charge of their own well-being by providing up-to-date information about physical activity, nutrition, and overall health. Students learn the importance of setting goals, well-being, recognizing peer pressure, making good decisions, and resolving conflicts. Students learn about the benefits of exercise and physical activity, and how to avoid unhealthy behaviors. Activities are designed to help students understand nutrition, analyze food labels, and develop an appropriate exercise plan. Students learn how physical activity affects different body systems and about key exercise concepts including cross-training, overload, and flexibility. Students become more familiar with the systems of their bodies, learn about common ailments, and examine the importance of self-esteem and emotional well-being in creating overall health.

Prerequisite: None

Length: Two Parts

Internet Safety

Why take safety measures when using the Internet? What are the differences between interacting in the real world and interacting in a virtual world? In Internet Safety, students think critically about what constitutes appropriate behavior online and expand the range of their online interactions. This course begins by identifying safety precautions for online communication, sharing content responsibly, keeping accounts safe, and preventing identity theft and viruses. Students learn to identify appropriate online behavior and compare and contrast real and virtual citizenship. The course defines cyberbullying and encourages students to consider its consequences, and to report those who engage in the behavior. Lessons also include explanations of phishing, plagiarism, copyright terms, and fair use. The course ends by explaining how to recognize quality websites for research, safely use social networking sites, and buy and sell items online.

Prerequisite: None

Length: One Part

Music Theory and Appreciation

Have you ever wondered why some notes sound great together and others don't? Or how musicians translate the symbols of sheet music into the music you hear? Music theory—the study of how music works—is essential to any aspiring composer or performer. Students develop their knowledge through listening exercises, drawing and identifying notation, creating basic compositions, and analyzing music samples. In the second part of the course, students focus on music appreciation as they survey the development of music, beginning in ancient Greece and ending with modern western music. Students learn how to distinguish music from different periods and describe how music relates to its historical, cultural, and social context. By the completion of this course, students have a strong foundational understanding of music, preparing them to learn how to play an instrument or continue to more advanced music studies.

Prerequisite: None

Length: Two Parts

Problem Solving

This course provides students with a fundamental overview of problem solving. Students learn George Pólya's four steps to problem solving and identify the best strategies for solving particular problems, such as determining how long it will take to save enough money for a new video-game system, how to choose the best transportation option, or what to do when the computer crashes and a term paper is due. The course also covers advanced concepts such as finding patterns and using inductive reasoning—even using algebraic techniques for solving real-world problems. After completing this course, students will have the confidence to tackle any type of problem, from a challenging math activity to losing a set of keys.

Prerequisite: None

Length: One Part

Study Skills

Why are study skills important? What methods and techniques can students use to support studying, limit distractions, and prevent procrastination? The Study Skills course helps students develop a program to manage their study time, enhance concentration, and accomplish goals. Topics include identifying causes of study-related stress; techniques for relieving stress; the pros and cons of studying alone and in study groups; and improving reading comprehension, reading fluency, writing, and note-taking. The course concludes with strategies for preparing for tests and reducing test anxiety, leaving students well-prepared to meet their academic challenges.

Prerequisite: None

Length: 9-week

Credit Recovery

Language Arts 6th Grade Credit Recovery- Part 1

Part 1 of this course focuses on three things: grammar, short stories, and presenting information. In the first unit, students examine grammatical concepts such as parts of speech, sentence structure, and punctuation rules. This review of the building blocks of writing prepares students to engage in a creative writing assignment, which they begin in this unit of the course. In the second unit, students study creative fiction, including folktales from around the world and a short drama by A. A. Milne. Through their study of these works, students learn more about other cultures as well as about elements of fiction. Studying fiction will help students to use literary elements such as character, setting, and dialogue as they develop their own original short stories. In the third unit, students learn about some of the key elements of presenting information, either through their writing or in an oral presentation. Lessons in this unit focus on topics that include understanding secondary sources, differentiating between fact and opinion, speaking effectively, and creating multimedia presentations. Through their studies in this part of the course, students learn to be critical readers, listeners, speakers, and writers.

Language Arts 6th Grade Credit Recovery- Part 2

Part 2 of this course delves deeper into the elements of literature and creative writing as students study both poetry and the classic novel *Roll of Thunder, Hear My Cry*, by Mildred D. Taylor. In the first unit, students study a wide selection of poetry by authors including Robert Frost, Emily Dickinson, W. B. Yeats, and Matsuo Bashō. As they read these poems, students learn to analyze figurative language, rhyme, rhythm, poetic structure, and other key elements of poetry. This study of poetry culminates in a three-part writing assignment in which students analyze a poem. Throughout the rest of the course, students read *Roll of Thunder, Hear My Cry*. This renowned novel tells the story of 10-year-old Cassie Logan and her family, who live in rural Mississippi in 1933, and their struggle against racism and discrimination. As they read this novel, students learn about the elements of literature, including plot, setting, character, theme, and point of view. Their study of these elements will help students to analyze literature in a thoughtful manner.

Language Arts 7th Grade Credit Recovery- Part 1

Part 1 of this course examines a wide range of fiction and nonfiction, while also delving into the more technical aspects of writing including sentence structure and sentence variety. Students begin the course by studying dynamic short stories such as “All Summer in a Day,” “The Third Level,” and “Rip Van Winkle.” From there, they move on to study the informational essay, first by reading several examples and then by developing their own informational essays.

In the latter part of the course, students read Jack London’s novel *The Call of the Wild*, a story of a dog surviving in the Alaskan wilderness after being stolen from his California home. This novel teaches students to think critically about external conflict and its role in the development of the plot of a story.

This part of the course ends with lessons about poetry. Students study the different types of poetry, such as the narrative poem and haiku, as well as poetic elements including rhyme, rhythm, alliteration, and onomatopoeia. Throughout this part of the course, students learn to think critically about both fiction and nonfiction.

Language Arts 7th Grade Credit Recovery- Part 2

In Part 2 of this course, students continue their study of fiction and nonfiction. Students begin the course by studying nonfiction and the elements of persuasive writing. By reading famous speeches such as John F. Kennedy’s inaugural address and *Blood, Toil, Tears, and Sweat*, by Winston Churchill, students learn about the structure and key elements of persuasive writing. These lessons prepare them to write their own persuasive essays in this part of the course.

Additionally, students study vocabulary and grammar throughout the course. Students look at prefixes, root words, and suffixes to better understand the relationships between words. They also study some of the technical components of writing, such as the parts of speech. This unit helps students write formal texts.

In the final unit, students read excerpts from Louisa May Alcott’s novel *Little Women*. This story of four sisters growing up during the Civil War helps students make cultural and historical connections to another time as they study the elements of a novel.

Language Arts 8th Grade Credit Recovery- Part 1

Part 1 of this course immerses students in a wide range of literature and nonfiction in order to hone their critical thinking skills. The course begins with an overview of the writing process, preparing students to practice that process as they work on a persuasive essay. Students also study persuasive techniques and methods of finding and citing sources for a paper.

They examine both persuasive and informational essays to get a better understanding of how to read and write these types of texts. As the course progresses, students study different genres of literature, including poetry, short stories, and drama. Students begin by studying different poetic elements and types of poems, including Henry Wadsworth Longfellow’s “Paul Revere’s Ride,” Lewis Carroll’s “Jabberwocky,” and Langston Hughes’s “Harlem.” From there, they move on to analyzing fiction and elements of drama. The course ends with the play *The Diary of Anne Frank*, based on the world-renowned nonfiction book of the same title. This expansive selection of literature immerses students in a variety of genres and cultures.

Language Arts 8th Grade Credit Recovery- Part 2

Part 2 of this course introduces students to a range of significant historical works. Students begin by studying nonfiction texts by well-known writers including Frederick Douglass, Benjamin Franklin, and Mark Twain. As they study these texts, students become familiar with the characteristics and style of informational writing. Their work in this unit prepares them to write an informational essay, which they will work on throughout the course. In the latter half of the course, students read Stephen Crane’s best-known novel, *The Red Badge of Courage*. This novel, set during the Civil War, tells the story of a private in the Union Army who struggles to learn the true meaning of courage. As they study this novel, students learn how to analyze historical context, plot, setting, character, conflict, and other literary elements. Through this study of American literature and history, students learn to think critically about the past while honing a range of literary skills.

Mathematics 6th Grade Credit Recovery- Part 1

This course is designed to reinforce students' knowledge of the concepts they will need to understand in order to master sixth-grade mathematics. Part 1 of this course focuses on fundamental mathematical concepts at the sixth grade level. Throughout this part, students focus on essential number concepts and beginning algebraic concepts. Topics covered include number classification; fractions and decimals; square and cube roots; absolute value; units and measurement; ratios, rates and percentages; and algebraic expressions. Through analysis and practice of these concepts, students gain the skills necessary to succeed with grade-level mathematics concepts.

Mathematics 6th Grade Credit Recovery- Part 2

This course is designed to reinforce students' knowledge of the concepts they will need to understand in order to master sixth-grade mathematics. Part 2 of the course focuses on fundamental mathematical concepts at the sixth grade level. Throughout this part, students focus on essential algebraic and geometric concepts. Topics covered include solving equations; the coordinate plane; polygons and transformations; center, spread and shape; and data displays. Through analysis and practice of these concepts, students gain the skills necessary to successfully complete the course material.

Mathematics 7th Grade Credit Recovery- Part 1

This course is designed to reinforce students' knowledge of the concepts they will need to understand in order to master seventh-grade mathematics. Part 1 of the course focuses on fundamental mathematical concepts at the seventh grade level. Throughout this part, students focus on essential algebraic concepts. Topics covered include number comparison, rational numbers, the order of operations, expressions, number properties, solving equations and inequalities, and graphs of linear equations. Through analysis and practice of these concepts, students gain the skills necessary to succeed with grade-level mathematics concepts.

Mathematics 7th Grade Credit Recovery- Part 2

This course is designed to reinforce students' knowledge of the concepts they will need to understand in order to master seventh-grade mathematics. Part 2 of the course focuses on fundamental mathematical concepts at the seventh grade level. Throughout this part, students focus on essential algebraic and geometric concepts. Topics covered include proportional and non-proportional relationships, angle classification, similar figures, surface area and volume, data displays, permutations and combinations, and probabilities of events. Through analysis and practice of these concepts, students gain the skills necessary to successfully complete the course material.

Mathematics 8th Grade Credit Recovery- Part 1

This course is designed to reinforce students' knowledge of the fundamental concepts they will need to understand in order to master eighth-grade mathematics. Part 1 of the course focuses on fundamental mathematical concepts at the eighth grade level. Throughout this part, students focus on essential algebraic and geometric concepts. Topics covered include exponents and scientific notation, rational expressions, proportions, linear and simple quadratic equations, surface area and volume of prisms, graphs of common functions, scale factor, and sequences. Through analysis and practice of these concepts, students gain the skills necessary to succeed with grade-level mathematics concepts.

Mathematics 8th Grade Credit Recovery- Part 2

This course is designed to reinforce students' knowledge of the fundamental concepts they will need to understand in order to master eighth-grade mathematics. Part 2 of the course focuses on fundamental mathematical concepts at the eighth grade level. Throughout this part, students focus on essential algebraic and geometric concepts. Topics covered include linear functions and basic systems of equations, triangle theorems, transformations of figures on the coordinate plane, data displays, and probabilities of events. Through analysis and practice of these concepts, students gain the skills necessary to successfully complete the course material.

Science 6th Grade Credit Recovery- Part 1

Science is not just a subject to be studied; it is a process that can be used to solve problems. The first part of the sixth grade science course begins with an exploration of that scientific process. Once a scientific mindset has been established, students will examine the various branches of the sciences. Science can be divided into three general categories: physical, life, and earth. Students will start with the physical sciences, chemistry and physics. In their study of chemistry, students will learn about the properties of matter. As they explore physics, students will study motion and the phenomena that cause it. Students will learn how to define motion, understand the laws that govern it, and become aware of the forces that cause it. They will also study energy, which can be both the cause and the result of motion. Students will learn about the forms of mechanical energy and the properties of electrical energy. From there, the course moves into the earth sciences, with a particular emphasis on geology, the study of Earth's structures and processes. Students will study the structure of Earth, the processes by which rocks and soil are formed, and the water cycle. They will also learn about the study of weather patterns, meteorology; weather is one of the mechanisms by which water moves. Students will complete this part of the course with a study of how Earth's atmosphere, the water cycle, and Earth's other movements combine to create the weather and overall climate of a region. They will also take time to explore Earth's changing climate.

Science 6th Grade Credit Recovery- Part 2

Sixth grade science provides an overview of the major groups of science. The second part of this course covers the life sciences and ecology. Students begin their study of life with its most basic unit, the cell. Students examine the two different kinds of cells and the structures within cells that carry out the processes of life. Students will also learn about the structures that carry the blueprint for an organism and the traits that will be passed down to its offspring. Students will then build on their knowledge by seeing how cells come together to make tissues, tissues come together to make organs, and organs and tissues come together to make organ systems. Students will learn about the three domains and five kingdoms into which all life on Earth is classified. They will learn how the classifications were developed and examine some representative members of these classifications. Finally, students will study ecology, which explores the environment and the ways organisms interact with it. Students will study the ways matter and energy cycle through the ecosystem. The course concludes with a discussion of efforts to conserve natural resources and preserve the environment.

Science 7th Grade Credit Recovery- Part 1

Seventh grade science shows students how science is used to study the natural world. The course begins with an overview of the methods used in laboratories and scientific investigations to process the information gathered in the process of science. Science can be divided into several different subjects; this course gives an overview of its major branches, beginning with chemistry. Students learn about atoms, how they are classified, and how they interact with other atoms and molecules. Chemistry and physics are sometimes combined as the physical sciences, because they are related in their study of energy. Students explore the science of motion, physics, by learning about the laws and quantities that govern motion. Students learn about the properties and characteristics of waves, which energy uses to travel. Finally, students are introduced to another physical science, earth science, as they explore Earth's structure and atmosphere.

Science 7th Grade Credit Recovery- Part 2

The first part of this course gave students an overview of the physical sciences: chemistry, physics, and earth science. The second part continues with the study of earth science, as students learn about the formation of the layers of Earth and changes that have occurred in those layers over time. Included in those changes are the movements of the surface of Earth that create landforms, cause earthquakes, and produce volcanoes. Students then learn more about the information hidden in Earth's layers: the fossil record. This record allows scientists to learn more about ancient life-forms. The course moves into biology as students learn more about these life-forms. They examine the classifications of life-forms and the different kinds of animal life. The modern theory is that current life on Earth evolved from earlier life-forms. Students will learn about the theory of natural selection, which allows favorable traits to be passed down to offspring, and explore how this mechanism could have led to evolution. Students will study genetics, which explains how traits are passed down. Finally, students will study the environment in which organisms live and the interactions between the components of the environment as they explore the natural science ecology.

Science 8th Grade Credit Recovery- Part 1

This course is an overview of the various branches of science. This part begins by looking at chemistry. Students will start by exploring the basic building block of matter, the atom. Then students will see how these atoms come together to make other types of matter and learn about the forms that matter takes. Students will explore the natures of compounds and mixtures, along with more information about specific examples of both. They will learn about the three phases of matter and discover the ways that matter can change from one phase to another. When physical and chemical changes occur, energy may change as well. Students will learn the nature of those energy changes. The course transitions from chemistry to biology by looking at the reactions that happen in the body. This part of the course concludes with an exploration of the various systems that make up the human body.

Science 8th Grade Credit Recovery- Part 2

The second part of this course continues the overview of the various branches of science. This part begins with a study of biology, as students examine how materials cycle through the environment. Next, students will look at life, beginning with its smallest unit, the cell. Students will learn about the cells that make up living organisms, some of which are single-celled and others of which are multicellular. Students will then learn about the structures and functions of the cell, including how the cell processes energy and reproduces itself. This part of the course then moves into an exploration of the science of physics. Students will discover the nature of motion and the laws that govern it. That study of motion will expand beyond Earth as students explore the motion of the other objects in the universe. The remainder of the course will be spent discovering outer space, as students learn about astronomy. Students will also learn about how Earth moves and how that movement affects life on Earth. Students will conclude the course by examining the structures of other objects found in space.

Social Studies 6th Grade Credit Recovery- Part 1

In this course, students will study the past and present while exploring the interconnectedness of human societies worldwide. The first part of the course begins with the first humans and the hunter-gatherer way of life. Students will examine how the first civilizations came to be and the importance of the Fertile Crescent to these civilizations. The course then tracks the progress of humans and the empires they created: the Persian empire, ancient Greece, and the Roman empire. The spread of religion will also be covered extensively in this course. This part of the course ends with an examination of the culture of medieval Europe.

Social Studies 6th Grade Credit Recovery- Part 2

The second part of this course continues the investigation of ways the past influences the present and societies in one part of the world influence those elsewhere. This part begins by exploring different periods in world history, including the Crusades, the Renaissance, the Reformation, the Middle Ages, and the colonial period. Students will also learn about African kingdoms, the geography of North and South America, and the people who lived in what came to be called the Americas: the Mayas, Aztecs, and North American civilizations. Students will learn about the global influences of technology, religion, trade, uprisings, conquering, and fights for independence. Students will examine critical concepts, pivotal events, and important historical figures to round out their study of world history.

Social Studies 7th Grade Credit Recovery- Part 1

In the first part of this course, students will revisit the transition of early peoples from a nomadic existence to an agricultural lifestyle. Students will explore the contributions made by early civilizations including those in ancient Egypt, China, and Greece. Many of these contributions, such as writing and art, continue to be relevant to modern life. Students will study life in ancient Rome, focusing on the development of a republic, and learn about the rise of feudalism during the Middle Ages. Students will dig deeper into the cultural, economic, political, religious, and social changes occurring at the time. The course will conclude with the creation of the estates of the realm and the impact of the Black Death, both of which provide a framework for the second part of the course. This course will also help students to strengthen their critical thinking skills through the use of primary resources, videos, and online activities. Students will compare and contrast events and developments between various groups of people and environments. In addition, they will engage in historical inquiry and problem solving through lessons on continuity and change during the historical periods studied.

Social Studies 7th Grade Credit Recovery- Part 2

The world is constantly changing and evolving. The purpose of social studies is to study the past to help evaluate the present. The second part of this course gives students a rich sample of the history of various parts of the world. Students will start their lessons in the kingdoms of Europe, investigating its rulers, geography, and the dominant lifestyles. Students will also learn about the Roman Empire, the Crusades, the Renaissance, the Spanish Inquisition, the colonial period, and the Enlightenment. Lessons about culture, conflict, and compromise help students learn about the history of the world.

Social Studies 8th Grade Credit Recovery- Part 1

Part 1 of this course guides students through the first half of American history. Students will learn about early colonial life as they explore the geographic distinctions of the Northern, Middle, and Southern Colonies. Students will investigate the creation of the new nation, the founding fathers, the Revolutionary War, and the key documents that provided the foundation for the government of the new nation. Finally, students will learn about key events in American history of the nineteenth century, ending with westward expansion.

Social Studies 8th Grade Credit Recovery- Part 2

The second part of this course covers the second half of American history, beginning with the glories and trials of expanding the nation westward. Students will investigate the controversy over whether or not to bring the institution of slavery to the newly formed states. From here, students dive into an examination of the Civil War, including specific battles and, after the war, Reconstruction in the South. Students will also look at the Spanish-American War before they step into the twentieth century, learning about such important events as World Wars I and II, the civil rights movement, and the Cold War.



Course Features

- **Skills and Objectives** – Lessons introduce skills that students will be honing and objectives that are being covered.
- **The Page Two Video** – Certain topics can cause affect in students – they may seem so difficult that a learner may turn off. Accelerate videos connect topics with real-world application or builds on prior knowledge. In this way students connect with something they know and feel comfortable with.
- **Many Times, Many Ways** – When teaching a new skill, it will be presented multiple times and in different ways. That could mean the student encounters the skill in a video, through practice, textually, via audio or in confirmation learning exercises. Learning theory suggests that a new concept or skill needs to be encountered a least a dozen time before transfer occurs.
- **Formative Support** – Accelerate believes in building student confidence. One important way to do this is to provide immediate feedback both instructionally and in quizzes. Frequently students will be given questions based on direct instruction, which they are encouraged to answer. These are ungraded and are designed to show the student essential learning along with an explanation of how an answer was derived. All quizzes have formative feedback based on student answers.
- **On-Page Note Taking Tool** – Students can take notes on any page and save them to a module accompanying the instruction. This can help students prepare for assessment. Moreover, teachers can see these nots as well.
- **Instructional Videos** – Any given lesson may have one to three videos created by certified teachers. Careful consideration is given to length, tone, and pace of videos.
- **Electives** – The Accelerate catalog has over two dozen elective courses to choose from including new technology courses such as Scratch Coding and Keyboard, art courses such as Basic Drawing and Art Appreciation as well as Character Appreciation and Study Skills.
- **Assessment** – Each lesson contains at least one written assessment. Lessons are followed by quizzes. Each unit is followed by a comprehensive exam.

Course Types

Original Credit – Standards aligned courses that take between 60-75 hours to complete per semester. Courses contain content, assessment, and teacher guides.

Accelerate Education

Language Arts

Language Arts 6

Semester A of English 6 is divided into two main categories: Storytelling and Heroes. Assignments include writing a narrative essay and completing a book report. Semester B of English 6 covers the main topics of Myth and Poetry. Student assignments include writing an original fairy tale and composing a poem.

Prerequisite: Language Arts K-5

Length: Two Semesters

Materials Required: Required Novels: Roll of Thunder, Hear My Cry. The Giver. Optional Novels (Choose 2): Watsons Go To Birmingham. Walk Two Moons. The Westing Game. Freak the Mighty. Seedfolks. True Confessions of Charlotte Doyle.

Language Arts 7

Semester A of English 7 students will become more critical consumers of information and of various forms of media. They will also synthesize and organize ideas to prepare structured essays in several different modes, including narrative, persuasive, and expository. Each lesson will guide students in learning and applying specific strategies for reading and writing different types of texts. A review of basic English mechanics is included in many of the writing lessons, along with a discussion of levels of formality required for different purposes and audiences. This course provides instruction in many modalities, including audiovisual presentations and videos, interactive activities, projects, and discussions. Opportunities for teacher feedback are frequent, detailed, and varied.

Opportunities for teacher feedback are frequent, detailed, and varied.

The second semester of Language Arts 7 builds on the skills and concepts introduced in the first semester. Students tackle more difficult texts and themes in Semester B, and the level of analysis demonstrated and required is more in-depth. In this part of the course, students study the English language closely—both its history and evolution, and the less obvious ways it can be used to convey meaning. The reading assignments are selected to guide students in understanding how language can be used to convey broader themes in poetry, drama, and humorous or satirical texts. Students continue to develop their writing skills through multi-draft assignments and projects. Emphasis in this semester is on recognizing the multiple levels of meaning that any word or phrase might convey, and in writing one's own texts with these concepts in mind.

Prerequisite: None

Length: Two Semesters

Materials Required: Required Novels: Julie of the Wolves. The Outsiders. Poetry Speaks Who I am. Optional Novels (Choose 2): Where the Red Fern Grows. Nothing But the Truth. The Cay. A Christmas Carol. A Day No Pigs Would Die.

Language Arts 8

In Semester A, students will master the subtle and complex art of the Standard American English writing style, allowing them to express their ideas more clearly and effectively than ever before. As students become experts on sentence structure, verb tenses and punctuation, they'll learn not only what the grammar rules are, but the logic behind them. Alongside this rigorous language instruction, students will analyze the poetry of legendary writers such as Seamus Heaney, Robert Frost, and Jane Kenyon. In addition, they will practice effective research techniques and prepare complete and polished reports and essays. Their work will also cover formal letter writing, biographical essays, and creating a bibliography. Students will use strategies such as the Sign and Design Mind and Clustering to help form their ideas and develop stories and arguments. Entertaining videos and diverse reading selections provide a wealth of information. Peer discussions and teacher feedback also contribute to help students learn the processes needed to become more effective writers.

In Semester B, the purpose of this course is to build upon the skills presented in English 8A and enhance the focus and style of academic writing. Students continue to develop advanced traits of formal language through challenging activities and exercises that get at the heart of precise communication. Through careful study of parts of speech, verb forms, and sentence clauses, students will be prepared to write at the High School level without distracting errors that get in the way of self expression. Students will complete six units of varying topics, comprised of five lessons each. Besides grammar instruction, each unit encourages a love of literature with captivating and age-appropriate novels and stories. Detailed Novel Study Guides challenge students to go beyond basics like plot and setting to really analyze and engage with literature. In addition, the student will outline, draft and revise a polished research paper, while learning the importance of avoiding plagiarism, citing sources, and organizing arguments. This ability to craft a strong thesis and prove it with evidence will equip students for creative and logical writing in high School and beyond.

Prerequisite: None

Length: Two Semesters

Materials Required: Required Novels: *The Pearl*. *Diary of a Young Girl*. Optional Novels (Choose 2): *My Brother Sam is Dead*. *Across Five Aprils*. *The Ox-Bow Incident*. *That was Then, This is Now*. *House of Dies Drear*.

Math

Math 6

Students begin the first semester of this course with a review of basic addition, subtraction, multiplication and division of whole numbers. More complex concepts are built on these basics. Students learn how to add, subtract multiply and divide integers, decimals and fractions. The course also includes lessons on ratios and proportions.

The second semester of Math 6 introduces students to the order of operations and how to use them in solving application problems. Building on these concepts, students are then introduced to the basics of algebra and algebraic expressions. Students then learn how to apply these problem-solving skills to percents and solving single and multiple step equations. An exploration of Geometry, probability and statistics concludes the second semester.

Prerequisite: None

Length: Two Semesters

Math 7

In this first semester, students work with problem-solving skills, beginning algebra skills, geometry, decimals, fractions, data analysis, number theory and patterns, percents, and integer use. Projects measure the student's ability to integrate and apply the course objectives.

In this continuation of the first semester, students work with fractions; unit conversions; proportions and rates; percents; geometry topics including lines, angles, polygons, polyhedrons, perimeter, area, surface area, volume, and transformations; squares and square roots; permutations and combinations; and probability. Real-life application of concepts is emphasized in all units.

Prerequisite: None

Length: Two Semesters

Pre-Algebra

In Semester A, Pre-Algebra will help students move from the world of simple mathematics to the exciting world of Algebra and Geometry. They will develop skills that will be necessary throughout their life. Students will stretch their thinking by learning to solve real world problems. Learning math and algebra concepts can be fun. Abstract ideas can be challenging for many students but the challenge is one they can meet. Concepts are presented with a little humor, making the learning fun. Students will enjoy learning each new concept and develop a deeper understanding of the math skills they already have. Each concept is presented using examples of the skills, concepts, and strategies students will need. Scaffolding of ideas is provided to ensure student learning. The course is offered in a six-unit format containing 5 lessons each for a total of 30 lessons. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems. The pace is controlled by the student and reviewing the material is encouraged.

Pre-Algebra B will continue to move students into the exciting world of the unknown, Algebra. Building on what they have learned in mathematics and Pre-Algebra, students will expand their skills. They will be introduced to increasingly abstract concepts. Pre-Algebra B will provide the student with a concrete understanding of the basics for algebraic thinking. With numerous hands on activities and demonstration videos, they will have multiple opportunities to enhance their process solving skills. Students will be given different assessment opportunities to demonstrate mastery of each skill. The course is offered in a six-unit format containing 5 lessons each for a total of 30 lessons. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems. The pace is controlled by the student and reviewing the material is encouraged.

Prerequisite: Math 7

Length: Two Semesters

Science

Life Science 6

Life Science is the study of cells, heredity, biological populations and their changes over time. It includes human biology, ecology, diversity of organisms and the history and nature of science. In this course, students will have the opportunity to conduct and design experiments, identify and classify organisms. Students will work on developing skills in data recording, classifying, measuring, observing, hypothesizing, analyzing, evaluation and inferring.

Life Science is the study of cells, heredity, biological populations and their changes over time. It includes human biology, ecology, diversity of organisms and the history and nature of science. In this course, students will have the opportunity to conduct and design experiments, identify and classify organisms. Students will work on developing skills in data recording, classifying, measuring, observing, hypothesizing, analyzing, evaluation and inferring.

Prerequisite: None

Length: Two Semesters

Materials Required: Basic Kitchen Lab Supplies

Earth and Space Science 7

In the first semester students will learn about the scientific method and hone their understanding of using scientific measurements to Earth and Space Science. Also included are lessons on Earth maps and globes including detailed instruction on how to find specific locations using latitude and longitude. Much of the first semester focuses on space science. Students will learn about Earth movements, seasons, the Moon, tides, solar and lunar eclipses, the Sun and its role as the main source of light and energy in the solar system. They will learn about planets, asteroids, meteors, comets and their orbits and how force gravity holds it all together. Outside the solar system there are lessons on stars, constellations, nebula, the Milky Way and galaxies beyond. There have been many recent discoveries in space science. Accordingly, careful attention has been given to presenting the most updated information available in areas of discovery such as stars with planets and the latest methods of detecting them as well as a look at NASA's most recent Curiosity landing on the Martian surface.

Prerequisite: Math 6, Science 5, Science 6

Length: Two Semesters

Materials Required: Basic Kitchen Lab Supplies

Physical Science 8

This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life. This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life.

Prerequisite: None

Length: Two Semesters

Materials: Basic Kitchen Lab Supplies

Social Studies

Social Studies 6

The first semester of Social Studies 6 introduces students to the beginnings of ancient civilization. We will trace the path of human origins in Africa and follow the path of migration around the Earth. This course will help students understand why we study history and the process in which we form conclusions about events in the past. Students will begin to learn about the major ancient civilization around the world and their cultures. Modern civilizations can trace their foundations to these ancient civilizations, and their cultures and histories teach us much about ourselves and the modern world in which we live. In the second semester of Social Studies 6, students will continue to examine ancient civilizations and their cultures. In this semester we will continue to trace the path of human civilization from the Mediterranean through the Eastern world. An emphasis will be placed on critical thinking and connecting themes in history to our modern world.

Prerequisite: Social Studies 5

Length: Two Semesters

Social Studies 7

This study of the history of the United States emphasizes how ideas, events, and philosophies have shaped the nation. Students will learn about America's past while mastering the skills of historical interpretation. Study begins with the earliest arrivals of people and ends with the conclusion of the Civil War. This course is a continuation of the first semester with an emphasis on how historical ideas, events, and philosophies have shaped the United States. Beginning with Reconstruction, this course uses the same skill development approach to guide students through U.S. history to the present.

Prerequisite: None

Length: Two Semesters

Social Studies 8

In this course students will understand the significance of government, law, and politics. They will examine the United States foundational documents and how they shaped the United States government. Students will examine the purposes and functions of federal and state government, law, and political systems. Learners will evaluate their role and civic responsibility to their families, communities, and country including voting and being a productive member of society. Learners will follow a step-by-step approach for successfully completing each lesson, which includes textbook reading, interactive activities, supplemental reading, lecture, video clips, and Powerpoint presentations to enhance and reinforce learning. Learners receive frequent feedback from teacher and peers through discussions. In Semester B, the course takes a more individualistic approach as students closely examine topics such as the justice system, local government, the environment, and the economy. Learners will understand the role that they play in each of these topics and the differences that they can make. Students will get to know leaders and influential people that have championed many causes including civil rights and the environment. Learners will also learn proper ways to interact in society including interpersonal skills and respecting differences in others including disabilities. By the end of semester B students will have a deeper understanding of their civic responsibilities as well as the difference one individual can make in society.

Prerequisite: None

Length: Two Semesters

Electives

MS Art Explorations

Introducing students to diverse areas in the arts can broaden their perspective on the arts in general. Arts Explorations encourages students to experience each of the modern arts disciplines including Visual Arts, Theatre, Music, Media Arts and Dance. Students will also be able to identify areas of special interest where they would like continued study and the ways that the arts can be a part of their career paths.

Major Concepts:

- Introduction to the arts: Gain a better understanding of the different forms of art and recognize the products of modern arts careers.
- Film and television: Discover the history of film and television and its evolution including technological inventions and inventors, directors, actors and other socio-cultural impacts of film and television.
- Media arts: Explore digital photography, photojournalism, photo manipulation and more and learn how to capture scenes and edit them using modern technology.
- Studio arts: Learn the artistic elements and techniques needed to compose a range of different artwork using various mediums.
- Art history: Discover the rich history of the arts and the major artists and works that have built the foundation for the arts today.
- World music: Analyze the musical works from Russia, Spain, Ireland, Africa, Hawaii and beyond.
- American music: Gain a better understanding of American music by learning about the schools, organizations and artists that have contributed to the music industry beginning as far back as colonial times.
- Theatre: From backstage to the spotlight, identify various jobs and roles associated with theatre.
- Dance: Discover the evolution of dance, from ancient ritualistic ceremonies to the moonwalk and Michael Jackson.

Prerequisite: None

Length: One Semester

Basic Drawing

In Basic Drawing, students will experiment with several different art materials and tools to see what each tool can do best. Students will explore ordinary things around them to become more observant of the structures and meanings of things which can be seen in your their home and community. Your work will be your own study of the forms, textures, movements, and patterns of the things that you see everyday. Each project and each lesson is based on the one before it; so always do the lessons in the order they are given. Be sure to follow the directions exactly regarding which materials, sizes, and subject matter to use for each project. Each lesson will be a study of a new way of drawing. The examples given will show only the method and materials to be used, never the same subject or size as the project assigned. The examples are never to be copied. An example will only show one way of using the technique described. By becoming more observant, by experimenting with new materials, and by exploring a variety of methods, students will continue to grow in artistic skill and enjoyment. Beyond fundamental skills are various levels of creativity. Each lesson provides room for expressing the technical skill learned in a unique, creative way.

Major Concepts:

- Utilize various drawing tools including: pencil, conté, pen, and brush.
- Draw images using various techniques including: cross hatching, contour line, gesture, shading, washes, and texture.
- Demonstrate the illusion of space and depth on a two-dimensional surface with the use of: scale, placement, overlapping, linear perspective, and aerial perspective.
- Illustrate the full value range possible in various drawing tools and use value to define space and images in projects.
- Demonstrate an awareness of line quality that will add to the visual description of subjects in drawings.
- Solve design issues for final images of landscape, interior, still life, animal, and figure drawings. This will be accomplished by arranging images and elements so the viewer will see the meaning or impact you intended.
- Gain clarity and self-confidence in visual decision-making.
- Solve assignment challenges with planning, practice, patience, and the use of techniques introduced in the course.

Prerequisite: None

Length: One Semester

Materials Required: 1 drawing pencil, 2B, 1 round hair brush #10, 1 bottle India Ink, black, 1 Pilot Varsity Pen, self contained black ink, 2 conté,crayons: white, black, 1 Art gum eraser, 1 white, wax Crayola crayon, 40 sheets white drawing paper 9x12, 5 sheets construction paper, 9x12 black, 15 sheets grey construction paper 9x12, 14 large envelopes 10x13, 2 sheets white watercolor paper (rough, heavy, stiff), 2 sheets rice paper 9.5x12 (soft, translucent), 25 sheets newsprint 9x12, 1 bottle white glue (obtain locally).

MS Beginning Painting

This course introduces students to classical and contemporary painting, techniques and concepts, with emphasis on the understanding of its formal language and the fundamentals of artistic expression. Painting from still life, landscape, and life models from observation will be geared towards realism; at the same time, various other painting styles could be explored. Color theory, linear perspective, compositional structure, figure/ground relationships, visual perception, spatial concepts, and critical thinking skills will all be emphasized. Students will study and research major painting styles and movements in historical context. The hope is that students will use this global approach to develop a “critical eye” in evaluation of contemporary painting. Acrylic and watercolors are the mediums used in this class. The main emphasis of this course is to encourage and nourish individuality and creativity.

Major Concepts:

- Demonstrate skills in creating painted works with acrylic medium.
- Show skills in creating painted works with watercolor medium, including washes and dry brush techniques.
- Solve assignment challenges with planning, practice, patience, and the use of techniques introduced in the course.
- Master color mixing in two painting mediums.
- Identify and apply color harmonies.
- Gain awareness of art movements and artists throughout the history of painting.
- Enhance good design principles with a focus on the composition of painted assignments.
- Display clarity and self-confidence in visual decision-making.

Prerequisite: None

Length: One Semester

Materials Required: Chromacryl tube of acrylic paints, Round brush, Flat brush, Watercolor paints (includes brush), Set of markers, Painting paper (use for all paintings), Newsprint paper (do not use for painting projects), 1 4b pencil, 7 project cardstock pages.

Buzz Orientation (6-12)

This is a mini-course that consists of two units and is not credit bearing. And it might be the most useful course learners take. The first unit preps students for working in Buzz. Buzz is the learning management system that houses Accelerated online courses. Not only do students learn how to access their courses in Buzz, but also how to communicate with teachers, check grades, as well as monitor their dashboard for progress. Other topics include how to submit assignments, conduct online research, Netiquette, and smart ways to take notes.

Prerequisite: None

Length: Two Units

Internet Safety (6-12)

The Internet Safety unit prepares students for the realities of being online. Topics covered include cyber-bullying, protecting oneself against predators, how to stay away from viruses and malware, social engineering, and an in-depth look at cheating and plagiarism. Those who learn the skills taught in this course will not only be more successful students but will have information that will aid them as adults.

Prerequisite: None

Length: Two Units

MS Computer Basics

In this course you will learn how to use productivity and collaboration tools, such as G Suite by Google Cloud to create word processing documents, spreadsheets, surveys and forms such as personal budgets and invitations.

Prerequisite: None

Length: One Semester

MS Health

This course will help the student understand the importance of making decisions that will affect his or her physical, emotional, mental and social health. This course will provide students with the knowledge and resources they will need to make responsible informed decisions about their health. Students will have an opportunity to evaluate their own values, opinions and attitudes about health.

Major Concepts:

- Successful Decision Making & Goal Setting
- Improving your Physical Fitness
- Maintaining Good Mental & Emotional Health
- Building Self-Esteem
- Tobacco & Alcohol
- Teens & Drugs

Prerequisite: None

Length: One Semester

MS JavaScript Game Design

JavaScript is one of the best languages to learn, it makes the browser come alive! This course will teach students JavaScript through coding multiple computer games including, pong, fish, a platformer and tower defense! They then will code or customize their own game! Students will be writing all the code themselves from going through the individual lessons and watching the video reviews. They will learn about variables, functions, listening events, loops, arrays and objects. This course assumes no coding experience and includes self graded quizzes and tests. Students will also upload their work at the conclusion of each project while creating an online portfolio.

Prerequisite: None

Length: One Semester

Materials Required: Students will need a Windows PC or MAC for this course; Chromebooks and tablets are not sufficient.

MS Keyboarding

The keyboarding course is appropriate for elementary and middle school students. The curriculum introduces new keys by rows where students first learn the middle row, then the top row and the bottom row of the keyboard. The content is designed with a strong focus on sight and high frequency words. This course assumes no keyboarding experience and will guide them through the keyboard. The curriculum introduces new keys by rows where students first learn the middle row, then the top row and the bottom row of the keyboard. The content is designed with a strong focus on sight and high frequency words. This course assumes no keyboarding experience and will guide them through the keyboard.

Prerequisite: None

Length: One Semester

Materials Required: Students will need a computer or laptop for this course; tablets are not sufficient.

MS Physical Education

This course combines online instruction and student participation in daily physical activities. Students will engage in warm-up, aerobic, and cool down activities. Students will be empowered to make positive choices, along with encouragement to develop positive habits in fitness, wellness, and movement. They will learn about injury prevention, nutrition, diet and stress management. This course will help the student understand the value of a lifetime of physical activities. The course is aligned with the State Standards for Physical Education. The student will understand and complete a Physical Education Fitness Assessment, along with daily logs of their physical activity. They will create a One Month Personal Physical Fitness Plan. Students may enroll in this course for either one or two semesters.

Prerequisite: None

Length: One Semester

MS Scratch Coding

Scratch is a program developed by MIT teaching students the basics on how computers think! This program will introduce students to real coding programs and allow them to drag and drop coding blocks creating a fully functional program. The simple user interface and tutorials allow students to quickly create and run their code to see its results! This course assumes no prior computer coding knowledge and includes self-graded multiple-choice tests and quizzes. Scratch is a program developed by MIT teaching students the basics on how computers think! This program will introduce students to real coding programs and allow them to drag and drop coding blocks creating a fully functional program. The simple user interface and tutorials allow students to quickly create and run their code to see its results! This course assumes no prior computer coding knowledge and includes self graded multiple choice tests and quizzes.

Prerequisite: None

Length: One Semester

Materials Required: Students will need a computer or laptop for this course; tablets are not sufficient.

MS Study Skills

The Study Skills and Strategies course equips students with skills and understandings critical to effective learning. Using a unique approach to the traditional topic of study skills, this course weaves understanding regarding the role of the brain in learning into the instruction of discrete learning skills and strategies. Moving beyond a list of good tips and ideas, the Study Skills and Strategies course will challenge students to develop intentional approaches to learning. They will be required to make connections between the strategies and skills they learn in this course and the implementation of those strategies and skills in their other coursework. Upon completion of the course, students will have learned a variety of specific learning skills and strategies, gained greater understanding of their own learning preferences, and become prepared to develop and implement specific learning and study plans for any academic course or other learning needs.

Major Concepts:

- The Science of Learning
- Self-Management: Time and Organization
- Learn through Listening
- Learn through Reading
- Learn through Researching
- Learn through Writing
- Evidence of Learning through Testing

Prerequisite: None

Length: One Semester

World Languages

French 1 (Grades 8-12)

French 1 focuses on developing listening skills by repeated exposure to the spoken language. Speaking skills are encouraged through recommended assignments using voice tools. Reading and writing skills, as well as language structures, are practiced through meaningful, real-life contexts. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

Semester A; Major Concepts:

- Language connects people.
- You can learn a second language.
- The language we use changes with the situation.
- People appreciate your effort to learn their language.
- Learning another language will open the door to a new culture.
- Language requires you to solve problems.
- Conversations are more than questions and answers.
- You already have language skills that you can use to successfully learn another language.

Semester B; Major Concepts:

- You already have language skills that will help you learn another language.
- Language learning requires you to solve problems.
- Conversations are more than questions and answers.
- Learning another language will open the door to a new culture.
- Language and culture are inextricably linked.

Prerequisite: None

Length: Two Semesters

French 2 (Grades 8-12)

Semester A focuses on the continuation and enhancement of language skills presented in Level 1. Vocabulary and grammar structures are revisited and expanded to provide students an opportunity to move towards an intermediate comprehension level. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities, reading of culturally-related articles of interest and responding to reading in the target language. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

Semester A; Major Concepts:

- Learning a language is an ongoing process.
- The recognition and use of patterns of verb forms gives the speaker a wider range of communication skills.
- Successful communication requires knowledge of culture and customs.
- Culture influences perception, perspectives, values, and reaction.

Semester B continues the enhancement of language skills. Vocabulary and grammar structures are revisited and expanded as students explore other French-speaking areas. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities related to travel, to the Olympics, to natural disasters, and to the space program. Reading of culturally related articles of interest and responding to reading in the target language, along with the use of technology, reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

Semester B; Major Concepts:

- Using direct and indirect object pronouns makes speech sound more natural.
- Like the United States, France has territories and departments that are not located in mainland France.
- Reflexive verbs are often used to describe daily events related to personal care and feelings.
- Although English is the official language for most of Canada, the province of Québec is predominantly French speaking and is the only Canadian province whose official language is French.
- French speakers use two different tenses to describe events that occurred in the past.
- Haiti is an independent Caribbean nation with a rich history that has suffered many hardships due to natural disasters and corrupt leadership.
- French speakers can express what will happen using the future tense.
- French is not a direct translation of English.
- France has a space program, which is based in its département d'outre mer, la Guyane Française.

Prerequisite: French 1

Length: Two Semesters

Required Materials: Semester B Only: Joie De lire! Intermediate Reader Level 2. July 19, 2002 By Rinehart and Winston Holt (ISBN: 0030656273)

German 1 (Grades 8-12)

This German 1A course is an introductory course teaching basic comprehension and communication in German. It coordinates the study of language with culture through the use of video, audio and mass media production. This course assumes prior or no knowledge of the German language. It introduces the fundamentals of conversational and grammatical patterns of the German language with presentations to present the material. Students who complete the course successfully will begin to develop a functional competency in the four primary language areas: speaking, reading, listening and writing, while establishing a solid grammatical base and exploration into German culture.

Semester A; Major Concepts:

- Language connects people.
- You can learn a second language.
- The language we use changes with the situation.
- People appreciate your effort to learn their language.
- Learning another language will open the door to a new culture.
- Language requires you to solve problems.
- Conversations are more than questions and answers.
- You already have language skills that you can use to successfully learn another language.
- We gain knowledge of our own culture through comparing it with others.

The second semester course will expand on the knowledge gained from German 1A and further develop their skills in pronunciation, grammar skills, grammar structures and vocabulary. Oral practice (via Voice Tools), homework assignments, games, songs, watching videos, quizzes, tests, projects and other activities such as writing wikis and journal entries, will be emphasized to accomplish this goal. The different cultures of the German-speaking world are emphasized through readings, videos and other activities. Taking the time to learn another language is a mind-expanding activity that can open up a world of opportunities and advantages.

Semester B; Major Concepts:

- Language connects people.
- You can learn a second language.
- The language we use changes with the situation.
- People appreciate your effort to learn their language.
- Learning another language will open the door to a new culture.
- Language requires you to solve problems.
- Conversations are more than questions and answers.
- You already have language skills that you can use to successfully learn another language.
- We gain knowledge of our own culture through comparing it with others.

Prerequisite: None

Length: Two Semesters

German 2 (Grades 8-12)

In this course, students build on grammar and language skills that they acquired during their G1A and G1B courses. While reviewing basic grammar skills, (present and past tenses), students learn and study stem-changing verb conjugation and explore cultural themes regarding current events, famous German people, music and famous festivals.

Semester A; Major Concepts:

- Basic vocabulary, grammar and word structure are an important foundation to becoming more fluent in speaking and writing German.
- Learning about German-speaking culture and people gives you the tools to better understand the German people today.
- Learning words and structures for talking about your future is important to expressing yourself in German.
- Vocabulary and grammar describing daily life and life in the country are essential to understanding how others live.
- Knowing vocabulary and grammar related to living in the city allows you to draw better comparisons between where you live and German-speaking countries.

In the second semester course, students increase their proficiency in being able to communicate by forming more complex German sentences in a variety of tenses using all four cases (Nominative, Accusative, Dative and Genitive). The variety of topics increases also, from exploring different careers to discussing relationships. Cultural themes are entwined throughout this course related to going shopping, to going to the zoo and also to travel throughout the German-speaking world.

Semester B; Major Concepts:

- Correct use of shopping vocabulary and grammar are essential to living and expressing your opinion in German.
- Using the correct vocabulary and commands when participating in hobbies and going to the doctor allows you to have more successful experiences.
- Basic housing-related vocabulary is a fundamental building block in speaking German with fluency.
- German words and phrases are important to planning travel in and around Europe.

Prerequisite: None

Length: Two Semesters

Spanish 1 (Grades 8-12)

Spanish 1 is designed to develop an authentic and practical understanding of the Spanish language and culture. Students will have the ability to express their thoughts, feelings, and opinions in the target language within basic, real-life situations and learning scenarios. All new concepts, grammatical concepts, and cultural information will be introduced in context while incorporating various listening, speaking and writing activities.

Major Concepts:

- Language is an interactive and communicative experience.
- Learning a foreign language will allow you to make comparisons to your native language.
- Language requires the use of critical thinking (problem-solving) skills.
- By learning about other cultures and ways of life, you will make connections to your own and gain a deeper understanding of the world.
- Learning to ask meaningful questions is an important part of learning and using a language.
- Making plans in Spanish is a key component of interaction and conversation in Spanish.
- Spanish is not a homogenous language or culture, rather it is full of regional linguistic and cultural variation.
- Playing and talking about sports in Spanish is a great way to learn the language well.

Prerequisite: None

Length: Two Semesters

Spanish 2 (Grades 8-12)

Students build upon the foundation developed in Spanish 1. They continue to build vocabulary, learn new verb tenses and other grammar concepts, and they increase their ability to communicate with others. They learn new concepts, like reflexive verbs, infinitive expressions, commands, the imperfect tense. Semester B will continue building on vocabulary, grammar concepts and communicating effectively in the target language. You will explore new countries where Spanish is spoken and continue to keep abreast of current events in the Spanish-speaking world.

Semester A; Major Concepts:

- Comprehension of the material presented in Spanish 1 is vital for success in Spanish 2.
- The present progressive is useful to describe what is happening now, but English speakers must take care not to overuse it in Spanish.
- The reflexive tense is primarily used to discuss actions that are done to oneself.
- Object pronouns are vital to communication in Spanish and English.

Semester B; Major Concepts:

- Certain verbs in Spanish require the use of an indirect object pronoun.
- The Preterite tense is a common and important way to express the past in Spanish.
- Like the Preterite, the Imperfect also plays an important role in discussing the past.
- The Preterite and the Imperfect have distinct shades of meaning and must be used accordingly.

Prerequisite: Spanish 1

Length: Two Semesters

Odysseyware®



ODYSSEYWARE® is an innovative leader in digital learning across PA and the entire U.S., offering standards-aligned learning resources for grades 3-12, with built-in assessments, and dashboard access to actionable data.

Curriculum and Support

Instructional Design: All curriculum is based on an instructional design framework including systematic organization, backward design, explicit instruction, multimodal engagement, and gradual release of responsibility.

Vocabulary/Reference: Definitions and correct pronunciation of key academic vocabulary are provided at the beginning of every lesson. Students can lookup background information and context about any words or phrases.

Translation Tool/ELL Support: Any selected text included in the lessons can be translated into 23 languages with audio support.

Text-to-Speech Audio Supports: Six different voice readers are available at six fluency rates. Students can follow along with automated highlighting and tracking of words as they read.

Teacher and Students Notes: Students can take notes within the context of the lesson, adding interactive color-coded sticky notes, promoting informal writing and annotating text. Teacher notes can be added as additional scaffolds. Notes can also be printed and used as study guides.

Message Tool: Students can virtually raise their hand and communicate with their teacher using the message tool at any time as well as the “Ask for help” tool embedded within assessments.

Writer Tool: Applies six proven writing analysis indices for accurate scoring and feedback on topic consistency, grammar, spelling and word count.

Direct Instruction Media: Short (2-3 minute) direct instruction videos provide students step-by-step guidance in the conceptual understanding of key skills, impart background knowledge, and place concepts into real-world context. Videos follow a social media type approach, allowing students to fast-forward, rewind, and play them as often as needed.

Video Transcript: A text transcript is available for embedded instructional videos, which can be translated using the Translation Tool.

Embedded Instructional Strategies: Embedded throughout the lesson content are guided and independent practices, quizzes, and assessments.

Virtual Labs: Virtual Labs in math and science recreate and expand the traditional student laboratory experience. Virtual Labs are fully interactive and built to encourage active learning, engagement, and the application of conceptual understanding.

Assessment Types: Courses include diagnostic, prescriptive, formative, and summative assessments. Assessments are aligned to Webb’s DOK levels, with an emphasis on levels 2, 3, and 4. Questions are aligned to specific sections of the lessons, promoting close reading of text and text evidence.

Project-based Assessments: Several of our courses, such as our CTE courses, also include project-based assessments culminating in a capstone project.

Course Delivery System

Learning Management System (LMS): All courses are ‘housed’ on a single platform. Courses are fully HTML5 compliant and Java free, meaning no extra plugins such as Flash are needed, and therefore, is accessible on all devices!

Next Generation Type Questions: We offer a dozen question types, as well as different technology-enhanced item types like drag and drop, multiple select, and constructed response to prepare students for next generation assessments.

Course Types

Courses: Odysseyware offers an extensive library for grades 3-12 of more than 300 standards-aligned courses and instructional materials in core subjects, AP[®] and electives, CTE courses, and test prep, as well as **NCAA-approved courses**.

Advanced Placement (AP[®]) & Electives: AP[®] courses are College Board approved, and courses include areas such as fine arts, world languages, Keyboarding, Principles of Coding, Calculus, business, engineering, economics, health, physical education and more!

Career Technical Education (CTE): Odysseyware offers 80+ CTE courses aligned to each of the 16 national career clusters. Career clusters include a progression of related courses, supporting students in their preparation for career-pathway-specific certifications.

Career Exploration: We offer several courses designed to provide students exposure to career options and planning in middle school and early high school.

Test Prep: Odysseyware provides college entrance assessment prep for the ACT[®], and high school equivalency prep for the GED[®], HiSET[®], and TASC[™].

Blended Learning: In addition to the 300+ courses, Odysseyware also offers a Blended Learning Library designed specifically for use within math and English language arts courses, with nearly 800 lessons for grades 6–12!

Credit Recovery (Mastery-Based Instruction Mode): Our diagnostic, prescriptive mode tailors learning for students by allowing them to take a pre-test at the beginning of each unit – and based on student performance, individualized learning paths are automatically created!

Intervention: SPARK: A K-8 assessment and remediation tool for English Language Arts and Reading (ELAR) and mathematics, that provides efficient and targeted skills practice and remediation.

Social Emotional Learning (SEL): BASE Education for grades 6-12 is a powerfully-engaging, SEL solution, backed by research, for both prevention and intervention. With over 60 courses available now and a separate portal for parents/guardians, the systemic BASE Education approach helps students learn to build strategies to handle issues such as anger, bullying, self-esteem, communication, substance abuse, helplessness and motivation. **New courses, including for grades 3-5, to release fall 2018.**

Course Options

Customization: Teachers can customize or personalize learning paths, author new courses, and monitor student progress with easy-to-use data functions via the Odysseyware platform. Schools also have the ability to embed district-approved content as well.

Personalized Learning Paths: Odysseyware is a proud partner of the Northwest Evaluation Association™(NWEA™). Educators who administer Measures of Academic Progress® (MAP®) can now import test results into Odysseyware to generate individualized learning paths.

Odysseyware PA Teacher-Certified and Virtual Services: Odysseyware offers PA certified teachers for schools needing virtual learning programs for NCAA athletes, homebound students, students who need to access their instruction mostly or completely outside of the brick and mortar school, and/or students looking to accelerate their learning. Parents also have the option to enroll their children directly in **Odysseyware Academy** for skill practice, test prep, and/or homeschool curriculum.

Course Versions

Comprehensive	For students at grade level or slightly below and who work well independently and can manage large tasks to completion.
Foundations (core ELA and Math courses)	For students who need a sequence that more explicitly teaches foundational skills and need more practice in building foundational reading, writing and grammar skills or math skills.
Pacing Plus	For students that may struggle with time management or the completion of large tasks, the number of projects has been reduced in order to help students achieve course pacing goals
Credit Recovery Mode	For students who are retaking a course or need to accelerate their learning; students take a pretest before each unit to demonstrate mastery of content and then work ONLY on lessons with concepts they have not yet mastered. Also referred to as Mastery-Based Instruction mode.

Odysseyware

Language Arts

Language Arts 600 Comprehensive

In Language Arts 600, students will delve into texts that span the genres of narrative fiction, poetry, literary nonfiction, and informational texts to build reading, writing and thinking skills. Students will also develop their writing skills as they focus on the six traits while producing narrative, argumentative, and explanatory compositions, as well as creative pieces including poetry. The course concludes with students completing a full research report. With a strong emphasis on close reading instruction, writing and thinking activities, as well as speaking and listening tasks, this course will help students expand their understanding of literature while building 21st century skills. Multimedia and interactive elements are built into every lesson to ensure a high-level of student engagement.

Prerequisite: Language Arts 500 Recommended

Length: Two Semesters

Required Materials: In addition to the default course content, some projects may require paper and pencil or drawing supplies to complete the assignment. Writing assignments may require a graphic organizer to be printed out and used in the writing process. Projects (such as book reports or informational essays) may require students to acquire outside resources for research or reading.

Course Types: Comprehensive, Comprehensive Credit Recovery, Pacing Plus, Pacing Plus Credit Recovery

Language Arts 600 Foundations

Language Arts 600 Foundations continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding.

Prerequisite: Language Arts 500 Recommended

Length: Two Semesters

Required Materials: Choose ONE of the books in the list below for a book report on a short story:

- 1) Farmer Giles of Ham, by J. R. R. Tolkien, Ballantine Books, 1949.
 - 2) Legend of Sleepy Hollow, by Washington Irving, from The Sketch Book (1819-20). Multiple editions available, including e-texts.
 - 3) The Reluctant Dragon, by Kenneth Graham, from Dream Stories (1898). Multiple editions available, including e-texts.
 - 4) The Reluctant Dragon, by Kenneth Graham, retold by Graeme, Kent, published in A Collection of Animal Stories, Bimax, 1984.
 - 5) Rikki, Tikki, Tavi, by Rudyard Kipling, from The Jungle Book (1894). Multiple editions available, including e-texts
- An encyclopedia, news articles, advertisement about a product or an editorial about an issue, Interview a person who is over sixty years old, a book by Dr. Seuss, a lullaby (may need music books or children's books), audio/video of a political speech, news commentary, public service announcement, or a commercial, and an English dictionary, preferably a student edition.

Course Types: Foundations, Foundations Credit Recovery, Foundations Pacing Plus, Foundations Pacing Plus Credit Recovery

Spelling 600

Each grade level course includes thirty weeks of short, engaging activities that work outside of a traditional Language Arts course, but can also be easily integrated due to their ten-fifteen minute lesson expectations. Course "units" are set up by word families or spelling rules for each week, and include five days of activities. Each day of activity has a deeper complexity of familiarity and application of the spelling list, culminating in an assessment on day five. Alternate assignments are available for teachers to add extra practice and variety to the course.

Prerequisite: Spelling 500 Recommended

Length: Two Semesters

Required Materials: Audio capability, headset

Course Types: Comprehensive

Language Arts 700 Comprehensive

Language Arts 700 Comprehensive is a thematic study of literature that explores accounts of earth, space, and survival. Throughout this course, students will delve into texts that span the genres of narrative fiction, poetry, literary nonfiction, and informational texts. Students will demonstrate their understanding of various works by analyzing how common themes like exploration, innovation, and courage are able to transcend diverse time periods and genres. They will also develop their writing skills as they focus on the six traits while producing argumentative, narrative, and expository compositions. With a strong emphasis on close reading instruction, research activities, and speaking and listening tasks, this course will help students expand their understanding of literature while building 21st century skills.

To become critical consumers of text, students will be exposed to increasingly more complex texts to which they apply those skills. In English language arts, that critical content is both rigorous and relevant and includes high-quality contemporary works as well as the classics of literature. In English language arts, that content includes high-quality contemporary works, the classics of American literature, and the timeless dramas of Shakespeare.

Prerequisite: Language Arts 600 Comprehensive Recommended

Length: Two Semesters

Required Materials: Word processor, internet research resources, *The Diary of Anne Frank* (the play), Frances Goodrich and Albert Hackett; ISBN 978-0822203070, Dramatists Play Service, Inc. *The True Confessions of Charlotte Doyle*, Avi; ISBN 978-0-545-47711-6, Scholastic.

Course Types: Comprehensive, Comprehensive Credit Recovery, Pacing Plus, Pacing Plus Credit Recovery

Language Arts 700 Foundations

Language Arts 700 Foundations continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- Reading develops students' reading skills, including the identification of main ideas, supporting details, and sequence; teaches students how to reach logical conclusions; shows students how to identify parts of speech in sentences, with emphasis on adjectives, pronouns, verb types; and word choice; helps students develop basic literary comprehension skills through the reading of biographical and autobiographical pieces, poetry, character analyses, and the newspaper.
- Writing develops students' understanding of sentence structure, providing hands-on experience with coordinating, conjunctions, subject-verb agreement, familiarizes students with roots, affixes, and basic word relationships, including homonyms, synonyms, and antonyms; develops students' vocabulary and spelling skills; gives students the opportunity to develop their abilities in writing paragraphs, character analyses, character sketches, short biographies, summaries, and poetry.
- Speaking teaches skills that enable students to become effective speakers and communicators, weaving the skills together throughout the course.
- Listening teaches effective listening comprehension skills, weaving these together throughout the lessons; builds upon students' study skills.

Prerequisite: Language Arts 600 Comprehensive or Language Arts 600 Foundations Recommended

Length: Two Semesters

Required Materials: In addition to the default course content, some projects may require paper and pencil or drawing supplies to complete the assignment. Writing assignments may require a graphic organizer to be printed out and used in the writing process. Projects (such as book reports or informational essays) may require students to acquire outside resources for research or reading.

Course Types: Foundations, Foundations Credit Recovery, Foundations Pacing Plus, Foundations Pacing Plus Credit Recovery

Language Arts 800 Comprehensive

Language Arts 800 Comprehensive is a survey of literature that explores the work of various writers of different time periods through a historical lens. Students should enter this course with a foundation in analyzing, through a close study, various genres of literature and making connections with historical perspectives and the arts. In this course, students will build on these skills by studying a range of classic and contemporary literature to convey themes of American History, Natural History, World Civilization, and Air and Space. Students will also develop their writing skills while producing informative, argumentative, and narrative compositions. Supported by a balance of fictional and informational texts, students will learn and practice close reading, modeled reading, writing, speaking, and listening strategies.

To become critical consumers of text, students will be exposed to increasingly more complex texts to which they apply those skills. In English language arts, that critical content is both rigorous and relevant and includes high-quality contemporary works as well as the classics of literature. The content includes high-quality contemporary works, the classics of American literature, and the timeless dramas of Shakespeare.

Prerequisite: Language Arts 700 Comprehensive Recommended

Length: Two Semesters

Required Materials: Word processor, internet research resources, Vincent Van Gogh: Portrait of an Artist (biography), Jan Greenberg and Sandra Jordan; ISBN 978-0440419174 Yearling Books.

Course Types: Comprehensive, Comprehensive Credit Recovery, Pacing Plus, Pacing Plus Credit Recovery

Language Arts 800 Foundations

Language Arts 800 Foundations continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- Reading reinforces reading comprehension skills by teaching students context clues and sequencing; how to analyze propaganda and other forms of writing, including biographies, autobiographies, formal essays and short stories; shows students how to make denotative, symbolic, and connotative readings of a text; introduces both Old English and Middle English languages and literature to develop students' understanding of English language formation and development; prepares students for the higher level literary comprehension skills required in the upper grades.
- Writing develops students' understanding of sentence structure, providing hands-on experience with conjunctions, transitions, clauses, and common sentence errors; teaches language histories and etymologies to help students build on knowledge of word structures, including topics like prefixes, roots, and suffixes; expands on students' vocabulary and spelling skills; gives students the opportunity to develop their abilities in writing business letters, friendly letters, informal essays, and basic literature analyses.
- Speaking offers students experience in delivering oral reports; teaches skills that enable students to become effective speakers and communicators, weaving these skills together throughout the course.
- Listening teaches effective listening comprehension skills, weaving these together throughout the lessons; builds upon students' study skills, as well as helping them become reliable and efficient note-takers.

Prerequisite: Language Arts 700 Foundations or Language Arts 700 Comprehensive recommended.

Length: Two Semesters

Required Materials: In addition to the default course content, some projects may require paper and pencil or drawing supplies to complete the assignment. Writing assignments may require a graphic organizer to be printed out and used in the writing process. Projects (such as book reports or informational essays) may require students to acquire outside resources for research or reading.

Course Types: Foundations, Foundations Credit Recovery, Foundations Pacing Plus, Foundations Pacing Plus Credit Recovery

Mathematics

Mathematics 600 Comprehensive

Math 600 Comprehensive is a full-year elementary math course focusing on number skills and numerical literacy, with an introduction to rational numbers and the skills needed for algebra. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates ratio relationships and proportional reasoning throughout the units, as well as introduces students to geometric and statistical concepts.

Prerequisite: Mathematics 500 Recommended

Length: Two Semesters

Required Materials: In addition to the default course content, some projects may require paper and pencil or drawing supplies to complete the assignment along with a calculator and protractor.

Course Types: Comprehensive, Comprehensive Credit Recovery

Mathematics 600 Foundations

Math 600 Foundations is a full-year elementary math course focusing on number skills and numerical literacy, with an introduction to the number skills needed for algebra. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to statistical and probability concepts.

Prerequisite: Mathematics 500 Recommended

Length: Two Semesters

Required Materials: Scratch paper/notebook, pencil, calculator.

Course Types: Foundations, Foundations Credit Recovery

Mathematics 700 Comprehensive

Mathematics 700 Comprehensive is designed to prepare junior-high students for Pre-algebra. This course focuses on strengthening needed skills in problem solving, number sense, and proportional reasoning. It also introduces students to integers, equations, and geometric concepts. Students will begin to see the "big picture" of mathematics and learn how numerical, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Prerequisite: Mathematics 600 Comprehensive

Length: Two Semesters

Required Materials: Scratch Paper, Pencil, Paper, Protractor, Compass, and Ruler

Course Types: Comprehensive, Comprehensive Credit Recovery

Mathematics 700 Foundations

Mathematics 700 Foundations is designed to prepare junior-high students for Pre-algebra. This course focuses on strengthening needed skills in problem solving, number sense, and proportional reasoning. It also introduces students to integers, equations, and geometric concepts. Students will begin to see the "big picture" of mathematics and learn how numerical, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Prerequisite: Mathematics 600 Foundations or Mathematics 600 Comprehensive

Length: Two Semesters

Required Materials: Scratch Paper, Pencil, Paper, Protractor, Compass, and Ruler

Course Types: Foundations, Foundations Credit Recovery

Mathematics 800 Comprehensive

Mathematics 800 Comprehensive (Pre-algebra) is an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numerical, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Prerequisite: Mathematics 700 Comprehensive recommended.

Length: Two Semesters

Required Materials: Scratch Paper

Course Types: Comprehensive, Comprehensive Credit Recovery

Mathematics 800 Foundations

Mathematics 800 Foundations (Pre-algebra) is an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numerical, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Prerequisite: Mathematics 700 Foundations or Mathematics 700 Comprehensive recommended.

Length: Two Semesters

Required Materials: Scratch Paper

Course Types: Foundations, Foundations Credit Recovery

Science

Science 600

Science 600 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on the Science 300-500 elementary courses, providing a broad survey of the major areas of science. Some of the areas covered in Science 600 include the study of plant and animal systems, plant and animal behavior, genetics, the structure of matter, light and sound, kinematics, planet earth, the solar system, and astronomy. The curriculum seeks to develop the students' ability to understand and participate in scientific inquiry. The units contain experiments and projects to capitalize on children's natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should begin to understand interrelationships between organisms, recognize patterns in ecosystems, and become aware of the cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

Prerequisite: Science 500 Recommended

Length: Two Semesters

Required Materials: Household items to be used for experiments, Word processing software, internet research resources, spreadsheet software.

Course Types: Comprehensive, Comprehensive Credit Recovery, Pacing Plus, Pacing Plus Credit Recovery

Science 700

Science 700 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on the Science 600 course, providing a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in Science 700 include the scientific method, overview of the four major areas of science, mathematics in science, astronomy, the atmosphere, natural cycles, weather and climate, human anatomy and physiology, and careers in science.

The curriculum seeks to develop the students' ability to be aware of and participate in scientific inquiry. The units contain experiments and projects to capitalize on the students' natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should show understanding of interrelationships between organisms, recognize patterns in systems, and expand their knowledge of cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

Prerequisite: Science 600 Recommended

Length: Two Semesters

Required Materials: Household items to be used for experiments, Word processing software, internet research resources, spreadsheet software.

Course Types: Comprehensive, Comprehensive Credit Recovery, Pacing Plus, Pacing Plus Credit Recovery

Science 800

Science 800 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on Science 600 and Science 700, providing a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in Science 800 include the structure and properties of matter, measurement and mathematics of science, geology, oceanography, natural cycles and resources, science today and tomorrow, and astronomy. The curriculum seeks to develop the students' ability to be aware of and participate in scientific inquiry. The units contain experiments and projects to capitalize on the students' natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should show understanding of interrelationships between organisms and the environment, recognize patterns in systems, and expand their knowledge of cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

Prerequisite: Science 600 Recommended

Length: Two Semesters

Required Materials: Household items to be used for experiments, Word processing software, internet research resources, spreadsheet software.

Course Types: Comprehensive, Comprehensive Credit Recovery, Pacing Plus, Pacing Plus Credit Recovery

Social Studies

History and Geography 600

History and Geography 600 focuses on World History, with an emphasis on Western Europe. Specifically, it covers World History from ancient civilizations through the end of the 20th century, highlighting the Middle Ages and the two World Wars. These areas of focus target three major content strands: History, Geography, and Social Studies Skills.

Prerequisite: History and Geography 500 Recommended

Length: Two Semesters

Required Materials: Internet, encyclopedia or other research materials, Paper, pencils, or other writing materials, Printer, Old magazines that can be clipped (if activity is chosen), Solid color ball, Balloon, paper mache, Take a trip to the library

Course Types: Comprehensive, Comprehensive Credit Recovery, Pacing Plus, Pacing Plus Credit Recovery

History and Geography 700 (World Civilizations)

World Civilizations examines the growth of human society from our earliest beginnings to the present. Students will study such topics as agricultural societies, ancient civilizations, empires, trade, and migration. Students will also gain practice in researching, using technology, and writing through various projects. In addition to the default course program, World Civilization includes alternate lessons, projects, essays, and tests for use in enhancing instruction or addressing individual needs.

Unit 1: Students will discover how history is studied and the methods that are used to gather information. They will identify the early humans, their characteristics, and their lifestyles.

Unit 2: Students will examine rise of early civilizations and their characteristics and identify the Indo-European invaders and their effects while evaluating the advances in weapons and tools.

Unit 3: Students will describe the classical tradition, the development of major religions, and the giant empires with a focus on Greek and Roman societies.

Unit 3: Students will describe the fall of the empires and the emergence of the Middle Ages in Europe. They will examine the dominant religions of Europe, Asia, and the Middle East, while also discovering the civilizations of Asia, Oceania, Africa, and the Americas.

Unit 5: Students will examine the civilizations and dynasties of Asia, Europe, Africa, the Americas from approximately 1000 A.D. to 1500 A.D.

Unit 6: Students will identify the significant discoveries of the Age of Exploration, the colonization of the New World, the impacts of Europeans going eastward, the Renaissance, and the Scientific Revolution.

Unit 7: Students will evaluate the many revolutions and conflicts that took place from 1750-1914 in Europe, Asia, Africa, and Latin America.

Unit 8: Students will examine various military conflicts including World War I, the Russian Revolution, the Great Depression, the road to World War II, the independence movements in Asia and Africa, and the Chinese Revolution.

Unit 9: Students will identify important events of the Cold War, describe the relationship between the United States and Soviet Union, identify apartheid in South Africa, examine the Israeli-Palestine conflict, identify the growth of terrorism, and evaluate globalization.

Unit 10: Students will examine long term changes and recurring patterns in history, and compare and contrast different economic systems.

Prerequisite: History & Geography 600 recommended.

Length: Two Semesters

Required Materials: Internet or other research material, word-processing software, Paper, pencils/other writing materials, A community, state or national newspaper, Blank map of the world, digital art software or scanner, digital presentation software, Dictionary, newspaper, featuring a section on world news

Course Types: Comprehensive, Comprehensive Credit Recovery, Pacing Plus, Pacing Plus Credit Recovery

History and Geography 800

History and Geography 800 focuses on American History, covering the subject from early exploration through the present day, with special emphasis given to the Civil War and to inventions and technology of the 19th and early 20th centuries. These areas of focus target three major content strands: History, Geography, and Government and Citizenship.

Prerequisite: History & Geography 700 Recommended

Length: Two Semesters

Required Materials: Internet, encyclopedia or other research materials, Paper, pencils, or other writing materials, Printer, word processing software, chart/graph-creation software, Digital presentation software

Course Types: Comprehensive, Comprehensive Credit Recovery, Pacing Plus, Pacing Plus Credit Recovery

Health and Physical Education

Health Quest

Health Quest is a health science elective course for upper elementary and junior high students. The curriculum introduces students to the concepts of what good health is, why good health is important, and what students should do in order to achieve good health.

Goals for this course include:

- Demonstrate an awareness of health as it applies to their own bodies, minds, and emotions.
- Demonstrate an awareness of health as it applies to their living environments.
- Identify the components of a healthy lifestyle and set reasonable goals to achieve a lifestyle of wellness.
- Understand that incorporating sound health practices creates a lifestyle of moderation and wellness.
- Describe health as it applies to broader society, the world, and their own responsibility to stimulate good health around them.

Prerequisite: None

Length: One Semester

Required Materials: Two clean, dry chicken leg bones, Household vinegar and a cola soft drink, Two bowls large enough to lay the bone flat in the bottom of the container, Access to a car to measure a mile, Timer or clock, Labels of these different types of food: breakfast cereal, ice cream, candy bar, canned or frozen fruit, soda, Labels of canned food, Cookbooks, Encyclopedia, Reference health book, At home activity: Air filter, Recyclable items at home, Telephone book, aspirin/acetaminophen, Cold medication, Stomach medication, Vitamin and mineral supplements, Prescriptions

Course Types: Comprehensive

Career & Technical (CTE)

Career Explorations I

The Career Explorations I course is designed to give seventh- and eighth-grade students an opportunity to explore various CTE subjects. Specifically, students will be able to learn about careers involving human-related services.

Each unit introduces one particular field and explains its past, present, and future. The goal is to whet students' appetites for these careers. Students can then explore that career in more detail as a high school student.

Prerequisite: None

Length: One Semester

Required Materials: Word processing software, Calculator, Presentation software, Research resources, Paper, Pencil/pen

Course Types: Comprehensive

Career Explorations II

The Career Explorations II course is designed to give seventh- and eighth-grade students an opportunity to explore various CTE subjects. Specifically, students will be able to learn about careers involving various technical fields from computers to agriculture.

Each unit introduces one particular field and explains its past, present, and future. The goal is to whet students' appetites for these careers. Students can then explore that career in more detail as a high school student.

Prerequisite: No prerequisite. (Career Explorations II is separate from Career Explorations I and can be taken independently of Career Explorations I.)

Length: One Semester

Required Materials: Word processing software, Presentation software, Spreadsheet software, Research resources

Course Types: Comprehensive

Keyboarding and Applications

Keyboarding and Applications is a semester-long elective that teaches students keyboarding skills, technical skills, effective communication skills, and productive work habits. In this course, students will learn about proper keyboarding technique. Once students have been introduced to keyboarding skill, lessons will include daily practice of those skills. Students will gain an understanding of computer hardware, operating systems, file management, and the Internet. In addition, they will apply their keyboarding skills and create a variety of business documents, including word processing documents and electronic presentations.

Prerequisite: None

Length: One Semester

Required Materials: Word processing software, Presentation software

Course Types: Comprehensive, Comprehensive Credit Recovery

Principles of Coding

Principles of Coding is designed to introduce students to the power of coding. Computer literacy has become just as important as reading and math literacy in the 21st Century. No matter what career students select, learning even the basics of coding and computers will benefit them. Additionally, every year there is a standing demand for 120,000 people who are trained in computer science. Jobs in this industry are growing at more than two times the national average of any other field. Throughout this course, students are not only introduced to the basics of coding, but delve deeply into the thought processes behind designing technology. Right from the start, students learn the Engineering Design Process and follow this process to create games, simulations, and even a mobile application. Students learn the connection between the core subjects of English Language Arts and Math to Computer Science. Students also examine the impact of technology from a global perspective. The content was written to be highly-engaging for the middle-school audience. Multimedia and interactive elements are built into every lesson to ensure a high-level of student engagement throughout.

Prerequisite: None

Length: One Semester

Required Materials: Scratch <https://scratch.mit.edu/> -a visual programming language. Students will need to create a free account.

Scratch Studios: <https://scratch.mit.edu/explore/studios/featured/> -an online community of Scratchers that learn and help each other using Scratch, app Inventor: <http://appinventor.mit.edu/explore/> : app-development platform designed by the same group that developed Scratch and draws upon the same research in educational computing and visual programming. Students will need a Google Account to access App Inventor. Mobile Applications introduced: Angry Birds, Cut the Rope, Where's the Water?, Color Infection, World of Goo, Crazy Machines, myHomework Student Planner, MindNode, Blinkist, Evernote, Dropbox, Vivofit, Square, Paypal, Concur, Kayak, Garmin, Tap Card, EZ Pass.

Course Types: Comprehensive, Comprehensive Credit Recovery

eDynamic Learning is North America's largest provider of middle and high school career and elective courses. Our catalog has over 100 specialized, high interest courses in 16 different pathways to ensure that students leave high school with the knowledge and preparation needed to make life-shaping college and career decisions.

Engage Students

Offer courses that engage your students in meaningful ways and improve their educational experience within your school program. Our courses allow students to customize their learning experience, engage socially and intellectually, and achieve academic excellence.



Personal Curriculum Narratives

Online course content does not have to read like a dry textbook. Our curriculum writers focus on keeping the student interested in the subject matter.



Reflective Discussion Assignments

High-interest discussion questions encourage students to share learning experiences with each other.



Captivating Course Lab Activities

Insightful videos and interactive online activities reinforce key course concepts.



Contemporary Graphics

Next generation graphics and thought-provoking instructional design that is expected by today's online student.



Effective Animations

Animated unit summaries, learning objectives and reflection points (with professional voice narrations) add to the media-rich learning experience.



Balanced Reading Level

A reading level that is both balanced and interesting for high schools students. To help students identify main ideas, key words and concepts are in bold.



Review Games

Entertaining and informative review games help prepare students for course assessments.



iTunes Audio Integration

All professional curriculum audio narration can be imported into a student's iTunes audio library.



eDynamic Podcasts

Each course contains professional audio narration of all unit content. This feature addresses the student's auditory needs, allowing them to either listen to the entire course, or download it using their choice of music player.

eDynamic Learning

Career Exploration

Middle School Career Exploration 1

How many times have you heard, “What do you want to be when you grow up?” When you close your eyes and picture yourself in the future, what do you see? Police officer? Doctor? Farmer? Pilot? Teacher? Really, the possibilities are endless. And with so many careers to pick from, it can be confusing knowing where to start your search. In Middle School Career Exploration 1, you will have the chance to explore more than 15 different career areas including energy fields, human resources, the law, transportation, and more. Discover which careers you might enjoy the most and which one’s you’ll be best at!

Prerequisite: None

Length: Two Semesters

Middle School Career Exploration 2

Imagine that it’s 20 years from now. What career do you see yourself in? What do you imagine that you’ll be doing? Will you be fighting forest fires or engineering the next rocket into space? With all the careers available, it can be difficult to narrow them down. In Middle School Career Exploration 2 we’ll explore more careers and see what it takes to succeed. You’ll learn more about what steps are needed to prepare for your career and how to compare the pros and cons of different career choices. Finally, you’ll get the chance to try out parts of different careers to see if you’re a perfect fit!

Prerequisite: Middle School Career Exploration 1

Length: One Semester

Electives

Middle School 2D Studio Art

Close your eyes and imagine you're standing in an art studio—the smell of paint, the heat of the kiln, and the infinite creative possibilities that linger in the air. This is where art is born, and in 2D Studio Art, you'll learn how to bring your art visions to life. Whatever medium you prefer—painting, drawing, photography—this course will teach you the design elements and principles needed to create a work of art, explore your artistic inspirations, travel back in time to look at art in different cultures, and gain insight about the art of critiquing. If you've ever dreamed about making a living as an artist, this course will give you the tools and background that you need to turn those dreams into a reality!

Prerequisite: None

Length: One Semester

Required Materials:

- Various sizes of white drawing paper
- Various sizes of colored paper
- Paintbrushes in varying sizes
- Empty cans or jars to wash paint brushes
- Ruler and/or protractor
- Erasers
- Scissors
- Miscellaneous household objects to use for still life art
- Digital camera, camera phone, or other type of camera
- Paint: (two or more of the following)
 - Tempera Paint • Acrylic Paint
 - Watercolor • Ink Wash
 - Oil Paint
- Drawing Tools: (two or more of the following)
 - Pastels • Charcoal
 - Markers • Colored Pencils

Middle School Coding 1a

Do you find yourself wondering how your favorite apps, websites, and games were made? Maybe you want to try building your own. Well, now you can! In Middle School Coding 1a, you will learn all about the technology you use in your day-to-day life as well as explore how the internet functions. Get an introduction to the basics of computer science and discover how to create and build your very own website using HTML and CSS. You'll also become familiar with programming languages like JavaScript and Python Programming. You will leave the course with your very own portfolio of work that will showcase your skills and all that you've created.

Prerequisite: None

Length: One Semester

Required Materials:

• Laptop • Internet

Websites Used

Unit 1

• Logo Interpreter (Login Optional; Free) – <http://www.logointerpreter.com/turtle-editor.php>.

Unit 2

• Typing Practice for Programmers (Sign in with Google or Demo; Free) – <https://typing.io>

• Obvibase (Sign in with Google, Facebook, or email; Free) – <https://www.obvibase.com/>.

• Newsela (Required for a lab question; Free) – <https://newsela.com>

Unit 3

• Tynker (Free) – <https://www.tynker.com>

Unit 4

Middle School Digital Art and Design

There are so many different types of art in this world—fine art, classical art, visual art—but the impact of digital art and design is all around us, often in ways that you probably aren't even aware of! After taking Digital Art and Design, you'll enjoy a deeper understanding and appreciation for all things digital as you explore this special genre of art found in everything from advertising to animation to photography and beyond. In this course, you'll learn about the evolution of art, the basic principles of art and design, and the role of art in politics and society. Additionally, you will actually create your own digital art and make it come alive. Give your creative side a boost with this Digital Art and Design course!

Prerequisite: None

Length: One Semester

Required Materials:

Unit 2

• Digital camera or cell phone with a camera feature (requires uploading digital photographs taken by student)

Unit 3

• Drawing paper and colored pencils or markers or drawing software (requires creating a logo)

Unit 5

• Drawing paper and colored pencils or markers or drawing software or animations software (requires creating a character that could be animated)

Unit 6

• A computer or phone with a recording feature/app (will need to record a “radio” commercial)

Middle School Exploring Music

What comes to mind when you hear the word ‘music’? Do you think about your favorite band or artist? Do you think about instruments and scales and chords? The word ‘music’ means something different to everyone. This is why in Exploring Music there is a little bit of something for everyone! You will learn about how we hear music and how music affects our lives. You will explore important elements of music like rhythm, pitch, and harmony, as well as different musical genres. You will discover more about your singing voice and musical instruments and composition while taking in the history and culture of music over the years. Tune up your understanding and appreciation for all things music by signing up for this course!

Prerequisite: None

Length: One Semester

Middle School Fitness

Are you physically fit? What does being fit mean to you? Physical fitness is a lot more than just a number on a scale, and that’s exactly what you’ll learn in this course! Middle School Fitness helps you understand the basics of being physically fit and allows for a deeper understanding of your body’s functions. You will learn about the complex science behind exercise and determine how you can test your current level of fitness. Explore what it means to be mindful and discover what inspires you. Improving your physical fitness is a smart choice to make at any age, and by signing up for this course, you will be taking the first step on your exciting journey to understanding and improving your physical fitness.

Prerequisite: None

Length: One Semester

Required Materials:

- Video recording device – either camera phone, iPad, computer camera – as long as video and sound can be recorded
- Paper and pencils if student chooses to hand draw certain labs rather than using slide-show presentation
- Free weights or a free-weight substitute like canned soup or milk jugs
- A ball for throwing
- A Frisbee
- Hockey stick, golf club, or baseball bat and matching ball
- Timer
- Distance tracker or distance tracking app
- Tennis racket, badminton racket, or ping-pong paddle
- Jump rope
- Volleyball or football
- A friend or family member to act as a partner

Middle School Game Design 1a: Introduction

We all love to play video games – but have you ever wanted to build your own? If you are interested in a career in technology but also want a creative outlet, Game Design might be the field for you. Learn how to build a game from the ground up in Middle School Game Design 1, an interactive and hands-on course that will teach you all the ins and outs of making your own game. You will learn the importance of game structure and discover what makes a game fun, challenging, and interesting to players just like you. You will also have the opportunity to explore the design and creative process involved in game creation, learn block-based programs, and experiment with character and story development. As a bonus, you will leave the course with a digital portfolio of everything you created in class.

Prerequisite: None

Length: One Semester

Required Materials:

Scratch 3.0 Preview

- We are accessing Scratch 3.0 Preview Version in this course. Here are the minimum requirements from the Scratch 3.0 FAQ page (<https://scratch.mit.edu/preview-faq>):
- Scratch 3.0 is built on industry-standard HTML5 technology and is no longer dependent on Flash. Because of this, it runs in any modern web browser.

Desktop

- Chrome (63+)
- Edge (15+)
- Firefox (57+)
- Safari (11+)
- Internet Explorer will NOT be supported.

Tablet

- Mobile Chrome (62+)
- Mobile Safari (11+)

Frequently Asked Questions

Will Scratch 3.0 work on tablets and phones?

- Scratch 3.0 will work on desktop, laptop, and tablet devices (iOS 11+ and Android 6+). On tablets, there won't be a way to use "key pressed" blocks or right-click context menus until next year.
- You will be able to view projects on mobile phones, but you won't be able to create or edit projects on phones.

Will Internet Explorer be supported?

- No. We encourage Scratch 2.0 users using Internet Explorer to upgrade their browsers in advance of the Scratch 3.0 official launch.
- What is WebGL and why do I need it to run Scratch 3.0?
- WebGL is a browser technology that is used by Scratch 3.0 to render projects to the stage. While WebGL is supported in all modern browsers, some older computers and operating systems can not support it. For users that can not run WebGL we recommend using the Scratch 2.0 Offline Editor.

Please Note: In this course, students will be designing their games in Scratch. The current version of Scratch 2.0 is Flash-based, but a new version is coming out later this year. Scratch offers a preview mode of their 3.0 version. We have tailored our instructions toward the Scratch 3.0 preview mode, found here: <https://preview.scratch.mit.edu/>. We will update our instructions once Scratch 3.0 is officially launched

Middle School Journalism 1a: Introduction

Are you someone who likes to get the story straight? Do you always want to know more? Who? What? When? Where? Why? How? Journalism provides us with the answers to these questions. The skill of a true journalist is knowing how to find these key facts and being able to write them up in a way that makes it easy for others to read. In Middle School Journalism 1a: Introduction, you'll learn the elements of a good news story, how to gather credible information, and how to organize that information into a newsworthy article that others will want to read.

Prerequisite: None

Length: One Semester

Middle School Journalism 1b: Tell Your Story

Take your journalistic knowledge to the next level in Middle School Journalism 1b: Tell Your Story. In this course, you will learn how to format stories for different forms of news media, including print and on-air news, and how to edit articles or newscasts for publication. You will also explore law and ethics in the media as well as first amendment rights for journalists. This course will also examine the historical development of journalism, the role of journalism and the media in society, and how the internet has dramatically changed the industry as we've always known it.

Prerequisite: Middle School Journalism 1a: Introduction

Length: One Semester

Middle School Photography 1a: Introduction

What do you think makes a photograph great? Do you want to take fun, interesting photographs of people, places, and pets to post for your friends or hang on your wall? Photo images are everywhere today. Sometimes we see hundreds in one day. But it's obvious that not all photographs are the same. In Middle School Photography 1a: Introduction, you'll learn how to take those excellent, jaw-dropping photographs that you see in magazines and on your favorite social media sites. Learn the basics of using a camera, the elements of composition, and how to avoid common photography mistakes.

Prerequisite: None

Length: One Semester

Required Materials:

- Digital camera: "point and shoot" or above A Smartphone may be used for most required tasks, however, appropriate applications will need to be installed to allow the student to make the necessary adjustments to the camera mode, shutter speed, and aperture.
- Paper and Pen/Pencil for note taking
- Camera cord to transfer images to the computer
- Image Editing Software
- Lighting tools for side, front, and back lighting

Middle School Photography 1b: Drawing with Light

Photographs play an important role in our world today. We photograph to preserve memories, document events, and create artistic works. For those looking to build on the basics of photography, consider Middle School Photography 1b: Drawing with Light. In this course, you will learn what it takes to create a good photograph and how to improve your photography of animals, people, and even your vacations. You will also begin manipulating your photographs using photo-editing software. Through a variety of assigned projects, you'll engage your creativity by photographing a range of subjects and learning to see the world through the lens of your cameras. Once you get the hang of this process, you'll be taking photos that will amaze your friends and have them wondering how you do it!

Prerequisite: Middle School Coding 1a: Introduction

Length: One Semester

Required Materials:

- Digital camera: "point and shoot" or above A Smartphone may be used for most required tasks, however, appropriate applications will need to be installed to allow the student to make the necessary adjustments to the camera mode, shutter speed, and aperture.
- Paper and Pen/Pencil for note taking
- Camera cord to transfer images to the computer
- Image Editing Software
- Lighting tools for side, front, and back lighting