Harris Digital Learning eCourses and Services

2025-2026

Digital Learning Solutions and Services

Table of Contents

Harris Digital Learning as your learning services provider

With over a decade of experience in successful virtual, blended, and hybrid learning programs, Harris Digital Learning helps districts establish a school environment that promotes student learning and success, including a full and rich curriculum and ongoing training and support for high-performing administrators and teachers.

Core and Elective eCourses

We provide eCourse content, delivery, and certified instructors for more than 150 different core and elective courses, grades 6-12.

Career and Technical Education

Our career-focused eCourse curriculum offers pathways to prepare students for industry certifications, engage in career exploration, and learn about new technologies.

Keys to Driving

Keys to Driving is offered through Harris Digital Learning as a first-in-class online 30-hour driver training program to meet state-specific standards.

Dual Enrollment

Expand course offerings for students with virtual dual enrollment. Dual enrollment programs allow students to earn college credits while still in high school.

Social-Emotional Learning

Our Social-Emotional Learning and Soft Skill Development course helps students develop the skills and resiliency to feel better, accomplish more, and create the life they want.

Instructional & Student Support Services

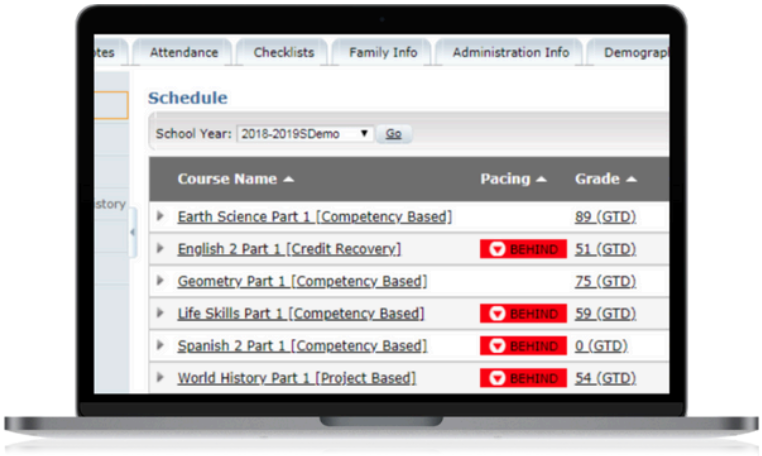
Our certified virtual teachers and advisors provide students with a fully supported learning environment.

Harris Digital Learning is accredited as a Learning Service Provider by the Middle States Association Commission on Elementary and Secondary Schools (MSA-CESS). Harris Digital Learning has approval for NCAA initial eligibility for many of its high school courses. Harris Digital Learning has Quality Matters certification for a number of courses, indicated by the QM logo.

eSchoolware™ gives educators the data they need to gain a holistic view of each student

What Is eSchoolware?

- Harris Digital Learning's proprietary learning management system
- Content delivery platform for Harris Digital Learning's eCourses®
- Teacher and student messaging portal
- Library of over 200 reports



Student Data All in One Place

Student enrollment, attendance, and performance data are all tracked through eSchoolware, giving educators the insight they need to plan instruction from one convenient location. eSchoolware provides school staff with daily reporting or it can easily integrate with most student information systems through our API Libraries.

Streamlined Communication and Planning

The teacher portal in eSchoolware allows instructors to quickly access any student items needing their attention, such as messages, items that need to be graded, academic interventions, new forum posts, and grade approval requests. Green, yellow, and red indicators help teachers prioritize tasks by indicating the urgency of each item. Within any eCourse gradebook, a teacher can view granular data concerning a student's performance to gain a full picture of a student's attempts and progress.

Program Management Made Easy

eSchoolware offers over 200 standard reports enabling school staff to pull anything from assessment details, to interventions reports, to time in course reports, to course selection details. When schools are trying out new learning models or managing virtual learners, having the right data on hand is crucial to guide the process.

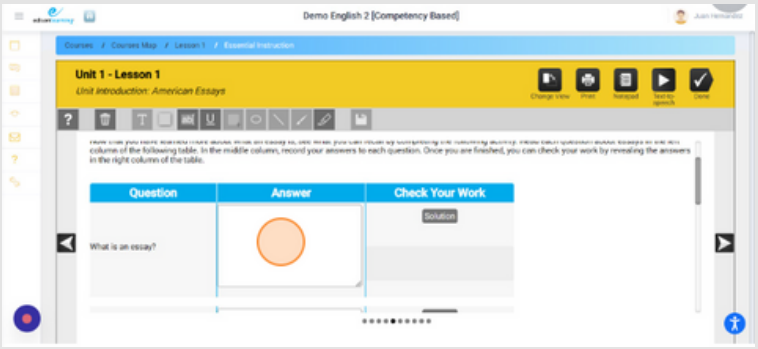
With eSchoolware, you have everything you need.

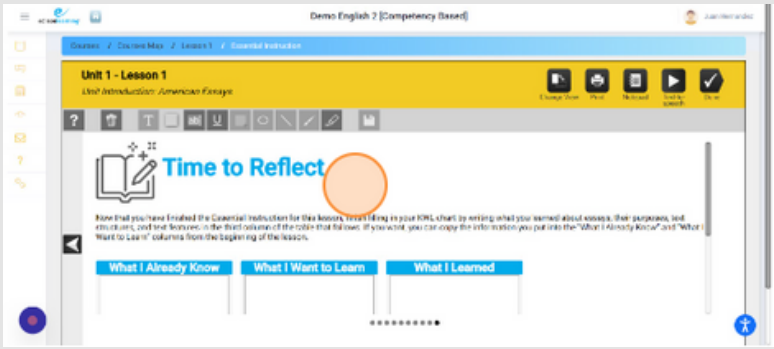
Core and Elective eCourses

We provide eCourse content, delivery, and certified instructors for more than 150 different core and elective courses, grades 6-12.

Course Features

Harris Digital Learning's eCourses® include a host of interactive multimedia features that support the diverse needs of students as well as reinforce key concepts in the curriculum. Features such as interactive demonstrations, interactive games, videos, and labs make courses engaging and support learning. Not only can students work at their own pace and focus on the learning components of each lesson that resonate with their own particular learning style, but online courses also require that students demonstrate mastery of the current lesson's assessment in order to advance to the next lesson.





Instructional Design

Developed by highly qualified instructional designers and certified teachers based on best practices in online learning, Harris Digital Learning eCourses are built upon proven methodologies to deliver engaging and effective instruction.

The courses are self-guided, enabling students to complete coursework at their own pace, while being fully supported by Harris Digital Learning teaching staff, or your own teachers. The course structure is based on a modular design with lessons limited to one or two standards to help students maintain focus and motivation. Students accomplish achievable goals in each lesson, a technique which fosters success in online learning.

Harris Digital Learning has Quality Matters certification for a number of courses, notated by the QM logo.

Harris Digital Learning eCourses®

CORE AND ELECTIVE COURSES FOR GRADES 6-12

Middle School Curriculum

Middle School English

Language Arts 6th Grade QM
Language Arts 7th Grade
Language Arts 8th Grade QM

Middle School Social Studies

Social Studies 6th Grade
Social Studies 7th Grade
Social Studies 8th Grade
World History
United States History
Civics

Middle School Science

Science 6th Grade
Science 7th Grade
Science 8th Grade
Earth Science
Life Science
Physical Science

Middle School Mathematics

Mathematics 6th Grade
Mathematics 7th Grade QM
Mathematics 8th Grade QM

Middle School Electives

Art History and Appreciation
Health and Fitness
Internet Safety
Music Theory and Appreciation
Physical Education
Problem Solving
Study Skills

High School Curriculum

High School English

English 1 QM
English 2
English 3
English 4
Informational and Persuasive Writing
Critical Concepts

High School Social Studies

American History
Early American History
Early World History
Economics
Economics with Personal Finance
Macroeconomics
Microeconomics
Personal Finance
Psychology
Sociology
US Government
World Geography
World History

High School Science

Anatomy and Physiology
Application of Genetics
Astronomy
Biology QM
Biotechnology
Chemical Engineering
Chemistry
Earth Science QM
Electrical Engineering
Environmental Science
Epidemiology
Forensics
Foundations of Engineering
Genetics
Introduction to Technological Sciences
Life Science
Mechanical Engineering
Natural Disasters
Physical Science QM
Physics
Sports Medicine
Sports Science
Sports Science and Medicine
Stem Cells
Superstars of Science

High School Mathematics

Algebra 1
Algebra 1 Critical Concepts
Algebra 2
Calculus
General Math
Geometry
Integrated Math 1
Integrated Math 2
Integrated Math 3
Integrated Math 4
Pre-Algebra
Pre-Calculus
Probability
Statistics
Trigonometry

High School World Languages

French 1
French 2
French 3
French 4
German 1
German 2
Spanish 1 QM
Spanish 2
Spanish 3
Spanish 4

High School Electives

Advanced Music Theory
Art History & Appreciation
Career Explorations
Computer Engineering
Computer Skills for Academic Success
Fitness
Health
Health and Wellness
Internet Safety
Life Skills
Music Theory and Appreciation
Physical Education QM
Physical Education 1
Physical Education 2
Science of Computing
Your Career and Money

Course Types

The Harris Digital Learning eCourses® catalog offers 6-12th grade online courses in core and elective subject areas that can be used for full virtual, credit recovery, alternative education, supplemental, or enrichment programs. Harris Digital Learning eCourses® are available in multiple course types to meet the needs of each learner and program.

Competency Based	A self-paced solution for students to demonstrate mastery of the concepts of a lesson before they are able to progress to the next lesson. These courses provide a self-remediating performance monitoring system.
Credit Recovery	Developed as truncated versions of their corresponding Competency-Based eCourses, these courses still require students to demonstrate mastery of the concepts addressed in a lesson before progressing to the next set of objectives. Comprehensive quizzes and unit exams ensure that students are rigorously assessed on all concepts in the course.
Foundation	Foundation eCourses contain fewer lessons than Competency-Based eCourses and are designed to prepare students to control their own learning while ensuring that students master the foundational skills and knowledge that are critical building blocks for upper-level courses.
Honors	Students are pushed to apply their understanding of the concepts in each lesson to rigorous performance-based assessments, projects, and conceptual activities. These courses are the perfect fit for students wishing to extend their understanding of a particular subject.
Critical Concepts	This course type is designed to address key skills and is perfect for boot camps or intensive remediation. The content meets students where they are, offering skills reinforcement, remediation on essential concepts they haven't yet mastered, or a subject matter refresher before students enter a higher-level math or ELA course.
Project Based	This engaging curriculum challenges students to demonstrate mastery through action projects.
Electives	Standard elective courses are available as well as social emotional learning content and certification pathway career courses.

Assessment Types

Students are evaluated through multiple assessment types, and the resulting data empowers educators to plan responsive instruction and academic interventions. Harris Digital Learning eCourses® include both system-graded and teacher-graded assessments with a variety of technology-enhanced question types and activities at varying levels of rigor.

Lesson Assessment	This assessment appears at the end of a lesson and tests the student's mastery of the objectives for the lesson. Lesson assessments are typically system-graded.
Quiz	This summative assessment appears at designated points throughout the course to test the student's understanding of multiple lessons and objectives. Quizzes may consist of system- or teacher-graded questions, or a combination of both.
Review	This summative assessment appears at the end of a unit or part and is meant to help students review the content before completing a summative quiz or exam. Review assessments are typically system-graded.
Exam	This summative assessment appears at the end of a unit or part and tests the student's mastery of all the concepts for that portion of the course. Exams may consist of system- or teacher-graded questions, or a combination of both.
Writing/Speaking/Project Assignments	These assessments appear at designated points throughout the course and ask the student to demonstrate their understanding of the concepts through written, spoken, or project-based work. These assessment types may consist of system- or teacher-graded questions, or a combination of both.
Participation Assignments	These assessments appear at designated points throughout the course. Students are scored based on their completion of the assignment rather than its accuracy.

Cyber Essentials

Cyber Essentials introduces the online learning environment and the skills needed for successful completion of eSchoolware™ (ESW) courses. Cyber Essentials will help guide students to be successful online learners. From utilizing the eSchoolware™ platform to the importance of digital citizenship, all students will be prepared for their online coursework.

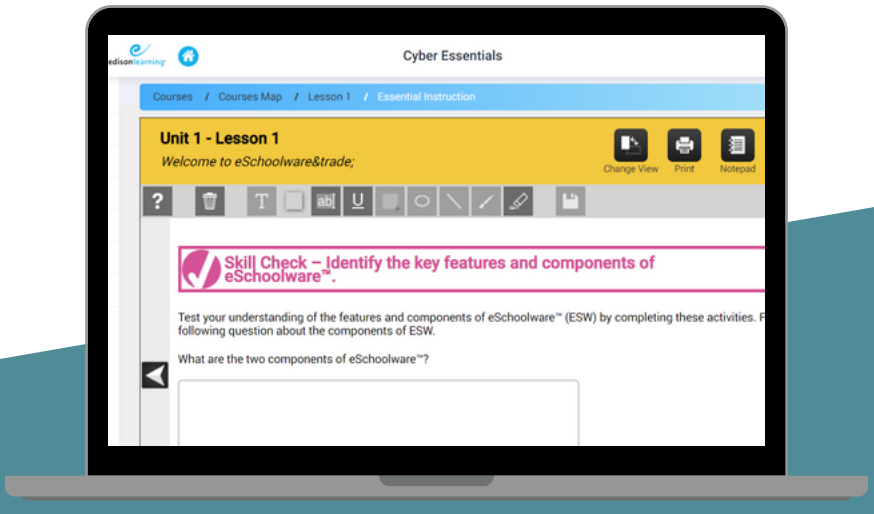
Course Description

Cyber Essentials introduces the online learning environment and the skills needed for successful completion of eSchoolware™ (ESW) courses. Cyber Essentials will help guide students to be successful online learning students. From utilizing the eSchoolware™ platform to the importance of digital citizenship, all students will be prepared for their online coursework.

The course begins with an introduction to the eSchoolware™ digital learning system, where you will access your lessons, assessments, manage your courses, contact your instructors and advisors, and access information about your progress in eCourses, including the gradebook. The features of the Student Portal, MyDay and Course Player are detailed in the next section, as well as the structure and components of ESW lessons.

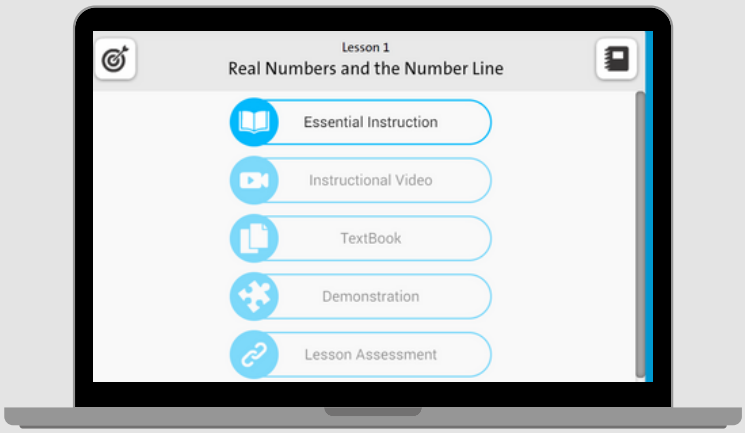
In the next sections, you will learn how accessibility is addressed in ESW courses, how to access these features, and where to find additional academic and technical help. Appropriate communication with your instructor or advisor and the roles of the learner and instructor in online learning are also covered. You will also review the types of assessments provided in eCourses, the process for uploading assignments and downloading worksheets to the ESW system, and tips for successful completion of your courses.

In the last sections, you will learn about online privacy and safety and how to protect yourself from identity theft, online predators, and cyberbullying. Finally, you will examine the critical issues of artificial intelligence, digital rights, and plagiarism, including how to avoid plagiarism and the potential ramifications of plagiarizing another person's work.



Middle School eCourses

Developed for students in grades 6-8, Middle School 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.



The MyDay 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.

Course Learning Objects	
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	Activities Workbook & Answer Key – Workbooks contain foundational activities and puzzles such as word searches, crosswords, and matching exercises related to the lesson's 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.

Middle School Core and Elective eCourse Details

English Language Arts Courses				
Course Name	Length	Course Type(s)	Diagnostic Assessment	Progress Assessment
Language Arts 6th Grade QM	**Year**	**Competency Based and Credit Recovery**	✓	✓
Language Arts 7th Grade	**Year**	**Competency Based and Credit Recovery**	✓	✓
Language Arts 8th Grade QM	**Year**	**Competency Based and Credit Recovery**	✓	✓

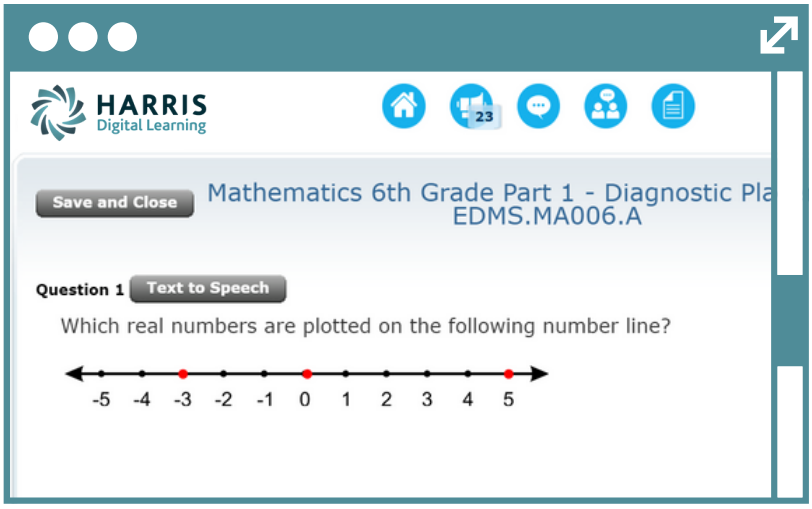
Social Studies Courses				
Course Name	Length	Course Type(s)	Diagnostic Assessment	Progress Assessment
Social Studies 6th Grade	**Year**	**Competency Based and Credit Recovery**	✓	✓
Social Studies 7th Grade	**Year**	**Competency Based and Credit Recovery**	✓	✓
Social Studies 8th Grade	**Year**	**Competency Based and Credit Recovery**	✓	✓
World History	**Year**	**Competency Based**	✓	✓
Civics	Year	**Competency Based**	✓	✓
United States History	**Year**	**Competency Based**	✓	✓

Science Courses				
Course Name	Length	Course Type(s)	Diagnostic Assessment	Progress Assessment
Science 6th Grade	**Year**	**Competency Based and Credit Recovery**	✓	✓
Science 7th Grade	**Year**	**Competency Based and Credit Recovery**	✓	✓
Science 8th Grade	**Year**	**Competency Based and Credit Recovery**	✓	✓
Earth Science	**Year**	**Competency Based**	✓	✓
Life Science	**Year**	**Competency Based**	✓	✓
Physical Science	**Year**	**Competency Based**	✓	✓

Middle School eCourse Details

Math Courses				
Course Name	Length	Course Type(s)	Diagnostic Assessment	Progress Assessment
Mathematics 6th Grade	**Year**	**Competency Based and Credit Recovery**	✓	✓
Mathematics 7th Grade QM	**Year**	**Competency Based and Credit Recovery**	✓	✓
Mathematics 8th Grade QM	**Year**	**Competency Based and Credit Recovery**	✓	✓

Elective Courses				
Course Name	Length	Course Type(s)	Diagnostic Assessment	Progress Assessment
Art History and Appreciation	**Semester**	**Competency Based**		
Health and Fitness	**Semester**	**Competency Based**		
Internet Safety	**9-Week**	**Competency Based**		
Music Theory and Appreciation	**Semester**	**Competency Based**		
Physical Education	**Year**	**Competency Based**		
Problem Solving	**9-Week**	**Competency Based**		
Study Skills	**9-Week**	**Competency Based**		



English Language Arts Middle School Course Descriptions

Language Arts 6th Grade

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 *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.

Language Arts 7th Grade

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.

Language Arts 8th Grade

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 the stages 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.

Social Studies Middle School Course Descriptions

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 the Far East, 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", although 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. The issues addressing modern nations include trade, migration, urbanization, and human rights. 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.

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 the growth of ancient civilizations into the 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 the American 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.

Social Studies 8th Grade

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 early 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.

Social Studies Middle School Course Descriptions

World History (MS)

World history takes students on a journey through human history, beginning with the geographic features that gave rise to early humans and continuing into the modern globalized world. Students examine the development of civilizations from multiple perspectives and assess the ways in which civilizations have interacted over time, in order to understand the inner workings of modern life.

Civics (MS)

Civics exposes students to the fundamentals of civic life in America. This course offers a comprehensive historical timeline of American government, beginning with colonial times and moving through modern issues. The course also enables students to examine key foundational principles and documents of the nation. In the latter parts of the course, students analyze global topics like international relations and local issues like conservation. In the final part of the course, the state of Florida serves as a case study for the relationships between federal, state, and local government. By the end of this course, students will understand the history and context of American democracy as well as their own roles as citizens.

United States History (MS)

US history is a broad survey of the nation's history, beginning with the interaction between First Nations peoples and early European settlers and continuing into the twentieth century. Students assess key events, ideas, and people who have shaped the nation and the world, focusing on key themes, including conflict between groups, geographic and economic expansion, and the emergence of the United States as a global power. In this course, students will become better acquainted with the history of the United States in all its complexity.

Science Middle School Course Descriptions

Science 6th Grade

Scientists make exciting observations and learn amazing facts about the world. Harnessing students' natural curiosity and ability to observe, Science 6th Grade surveys a variety of scientific disciplines through interactive activities and media-rich content. Students begin to explore scientific processes by creating and testing hypotheses. They learn to design experiments and analyze the results. Students also examine the connections between science and technology. They begin their survey of sciences by looking at life science, in which they examine the basic building block of life, the cell, and how cells come together to make larger organisms. Students compare the structure and processes of different organisms and how those organisms interact in an ecosystem. They finish by looking at one organism, the human body. The next part of the course focuses on physical science. Students examine the structure of matter and the forces that cause its motion. They also explore the forms of energy and how energy changes from one form to the other. Finally, students explore Earth science, examining the structure of Earth and the processes that shape it. They study the processes that affect an area's weather and climate, including the forces that are causing climate change. Students compare natural disasters, learn which disasters are most likely to affect their local area, and find out how to prepare for disaster emergencies. Finally, students explore Earth's place in the universe alongside the other objects.

Science 7th Grade

This course brings together some of the most fascinating sciences – general, physical, Earth, and life sciences – essential for investigating the world. It also brings together science, technology, engineering, and mathematics (STEM). Students learn and apply the scientific method to everyday situations, such as a broken lamp or a hungry dog. They also learn how the scientific method is adapted to the development of technology. Students learn about matter and energy, Newton's laws, and electromagnetic waves and the electromagnetic spectrum, focusing on the properties of visible light. Earth itself becomes the focus as students study the processes that create weather and climate, as well as earthquakes and volcanoes. Delving into Earth’s past, students examine the fossil record and discover the clues it provides about the histories of numerous species and how they adapted to their environments. 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 the reasons that preserving Earth’s limited natural resources through conservation efforts are imperative.

Science Middle School Course Descriptions

Science 8th Grade

This course begins with a review of proper scientific methods and how they are used in scientific investigations. Students will see how these methods are applied in several scientific disciplines. They also learn how these methods are used in designing technology. Students will apply these scientific methods as they explore the structure of matter. They will examine the phases of matter and how they change from one to another. The course goes on to cover the classifications of matter and how they change from elements to compounds or mixtures. Students then explore how energy affects matter. The course shifts to a discussion of geology, in which students learn about the structure of Earth and how it has changed over its history. They will then learn about Earth's place in the universe. The course shifts again to exploring living things, beginning with the basic unit of life, the cell. Students examine how organisms carry out functions of life and how that affects other organisms in the ecosystem. Students then explore how the cells come together to make organs and organ systems and how diseases and conditions affect those systems. Finally, students compare weather and climate. They will examine how violent storms form and how Earth's climate is currently changing.

Earth Science (MS)

Earth Science (MS) explores how a number of sciences affect the processes on Earth and in space. In this interactive and engaging course, students study air, water, and the processes that shape the physical world, as well as how human civilization has impacted the balance of nature. Students begin by learning the method of studying the natural world called the scientific method. They also learn about how the scientific method is applied to technology development. Next, they will explore the structure and processes of matter, which is important for understanding the processes on Earth. Students learn about Earth's structure and how forces have changed the surface over time. They will also examine how those same forces create mountains, volcanoes, and earthquakes. Students will look at how fossils formed and the information scientists get from them. The course then covers how weather events happen, especially severe storms, and how they can be predicted. Students will explore ecosystems and how they are disrupted by human activity. They will then look at the forces that determine an area's climate and how global climates are changing. Finally, students will learn about Earth's place in the universe with an introduction to astronomy.

Science

Middle School Course Descriptions

Life Science (MS)

Life Science (MS) introduces students to the subject of biology and the structures and functions of living things. The course begins with instruction on the scientific method and how it is applied in the development of technology. The cell is the basic building block of life, so students will examine unicellular organisms and how the cell structures carry out life's functions, including photosynthesis and respiration. The cells combine into tissues, organs, and systems. Students will discover the systems of the human body and the conditions that affect them. The course then moves into a discussion of the basics of genetics and how traits are passed from one generation to the next. Students examine how species change and adapt to the environment in natural selection. Students then discover how living things are classified. Finally, students explore how organisms interact with each other and their surroundings in an ecosystem.

Physical Science (MS)

Physical Science (MS) is an interactive and engaging course that introduces students to the sciences of chemistry and physics. The course begins with a unit on the nature of science, developing technology, and a review of measurement. Students will explore the principles of experimental design. Students apply these skills to the science of physics. They begin by describing the concepts of motion and the role of force in creating that motion. Students examine the relationship between work and energy, as well as the forms of energy. Students apply their knowledge of these topics through problems, explanations, graphs, and virtual lab activities. They continue their study of physics by exploring the nature of waves and how they interact with matter. The course proceeds with the study of chemical principles and the structure of matter. Students will examine how matter interacts with energy and how energy causes changes in matter. They will then explore matter in its basic form, the atom, how the atoms come together to form compounds, and how elements and compounds interact in chemical reactions. They will then explore different kinds of mixtures. Students finish the course by looking at how natural resources are used and their effects on the environment.

Math Middle School Course Descriptions

Mathematics 6th Grade

Students learn how to find the prime factors of composite numbers, then apply this ability to work with fractions. They use ratios and rates in a number of applications: 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 apply 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.

Mathematics 7th Grade

Mathematics 7th Grade teaches skills essential to adult life and lays the groundwork for future mathematics courses. 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 by 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. 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 then represent these concepts by using Venn diagrams and charts, tools they will encounter in other courses.

Mathematics 8th Grade

Mathematics 8th Grade helps students to 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 measurements. 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 ranging from playing cards to determining the number of different outfits they have in their closets.

Electives Middle School Course Descriptions

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 artistic styles, movements, and techniques, and identify specific pieces of artwork by period and origin.

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 to progress to more advanced music studies.

Problem Solving

Problem Solving 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.

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 to develop a program to manage their study time, enhance their concentration, and accomplish their 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.

Electives Middle School Course Descriptions

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, recognizing peer pressure, making good decisions, and resolving conflicts. Students also 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 promoting overall health.

Internet Safety

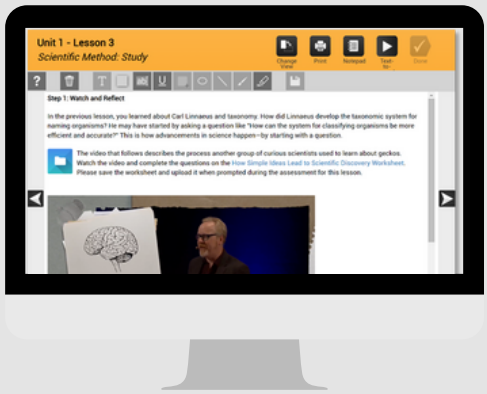
Why take safety measures when using the Internet? What are the differences between interacting in the real world and interacting in a virtual world? In Internet Safety, students think critically about what constitutes appropriate behavior online and expand the range of their online interactions. This course begins by identifying safety precautions for communicating online, 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 bullying 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, how to safely use social networking sites, and how to buy and sell items online.

Physical Education (MS)

This course combines online instruction and student participation in daily physical activities. The course also combines the principles of physical activity and emotional wellness for the overall fitness of the individual. Students begin with an overview of wellness and the skills needed to make good decisions. They will also learn the consequences of making poor behavioral choices. Students will examine general movement patterns and the specific movement patterns needed in sports. Next, students will learn how to make physical activity goals and be able to track their progress toward their goals. Students will explore the cardiovascular and respiratory systems, the diseases that affect them, and the exercises that benefit them. They will learn about strength training principles and how those help maintain a healthy body composition. Nutrition is also important for body composition and overall health. Students will explore the principles of good nutrition and the benefits of it. They will also learn about the government recommendations for a healthy diet. Students will examine the needs and benefits of maintaining flexibility. They will explore the principles of several sports and the skills and behaviors needed to be a good teammate. The last section of the course begins with a discussion of the benefits of physical activity. They will learn about staying safe while exercising and treating any emergencies that might arise when exercising. Students will explore some of the influences on teen behavior and the dangers of using various drugs. They will finish the course by researching current trends in diet and fitness.

High School eCourses

Developed for students in grades 9-12, High School 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. Supplemental materials, such as textbooks, offer students opportunities to synthesize material from the lessons.



Course Player is an engaging and interactive content delivery system that is used for our High School eCourses. The Course Player requires that students interact with content and assessments in a personalized forced progression of learning objects. Mastery settings ensure that a student has succeeded with the objectives of a lesson before the next lesson is unlocked. Students are provided with additional learning objects when needed.

Course Learning Objects	
Need to Know	Presents prerequisite information and summarizes information related to the given lesson.
Essential Instruction	Delivers direct instruction of the lesson concepts.
Textbook & Answer Key	Provides supplementary information related to the concepts covered in the Essential Instruction.
Reteach	Reviews the concepts covered in the Essential Instruction.
Instructional Video	Presents the concepts from the Essential Instruction through a different mode of learning.
Extension	Presents enrichment activities related to the Essential Instruction concepts, to extend the students' thinking.
Assessments	Assess the concepts covered in the course through a variety of assessment types, including lesson assessments, quizzes, writing assignments, speaking assignments, project assignments, and exams.
Gizmos®	Provide additional interactive simulations in some math and science lessons to power inquiry and understanding of the concepts in the lesson. Each Gizmo includes both a manipulative activity and corresponding formative assessment items.
Reading Guides	Provide a combination of comprehension and critical thinking questions that guide students through assigned reading in a lesson.

High School Core and Elective eCourse Details

English Language Arts Courses

Course Name	Length	Course Type(s)				Assessment Type	
		Competency Based	Credit Recovery	Foundation	Honors	Diagnostic	Progress
English 1 QM	Year	✓ NCAA	✓	✓	✓ NCAA		✓
English 2	Year	✓ NCAA	✓	✓	✓ NCAA		✓
English 3	Year	✓ NCAA	✓	✓	✓ NCAA		✓
English 4	Year	✓ NCAA	✓	✓	✓ NCAA		✓
Informational and Persuasive Writing	9-Week					✓	✓

Social Studies Courses

Course Name	Length	Course Type(s)				Assessment Type	
		Competency Based	Credit Recovery	Foundation	Honors	Diagnostic	Progress
American History	Year	✓ NCAA	✓	✓	✓ NCAA	✓	✓
Early American History	9-Week	✓ NCAA				✓	✓
Early World History	9-Week	✓ NCAA				✓	✓
Economics	Year	✓ NCAA	✓				
Economics with Personal Finance	Year	✓					
Macroeconomics	Semester	✓ NCAA					
Microeconomics	Semester	✓ NCAA					
Personal Finance	Semester	✓					
Psychology	Semester	✓ NCAA					
Sociology	Semester	✓ NCAA					
US Government	Year	✓ NCAA	✓	✓		✓	✓
World Geography	Year	✓ NCAA	✓			✓	✓
World History	Year	✓ NCAA	✓	✓		✓	✓

High School Core and Elective eCourse Details

Science Courses							
Course Name	Length	Course Type(s)				Assessment Type	
		Competency Based	Credit Recovery	Foundation	Honors	Diagnostic	Progress
Anatomy and Physiology	**Year**	✓ NCAA	✓				
Application of Genetics	**Semester**	✓					
Astronomy	**9-Week**	✓ NCAA					
Biology QM	**Year**	✓ NCAA	✓	✓	✓ NCAA	✓	✓
Biotechnology	**9-Week**	✓ NCAA					
Chemical Engineering	**9-Week**	✓ NCAA					
Chemistry	**Year**	✓ NCAA	✓	✓	✓ NCAA	✓	✓
Earth Science QM	**Year**	✓ NCAA	✓	✓		✓	✓
Electrical Engineering	**9-Week**	✓ NCAA					
Environmental Sciences	**Semester**	✓ NCAA					
Epidemiology	**9-Week**	✓					
Forensics	**9-Week**	✓ NCAA					
Foundations of Engineering	**Year**	✓					
Genetics	**9-Week**	✓ NCAA					
Introduction to Technological Sciences	**9-Week**	✓					
Life Science	**Semester**	✓ NCAA					
Mechanical Engineering	**9-Week**	✓ NCAA					
Natural Disasters	**9-Week**	✓ NCAA					
Physical Science QM	**Year**	✓ NCAA	✓	✓		✓	✓
Physics	**Year**	✓ NCAA				✓	✓
Sports Medicine	**9-Week**	✓					
Sports Science	**9-Week**	✓					
Sports Science and Medicine	**Semester**	✓					
Stem Cells	**9-Week**	✓ NCAA					
Superstars of Science	**9-Week**	✓					

High School Core and Elective eCourse Details

Math Courses

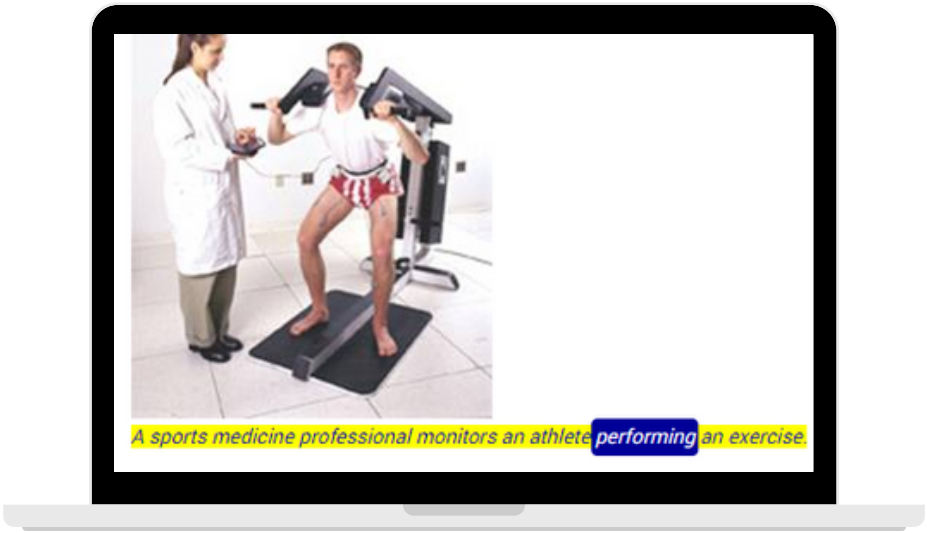
Course Name	Length	Course Type(s)				Assessment Type	
		Competency Based	Credit Recovery	Foundation	Honors	Diagnostic	Progress
Algebra 1	**Year**	✓ NCAA	✓	✓	✓ NCAA	✓	✓
Algebra 1 Critical Concepts	**9-Week**	✓				✓	✓
Algebra 2	**Year**	✓ NCAA	✓	✓	✓ NCAA	✓	✓
Calculus	**Year**	✓ NCAA	✓			✓	✓
General Math	**Year**	✓	✓			✓	✓
Geometry	**Year**	✓ NCAA	✓	✓	✓ NCAA	✓	✓
Integrated Math 1	**Year**	✓ NCAA	✓			✓	✓
Integrated Math 2	**Year**	✓ NCAA	✓			✓	✓
Integrated Math 3	**Year**	✓ NCAA	✓			✓	✓
Integrated Math 4	**Year**	✓ NCAA	✓			✓	✓
Pre-Algebra	**Year**	✓	✓	✓		✓	✓
Pre-Calculus	**Year**	✓ NCAA	✓			✓	✓
Probability	**9-Week**	✓ NCAA					
Statistics	**9-Week**	✓ NCAA					
Trigonometry	**9-Week**	✓ NCAA				✓	✓

World Language Courses

Course Name	Length	Course Type(s)				Assessment Type	
		Competency Based	Credit Recovery	Foundation	Honors	Diagnostic	Progress
French 1	**Year**	✓ NCAA	✓				
French 2	**Year**	✓ NCAA	✓				
French 3	**Year**	✓ NCAA					
French 4	**Year**	✓ NCAA					
German 1	**Year**	✓ NCAA	✓				
German 2	**Year**	✓ NCAA	✓				
Spanish 1 QM	**Year**	✓ NCAA	✓	✓			
Spanish 2	**Year**	✓ NCAA	✓	✓			
Spanish 3	**Year**	✓ NCAA					
Spanish 4	**Year**	✓ NCAA					

High School Core and Elective eCourse Details

Elective Courses							
Course Name	Length	Course Type(s)				Assessment Type	
		Competency Based	Credit Recovery	Foundation	Honors	Diagnostic	Progress
Advanced Music Theory	**Semester**	✓					
Art History & Appreciation	**Semester**	✓					
Career Explorations	**9-Week**	✓					
Computer Engineering	**9-Week**	✓					
Computer Skills	**Semester**	✓					
Fitness	**Semester**	✓					
Health	**Semester**	✓					
Health and Wellness	**Year**	✓					
Internet Safety	**9-Week**	✓					
Life Skills	**Semester**	✓					
Music Theory & Appreciation	**Semester**	✓					
Physical Education QM	**Year**	✓					
Physical Education 1	**Year**	✓					
Physical Education 2	**Year**	✓					
Science of Computing	**9-Week**	✓					
Your Career and Money	**Year**	✓					



English Language Arts High School Course Descriptions

English 1

In English 1, students learn and practice the foundational skills that they will need to be successful throughout their high school English Language Arts education. Throughout this course, students examine different genres of fiction, including a coming-of-age novel, an assortment of short stories, a variety of poetry, and a Shakespearean play. As students read these texts, they explore characters who face life-changing experiences, consider the literary techniques that authors use to enhance their writing, and analyze how culture relates to literature. Additionally, students learn about aspects of nonfiction writing, such as the author's purpose, text structures, text features, and rhetorical techniques, while reading a variety of articles and speeches. As students read the texts in English 1, they will complete corresponding writing and presentation projects which allow them to demonstrate mastery of the content and skills they are learning. By the end of the course, students will have a strong grasp of how fiction and nonfiction authors convey their perspectives, as well as how writing and speaking can impact change.

English 2

English 2 offers students a chance to discover and analyze a diverse selection of literature from around the world, with a focus on how the themes and central ideas of the pieces relate to their own lives. Throughout the course, students will learn more about various cultures, how their own experiences relate to those of others, and the importance of exploring works written by authors from diverse backgrounds. Students will read and evaluate a variety of fiction texts, including epic poetry, adaptations of classical literature, short stories, a novel, and a play. Additionally, students will explore aspects of nonfiction writing in different types of works including essays, persuasive speeches, and a historical novel. As students read the texts in English 2, they will complete corresponding writing and presentation projects which allow them to demonstrate mastery of the content and skills that they are learning. By the end of the course, students will have a strong grasp of how authors convey unique perspectives, as well as how historical and cultural influences can impact world literature.

English Language Arts High School Course Descriptions

English 3

English 3 invites students to discover and analyze a diverse selection of American literature and nonfiction that has been integral to founding and developing the United States as a country. Throughout the course, students will explore pieces from different periods in American history. The course's fiction pieces consist of poems, short stories, and a novel. Nonfiction texts include historical documents, essays, speeches, and Supreme Court cases. Through these readings, students will examine key themes, characteristics, and concepts that define American literature and identity. As students read the texts in English 3, they will complete corresponding writing and presentation projects, allowing them to demonstrate mastery of the content and skills they are learning. By the end of this course, students will be able to identify the defining characteristics of American literature and explain how it has evolved over time.

English 4

In English 4, students look critically at the world around them by reading a range of texts that explore past and present social, political, and cultural issues. As they read, students are challenged to analyze how central ideas and themes are crafted and presented, assess the author's purpose for writing, and consider how to break down and evaluate information in a thoughtful manner. Throughout this course, students will think about how people see the world from different perspectives while also considering the common themes, hardships, and triumphs that unite humanity.

Informational and Persuasive Writing Critical Concepts

Writing is a foundational skill that is used not only in English classes, but across all subject areas. In this course, students will hone their writing skills as they study and practice the writing process and writing skills related to expository and persuasive writing. For each type of writing, students will learn how to choose appropriate topics, generate ideas and research questions, find and evaluate credible sources, outline their papers, compose a first draft, and revise and edit their writing to create polished final products. They will also apply general writing skills, such as creating a formal style and objective tone, utilizing transitions, and applying the rules of MLA formatting. This course is designed to help students refine and practice the expository and persuasive writing skills they will need to be successful in their high school English courses.

Social Studies High School Course Descriptions

American History

American History takes students on a journey through the key events that have shaped America as a nation, from the end of the Civil War in 1865 to the height of the Cold War in 1980. The journey begins with Reconstruction, a period of great transition and opportunity to heal a broken nation. Students witness the great migration westward and explore how the Industrial Revolution and waves of immigration fueled the flames of the American spirit. The course details the challenges America faced and the elusiveness of equality for populations of Native Americans, African Americans, immigrants, and women. Students learn how the core values of the founding fathers eventually prevailed and led to the women's suffrage and civil rights movements. The course closely examines the impact of war, with units covering the role of the United States in World War I, World War II, the Korean War, and the Vietnam War. Throughout their journey, students encounter the great political, industrial, military, and human rights leaders who shaped America into a beacon of hope.

Early American History

Early American History provides students with a comprehensive and engaging look at early American history from the impact of the early Spanish explorers through the Civil War. Students learn about key events of European exploration and colonization of the Americas. Students learn about the establishment of the United States as an independent country, the importance of the US Constitution, and the impact of the Constitution on the continued development of the country. At the completion of this course, students have both a knowledge of and appreciation for the early history of the United States.

Early World History

Starting at the dawn of civilization and arriving at the doorstep of the Renaissance, Early World History introduces students to the major events that laid the foundations of the modern world. This course exposes students to the development of the world's early civilizations and the cultures that created them. Students experience the rituals of the Aztecs, the might of the Roman legions, and the building of the Great Wall of China. From these ancient beginnings, students trace the development of empires, the emergence of the world's major religions, and the mechanisms of trade and conflict that brought cultures together. Thematically, the course focuses on how empires have interacted to spread goods, ideas, and technological innovations such as silk and gunpowder. The course traces major events from ancient Mesopotamia through the Black Death of the fourteenth century, preparing students to explore more recent world history in future courses

Economics

Economics is a comprehensive survey of the ways in which human decisions impact the world every day. Microeconomic concepts including supply and demand, business transactions, the fundamentals of work, and others offer students a glimpse into the effect of personal economic decisions upon the world. Macroeconomic concepts such as the fiscal policy of governments, trade, natural resource use, and other big picture topics offer a more broad view of the world's economic systems. In its entirety, this course illuminates the ways in which people from around the world are connected to one another and their natural surroundings every day.

Social Studies High School Course Descriptions

Economics with Personal Finance

Economics is the study of how a society's wealth is produced, distributed, and consumed. Personal finance is a skill set for making financial decisions. This course combines these subjects to provide an overview of how people interact with the economy. The first half of the course discusses general economic concepts such as supply and demand, capitalism, and money. The second part of the course helps students develop practical financial skills. It discusses decision-making, investing, banking skills, credit, debt, and taxes. The course concludes with practical tips for buying goods and services, paying for education, and living in the digital economy.

Macroeconomics

Macroeconomics deals with the economies of nations and regions. Students will learn how these economies function and measure up against one another by exploring concepts including gross domestic product (GDP), unemployment rates, and price indices. At the end of this course, students will be able to understand the world economy and recognize the events and people who have contributed to the understanding of macroeconomics.

Microeconomics

Microeconomics teaches students about the structure of economics and how it affects world events and people's everyday lives. Upon completing this course, students have a better understanding of personal finance, the role and process of taxation, and the risks and rewards of investment. The course discusses the need for economic systems, examines the concepts of supply and demand and consumer theory, and evaluates past and present occupation trends. Students compare the mixed economies of various nations; learn about traditional, command, and market economies; and examine the role of government in regulating the economy.

Personal Finance

Financial skills lay the groundwork for a stable and prosperous life. Personal Finance provides an overview of concepts that allow students to master financial management and basic economics. It covers core elements of personal finance, including decision making, entrepreneurship, banking, working, and budgeting. Students will explore economic concepts such as government regulation, banks, and labor. They will also learn about credit, debt, and taxes. They will practice strategies for purchasing goods and services, paying for education, and living in the digital economy.

Psychology

Psychology provides students with the opportunity to discover how their senses, perceptions, emotions, and intelligence influence the way they think, feel, and learn. In this course, students learn about the field of psychology, including the concepts and tools used to assess intelligence, sensation and perception, memory, motivation and emotion, and learning. At the end of this course, students gain both knowledge of and appreciation for psychology and how it affects everyone.

Social Studies High School Course Descriptions

Sociology

Sociology explores the development, dynamics, and structure of societies and society's connections to human behavior. The field also examines the ways in which groups, organizations, communities, social categories (such as class, sex, age, or race), and various social institutions (such as kinship, economic, political, or religious) affect human attitudes, actions, and opportunities. In this course, students learn about the concepts and tools used to understand individuality, social structure, inequality, family structure, education, economics, politics, and social change.

US Government

US Government offers students a comprehensive examination of this country's government. Students explore the evolution of American democracy, from its birth in the eighteenth century to the expansive role of federal, state, and local governments today. The course covers topics such as changes to the Constitution, the function of the Supreme Court, the structure of Congress, and the importance of the media. The course explores the relationship between the political parties and lobbyists, and the process of monitoring and funding federal elections. Students investigate the roles of state and local governments and their impact on citizens' daily lives. At the end of this course, students have a knowledge of and appreciation for the workings and history of the US government and understand its impact on American society.

World Geography

World Geography explores the world's geographical divisions and the differences between Earth and the other planets in the solar system. In addition to Earth's geographical features, the course explores how the cultural divides between countries impacts international relations. Through the study of geography, students analyze energy usage and explore ways to make the most of the planet without abusing its resources. The study of world geography through historical, cultural, physical, and economic lenses offers students a different perspective and understanding of the world.

World History

World History explores the causes and effects of events and people of the past. The material is organized sequentially, from the fourteenth century CE to the present day. Starting with Mesoamerican civilizations before the arrival of Europeans, the course will highlight the impact of cultural, economic, political, social, and intellectual revolutions and transformations. The course progresses from the Renaissance and the Reformation to the Age of Exploration and Enlightenment-era revolutions. It covers the global impact of the Industrial Revolution, and the rise of imperialism and nationalism. The closing topics emphasize global conflicts and diplomacy, as seen in World War 1, World War 2, and the Cold War. Each course part scaffolds students' skills for historical inquiry and focuses on disciplinary tools and concepts rooted in geography, civics, history, and economics. These focal areas align students' learning with the National Council for Social Studies' "College, Career, and Civic Life (C3) Framework." Upon completion of the course, students have the skills and knowledge to analyze historical change and its contemporary legacy.

Science

High School Course Descriptions

Anatomy and Physiology

Why is the human body so complex? How do all of the different structures of the body work together? In Anatomy and Physiology, students survey the different systems of the human body, with an emphasis on the relationship between structure and function. The course begins by teaching the language of anatomy and familiarizing students with the building blocks of the human body: cells and tissues that combine to create the complex organs and support structures of the body. Students get to know their bodies inside and out, from the skin that covers and protects the entire body to the skeleton and the attached muscles that provide support and create movement. Moving deeper inside, students explore the cardiovascular, respiratory, urinary, and digestive systems, which work together to supply the body with nutrients and rid it of wastes. Students also learn how the nervous and endocrine systems respond to the environment and maintain a state of balance. Students study the reproductive system as they follow the development of a human from a single-celled zygote to a mature adult. Interwoven throughout many lessons is information about genetic diseases, dysfunctions, and ailments such as diabetes, HIV, and arthritis. By the end of this course, students will feel as if they have read the owner's manual for their bodies.

Application of Genetics

Applications of Genetics introduces the students to the field of genetics, where they learn about the theories of Mendel, Darwin, and Wallace. They will learn how traits are passed down from one generation to another. They will explore concepts of adaptation, genotype, and phenotype; and basic concepts related to cells, DNA, and RNA. Students see how the basic concepts are applied in various techniques, including metagenomics, genetically modified organisms, DNA technologies, genetic testing, and other clinical and nonclinical applications of genetics. Students will also examine how the genetic code present in all cells can be used to treat conditions. They will study the ongoing research into the usage of stem cells.

Astronomy

Astronomy is a fascinating journey through the cosmos. The course begins with the celestial objects closest to home, scanning the solar system to provide students with an overview of the planets, moons, asteroids, and comets that revolve around the Sun. The course then moves beyond the solar system to explain the characteristics of our galaxy, the Milky Way. Students may be amazed to learn about the sheer size of this system and other galaxies nearby, and about the formation and death of stars, supernovas, black holes, and theoretical wormholes. Finally, the course reaches to the edges of time and space to investigate the properties of the universe as a whole, as students learn about theories explaining the beginning of existence and the expansion of the universe. Students also learn about Einstein's theory of relativity, time travel, and the search for extra-solar planets.

Biology

The science of biology is large, complex, and constantly changing. This course provides students with a broad and interactive experience covering the main topics of biological science. Topics range from cell reproduction to the diversity of life. Students also learn about the chemical components of life, the process of energy conversion, and life's functions. The course explores genetics, incorporating the latest scientific research, including the use of genetics in biotechnology. Next, the course covers ecology to raise students' awareness of the many challenges and opportunities in the modern world and how they apply to the field of biology. Finally, the course presents the theory of evolution and the evidence that supports the theory. Throughout the course, students complete lab activities that reinforce the material and provide the opportunity to apply their knowledge through interactive experiments and activities.

Science High School Course Descriptions

Biotechnology

Biotechnology provides students with a comprehensive and engaging look at the field. Students explore the history of biotechnology and advances in the field, as well as basic information about biotechnology laboratories and careers. Students learn about chemistry; the units of measurement used in biotechnology; and the biology of the cell, DNA, RNA, and proteins. The course concludes with a survey of the applications of biotechnology in the research lab and in industry, including enzymes, techniques, and plasmids.

Chemical Engineering

Ever wonder where all of those fantastic new products come from? What about the tasty new items that hit the shelves at the grocery store? New materials, new food additives, and new fuel sources are all developed by chemists. The processes that allow these substances to be mass-produced and become part of a product are developed by chemical engineers. In this Chemical Engineering course, you will build on the knowledge that you gained in your chemistry class and apply it to new and exciting processes. You will learn not only about the way that two chemicals react, but also the importance of controlling the reaction. You will build on your knowledge of exothermic and endothermic reactions as you learn how to control the massive amounts of heat involved in an industrial process. Engineers work to solve real-world problems; in chemical engineering, you will learn how the real-world problem of manufacturing is solved

Chemistry

This course shows the importance of science and challenges students to apply their studies in previous sciences to new theories, models, and problems. Students also learn how scientific methods are adapted to technology development. The course begins the discussion of chemical principles by examining the changes in the atomic models up to the modern theory. Students will explore how elements combine to make compounds and how each is involved in chemical reactions. Students will examine the relationships among liquids, gases, and solids, and investigate the role of energy in these relationships. Students learn about the laws governing the unique behavior of gases. Students explore the laws of thermodynamics and how they describe the energy in physical systems. Students examine solutions and how they form, as well as two specific types of solutions, acids and bases. Students learn the factors that affect the rate of chemical reactions. Students examine the nature of organic chemicals and how they are used as energy sources. The course ends with a discussion of nuclear chemistry. Lab activities throughout the course reinforce the material and allow students to apply their knowledge through hands-on experiments and activities.

Earth Science

Earth Science explores how the sciences of geology, physics, chemistry, and biology impact the world and universe around us. In this interactive and engaging course, students study air, water, the physical processes that shape the physical world, and how human civilization has affected the balance of nature. Students begin by examining proper scientific methods and their application in developing technology. Students learn about the modern science behind topics from Earth's history, such as continental drift, ice ages, fossil dating, and the geological timescale. Students will also look at processes that affect life today, such as weathering and erosion, the rock cycle, weather patterns, and climate. They will explore regular phenomena, the cause of the seasons, and natural disasters. Students will examine the formation, acquisition, and use of natural resources, as well as alternative energy sources. Students will also look at Earth as a small part of a larger universe in an exploration of astronomy, examining the solar system and the stars and galaxies beyond.

Electrical Engineering

When you get up in the morning, flip a switch, and see a light turn on, you might want to thank one of the people responsible: electrical engineers. The main function of an engineer is solving problems. Electrical engineers solve problems by using electricity and solve problems related to using electricity. They develop devices to generate and transmit electricity and design products that use electricity. In this course, you will learn the basics of circuit design and the laws and theorems involved in analyzing circuits. You will also learn how mechanical energy is converted to electrical energy in generators and power plants. Finally, you will see that the reverse can be true: Electrical energy can be converted to mechanical energy through electric motors.

Environmental Science

Environmental Science is sometimes referred to as ecology and is the study of the relationships and interdependence of organisms and their connection to the nonliving, or abiotic, factors in the natural world. This course provides students with a profile of the living relationships, abiotic factors, human influences, and current state of Earth's ecosystems. The course begins with a review of science as a process and the general components of Earth's structure that impact life. It then progresses through a study of the living groups and their relationships to one another, focusing on the balance achieved by nature through these relationships. The course explores populations and provides examples of unchecked growth and rapid extinction in the context of their effects on ecosystems. The course dedicates a unit to aquatic ecosystems and organisms, and the results of human impact. After covering the influence of energy extraction, production, and use, the course ends by examining the positive influence humans can have on the environment through conservation and sound management practices.

Epidemiology

Epidemiology is the investigation into the causes of disease and other public health problems in an effort to prevent them from spreading. This course introduces students to the field of epidemiology, including the basic concepts related to infectious diseases, specializations in epidemiology, and study design. Students learn about the specific parts of an epidemiology study and their importance, including types of sampling, selection bias, standardization, confidence intervals, and evidence-based research.

Forensics

Forensics introduces students to the field of forensics through a comprehensive look at related careers, laboratories, crime scene processing, evidence, and the impact of media on criminal investigations and trials. Students learn about specific techniques used in crime scene investigations, including autopsy, fingerprint analysis, DNA fingerprinting, and other types of evidence and analysis important to solving crimes. At the end of the course, students are introduced to a variety of specialized forensic sciences, analyze specific case studies, and learn about the Innocence Project and Freedom Project.

Foundations of Engineering

Science provides the world with knowledge of the natural world. Scientists determine many principles that explain how the world works. Engineering on the other hand is more concerned with solving problems faced by society. Engineers develop products, machinery, or devices that society needs for their daily life, or create the processes that make those products. In the Foundations of Engineering course, the student will learn the basic principles of four fields of engineering, chemical, mechanical, electrical, and computer engineering. Chemical engineering focuses on the creation of processes used to make foods, health and beauty aids, etc. Mechanical engineering deals with the creation of machinery that make work easier, or that support heavy loads. Electrical engineering covers the creation of products that use electricity to function. Computer engineering is one of the newest engineering fields and develops new hardware and software used in computers.

Genetics

Through this introduction to the field of genetics, students learn about the theories of Darwin and Wallace; the concepts of adaptation, genotype, and phenotype; and basic concepts related to cells, DNA, and RNA. Students study Gregor Mendel's pioneering work in genetic variation and the essential concepts that have been developed as a result of his findings. Finally, students explore applications of genetics, including metagenomics, genetically modified organisms, DNA technologies, genetic testing, and other clinical and nonclinical applications of genetics.

Introduction to Technological Sciences

Introduction to Technological Sciences provides an introduction to three main fields of technological science: engineering, biotechnology, and information technology. The first unit of the course surveys 15 distinct sub-fields of engineering, exploring the science background, real-world applications, and career opportunities in fields including aerospace, nuclear, and software engineering. In the second unit, students study cutting-edge biotechnology topics such as gene therapy, bioengineered crops, and biodegradation. The final unit focuses on the study of information technology, covering computer networking, data storage, and data encryption for secure communications.

Life Science

Life Science introduces students to the structure and function of living things and the natural relationships that exist on Earth. The course begins with the definition of life and a discussion of how living things are classified and organized by scientists. Students then work through material that presents the molecular building blocks of organisms, both microscopic and macroscopic views of life, the diversity and universality of species, and the characteristics of various groups of life. The course culminates with a unit on evolution, asking students to apply what they have learned about the natural world to the complex relationships and environmental factors that have shaped the ever-changing species sharing the world today.

Mechanical Engineering

Simple machines have been around for centuries. A machine is anything that makes work easier. Simple machines include levers and the combination of a wheel and an axle. Simple machines can come together to make complex machines; a motor added to a machine allows it to work automatically. Mechanical engineers develop the machines people use daily. Mechanical engineers learn how to harness forces and energy and support loads. In this course, you will learn how to apply the laws of physics related to motion, forces, and energy. This course will give you a new appreciation for the ways that structures are made and the ways that loads are supported.

Natural Disasters

Natural disasters can strike almost anywhere, at nearly any time. This course provides an overview of the different types of catastrophic forces of nature and their impact on the populations that they strike. The course gives students a greater understanding of the causes and effects of natural disasters; students also investigate what can be done to prevent such disasters. The first unit covers land-based events, detailing how scientists predict and react to avalanches, earthquakes, volcanic eruptions, mudslides, and fires. The second unit focuses on catastrophic events that begin in the ocean and atmosphere, describing the impact of flooding, hurricanes, blizzards, and droughts. In the third unit, students learn how disease spreads and how quickly one disease can impact the world's population. The final unit looks skyward for potential catastrophic impacts from comets and asteroids.

Physical Science

Physical Science is an interactive and engaging course that covers the sciences of chemistry and physics. Students begin by learning about the nature of science and scientific methods. They will also see how those techniques are applied in engineering in the design of technology. They will explore how data is collected and analyzed. Students examine chemical principles, such as the properties of matter and the structure of the atom. They will learn how atoms come together to form bonds and solutions. They will examine how chemical reactions occur and how they are represented in chemical equations. They will learn about the factors that affect the rate of chemical reactions. Students will finish their exploration of chemistry by examining organic and nuclear chemistry. The course then moves to the science of physics, describing the topics of motion and how forces affect motion. Students will explore the relationships between work, energy, and power. They will also see how those are applied in simple machines. Students will then do a deeper dive into energy. Students will examine the nature of waves and how they interact with matter. They conclude the course by exploring the nature of electricity and magnetism and their relationship. Students apply their knowledge of these topics through problems, explanations, graphs, and virtual lab activities.

Science High School Course Descriptions

Physics

Physics provides an overview of traditional physics and the latest research in the field. Students will begin by examining proper scientific methodology and how scientists gather and analyze data. They begin to apply scientific methods while studying Newtonian mechanics. Students learn that every object is acted upon by multiple predictable forces and how forces affect motion. Students explore how forces create work and the relationships between work, energy, and power. They will apply Newton's laws in collisions and rotational, circular, and harmonic motion. The course investigates the laws of thermodynamics, covering fluid mechanics and the relationship between matter and energy. Students will learn about static and current electricity. They will examine magnetism and how it generates an electric current. Students learn the characteristics of waves and how they interact with matter. They will explore the basics of optics when looking at mirrors and lenses. In the final set of lessons, students will examine the theory of relativity and the atom's basic structure. Topics in this course will be reinforced through interactive, online lab assignments.

Sports Medicine

Sports Medicine is an exploration of how to keep the human machine in optimal condition. Students learn about various aspects of sports medicine, including careers, basic concepts, and techniques. Students also learn about sports injuries and how they are treated so athletes can continue to compete. At the end of this course, students have a knowledge of and appreciation for the field of sports medicine and its applications.

Sports Science

Modern-day sports and the world-class athletes who excel at them take center stage in this journey through sports science. This course provides students with a survey of the impact of physics, biomechanics, and physiology on 14 modern sports. The first unit describes the role physics plays in a variety of sports, from the aerodynamics involved in auto racing to the force behind a boxer’s right hook. The next unit investigates the biomechanics of these sports, discussing concepts such as the contortions of a gymnast’s body and the cause of tennis elbow. The last unit focuses on the limits of the human body, describing the energy used by cyclists during a climb through the Alps and the reaction time required to hit a fastball traveling at 90 miles per hour. Overall, the course presents engaging information that will forever change how students perceive world-class athletes and competition.

Sports Science and Medicine

Sports Science and Medicine analyzes the ways athletes apply concepts of various sciences while participating in sports. Throughout the course, students will examine how athletes utilize the dynamics of physics as an advantage when actively participating in competitions. When participating in sports injuries will occur, and students will explore through the various types of injuries that can come about ranging in a variety of severity. Furthermore, students will learn about the surgical processes to heal these injuries as well as the whole rehabilitation process it takes for athletes to get back to optimal performance.

Stem Cells

Stem Cells explores the diverse and rapidly changing field of stem cell research. Students learn about the different types of stem cells; how stem cells were discovered; their importance to research; and the goals, challenges, and controversies in the field. Students explore human and mouse embryonic stem cells and a variety of types of stem cells found in different parts of the body, as well as the potential clinical applications of these cells in human medicine. Finally, students study stem cell research models.

Superstars of Science

Superstars of Science helps students appreciate the accomplishments and impact of the most influential scientists on today’s society, from scientists who lived in ancient Greece to those who are still alive and working today. The timeline structure allows students to see the cumulative nature of science and how the discoveries and inventions of every scientist are influenced by past breakthroughs. It is commonly said that every great scientist stands on the shoulders of those of the past; this course explores that concept. The biography of each scientist, one per lesson, includes not only their contributions to their field, but the context of their work at the time and the world’s reaction to their groundbreaking ideas.

Math High School Course Descriptions

Algebra 1

In Algebra 1, students build foundational skills they will need to succeed throughout their high school mathematics education. Throughout this course, students develop and hone reasoning and justification skills as they learn both the process for solving various problems and the why behind the process. In this course, students will encounter topics involving numbers and quantities, algebra, functions, statistics, and probability. With each topic, students will apply a deeper understanding of mathematical processes by modeling and solving application problems. Students will also complete corresponding projects on these topics, allowing them to demonstrate mastery of the content and skills they are learning. By the end of the course, students will have a strong grasp of thinking and reasoning abstractly and will be prepared for future high school-level mathematics courses.

Algebra 1 Critical Concepts

Algebra is one of the most important areas of study in mathematics. It helps develop critical thinking skills and sets students up to be successful in future mathematics courses. In this course, students will hone their algebra skills as they study essential topics, including equations and inequalities, forms and features of functions, the structure of polynomial expressions, quadratic equations and graphs, data distribution, and probabilities.

Algebra 2

Algebra 2 allows students to discover how the skills they learned in Algebra 1 further apply to a variety of topics. Students begin the course with a review of linear equations and inequalities in one and two variables. They apply their knowledge of systems of equations to work with more advanced systems of three equations. A deeper dive into polynomials involves factoring, performing operations, and comparing and contrasting graphs. Students explore additional characteristics and types of functions including inverse, exponential, logarithmic, root, and rational functions. Students graph and create equations for conic sections. After students apply their knowledge of functions to sequences and series, they are introduced to trigonometric topics including the unit circle, laws of sines and cosines, graphs of periodic functions, and methods of solving trigonometric equations. Statistics and probability are covered as students solve problems involving mutually exclusive and inclusive events, find measures of central tendency and variation, find binomial probabilities, and recognize normally distributed data.

Calculus

Algebra 2 allows students to discover how the skills they learned in Algebra 1 further apply to a variety of topics. Students begin the course with a review of linear equations and inequalities in one and two variables. They apply their knowledge of systems of equations to work with more advanced systems of three equations. A deeper dive into polynomials involves factoring, performing operations, and comparing and contrasting graphs. Students explore additional characteristics and types of functions including inverse, exponential, logarithmic, root, and rational functions. Students graph and create equations for conic sections. After students apply their knowledge of functions to sequences and series, they are introduced to trigonometric topics including the unit circle, laws of sines and cosines, graphs of periodic functions, and methods of solving trigonometric equations. Statistics and probability are covered as students solve problems involving mutually exclusive and inclusive events, find measures of central tendency and variation, find binomial probabilities, and recognize normally distributed data.

General Math

General Math motivates students while helping them establish a strong foundation for success in developmental and consumer mathematics. The course leads students through basic mathematics and its applications, focusing on whole numbers, integers, decimals, and percentages. Students make sense of the mathematics they encounter each day, including wages, banking, interest, credit, and consumer costs. At the end of this course, students have a knowledge of and appreciation for mathematics and problem-solving that prepare them for the future.

Geometry

Geometry focuses on two- and three-dimensional shapes, their properties, and their relationships. The course builds a strong foundation in mathematical logic through inductive and deductive reasoning. The properties and theorems of lines, angles, and polygons are used to solve problems, with a focus on triangles, quadrilaterals, and circles. Congruence and similarity are explored through transformations, and a connection between algebra and geometry is established by using coordinates to prove geometric theorems algebraically. The properties of two- and three-dimensional figures are used to describe the area, surface area, and volume of objects in mathematical and real-world problems. Throughout the course, students use logic skills to construct and analyze mathematical proofs.

Integrated Math 1

What are the differences between linear and exponential relationships? What are the components of mathematical expressions? What happens when one value in a data set is quite different from the rest of the data? Students extend their understanding of linear relationships by contrasting them with exponential models and modeling linear data. As they create equations and inequalities in one or more variables, students represent the constraints of these expressions and rearrange the equations to solve for particular variables. In their comprehensive study of functions, students focus on notation, domain and range, and sequences. They also interpret the key features of the graph of a function and build new functions or use existing functions to model relationships between quantities. Using their knowledge of relationships, students construct and compare linear, quadratic, and exponential models and use these models to solve various problems. Students learn that solving equations is a reasoning process and are asked to explain the reasoning that accompanies their solutions. As they explore descriptive statistics, students compare measures of center and spread and determine the most appropriate ways to represent data. Students also identify and interpret outliers in a data set. Finally, they prove simple geometric theorems algebraically.

Integrated Math 2

Integrated Math 2 focuses on quadratic expressions, equations, and functions and compares their characteristics and behavior to previously learned linear and exponential relationships. The course covers real and complex numbers to give students the background they need to solve all forms of quadratic equations. Students explore the structure of expressions and rewrite them to highlight pieces of the relationship. Creating and solving equations and inequalities leads to solving systems of equations involving quadratic or exponential equations. Students compute and interpret theoretical and experimental probabilities, making informed decisions as they apply their knowledge of probability. Similarity transformations give students another perspective on similarity and allow them to prove related theorems. Students prove and use geometric theorems and learn about right triangles and their related trigonometry. They then move to theorems of circles, study ways to find arc lengths and areas of sectors, and write equations for circles and parabolas. Finally, students examine area, circumference, and volume formulas for different geometric forms.

Integrated Math 3

Integrated Math 3 challenges students to gather and apply all of the concepts they have learned in previous courses. Students apply their knowledge of probability and statistics to both given data and data they collect through sample surveys, experiments, and simulations. Students look at polynomials and operations on them, examining the relationship between zeros and factors of polynomials, and use polynomial identities to solve various problems. Students learn that the arithmetic of rational expressions follows the same rules as arithmetic with rational numbers. Students deepen their understanding of trigonometry as they develop and apply the laws of sines and cosines to find missing measures of right and other triangles, determine how many triangles can be formed from a set of side measures, and apply the unit circle and model periodic phenomena by using trigonometric functions. Pulling together all they have learned about function families, students analyze functions, build functions to model relationships, and build new functions from existing functions. They can also construct and compare linear, quadratic, and exponential models; use geometric shapes, their measures, and their properties to describe objects; and apply geometric concepts in modeling situations.

Integrated Math 4

Integrated Math 4 brings together all of the mathematical concepts students have learned up to this point. In this capstone course, students perform operations with and find conjugates of complex numbers and represent them on the complex plane. Work with vectors includes recognizing the magnitude and direction of vectors and performing operations on vectors. Students also represent and manipulate data in and perform operations on matrices, applying the knowledge they gain as they represent and solve systems of linear equations. Students then analyze linear and exponential functions to show intercepts and end behavior, and delve into trigonometric functions showing period, midline, and amplitude. The course then moves to inverse functions, in which students find inverse functions and produce invertible functions from noninvertible functions by limiting the domain. Special triangles form the basis for students to geometrically determine values for sine, cosine, and tangent. Students also learn how to prove and utilize the addition and subtraction formulas for sine, cosine, and tangent and derive the equations of ellipses and hyperbolas. Cavalieri's principle is used to explain the formulas for the volume of a sphere and other solid figures. Finally, students calculate expected values and employ them to solve problems, and use probability to evaluate the outcomes of decisions.

Pre-Algebra

Pre-Algebra helps students make a successful transition from arithmetic to algebra by focusing on basic concepts of arithmetic and the applications of mathematics. Students learn how to perform operations with integers, fractions, and decimals. Students expand this knowledge to create expressions and to solve basic linear equations and inequalities. Students use their knowledge of fractions to work with ratios, rates, and proportions. Next, students explore how to display visual representations of numbers with bar graphs, histograms, and circle graphs. They take this skill and apply it to algebra as they plot points and basic equations on the coordinate plane. Next, students complete an exploration of measures of central tendency, data displays, and simple probabilities. The course ends with a study of essential topics for future mathematics courses, including unit conversion, angle classification, area, and volumes of geometric figures. The course highlights the math skills needed to be successful in everyday life and prepares students for future mathematics courses.

Math High School Course Descriptions

Pre-Calculus

Pre-Calculus helps students gain the knowledge they need for success in calculus and other high-level math courses. Students focus on a variety of functions, including their solutions, characteristics, and graphs. They explore the inverse relationship between exponential and logarithmic functions. Students learn how to use advanced methods to solve systems of equations. Next, students work with trigonometric functions as they graph, find values with the unit circle, verify identities, and solve trigonometric equations. Students then work with series and sequences and relate certain types of functions to arithmetic and geometric sequences. Students end the course by learning about vectors, conic sections, and polar coordinates. By the end of this course, students gain knowledge and appreciation for higher-level math concepts and their applications.

Probability

Probability offers students a comprehensive and engaging look at the field. They begin by learning the basic terms, types, theories, and rules of probability. Next, the course covers random outcomes and normal distributions, as well as binomial probabilities. Finally, students learn about geometric probability, sampling distribution, populations, and the central limit theorem. By the end of this course, students gain a knowledge of and appreciation for the field of probability and its uses in everyday life.

Statistics

Statistics opens students' eyes to the many uses of statistics in the real world—from sports and the weather to health and politics. Students learn basic concepts, how to use graphs to represent data, and ways to analyze data. They explore statistical relationships, including the use of correlations, residuals and residual plots, and scatter plots. Finally, students learn how to model nonlinear relationships by using exponential and logarithmic functions and how to design a sample to produce the correct type of data (observational or experimental). By the end of this course, students gain a knowledge of and appreciation for the field of statistics and its applications in the real world.

Trigonometry

Trigonometry explores trigonometric functions and practical applications of trigonometry, such as solving real-life problems through engineering, physics, construction, and design. Students investigate graphs, linear functions, quadratic functions, trigonometric functions, analytical trigonometry, analytical geometry, vectors, and advanced functions. Students develop critical-thinking skills and learn problem-solving techniques to help them succeed in understanding and applying trigonometric principles. By the end of this course, students gain knowledge of and appreciation for trigonometry and problem solving, which will prepare them for future mathematics courses.

World Language

High School Course Descriptions

French 1

French 1 is a comprehensive and engaging introduction to French language and culture. After mastering the French alphabet and numbers, students study French culture, events, and people. By the end of the course, students have a foundation in the study of French, are able to engage in French conversation, and have built a solid foundation for further French language study.

French 2

Students continue their virtual tour through France and other French-speaking countries and regions. This second-level French course takes a historical perspective in teaching the language, covering historical events and figures. By the end of this course, students have gained a deeper knowledge of and appreciation for the French culture and language.

French 3

French 3 continues to build students' vocabulary, grammar, and communication skills with the objective of improving student achievement in reading, writing, and speaking French. Students apply what they have learned in previous French courses to French conversation. At the end of this course, students are able to express themselves in French.

French 4

In this level-four French course, students apply the knowledge they gained in previous French courses to become true Francophones. Students explore exciting eras of French history, from the Crusades to the Renaissance to the modern day, learning about famous authors and historical figures along the way. The course provides students with an advanced knowledge of and deep appreciation for the French language and culture. At the end of this course, students are able to speak, read, and write in French with basic fluency.

German 1

German 1 is a comprehensive and engaging look at the German language and culture and focuses on the most essential information needed to communicate in German. After mastering the German alphabet and numbers, students study German culture, events, and people. By the end of the course, students have a foundation in the study of German and can engage in conversation in German.

German 2

Building on the content learned in German 1, students are immersed in the language while learning cultural aspects of German-speaking countries. The course emphasizes increasing students' skills in understanding spoken German, and writing, reading, and speaking in German. German 2 provides a comprehensive review of German grammar while improving students' vocabulary skills. At the end of this course, students have a knowledge of and appreciation for the German people and language.

World Language

High School Course Descriptions

Spanish 1

Spanish 1 provides a solid foundation for students to build proficiency in listening, speaking, reading and writing in Spanish, and provides students with basic skills and contextual information for using Spanish. Each unit presents new information, including useful vocabulary and grammatical structures, and introduces relevant cultural information. At the end of this course, students have the basic skills and contextual information required for using Spanish in their professional and daily lives and when traveling abroad.

Spanish 2

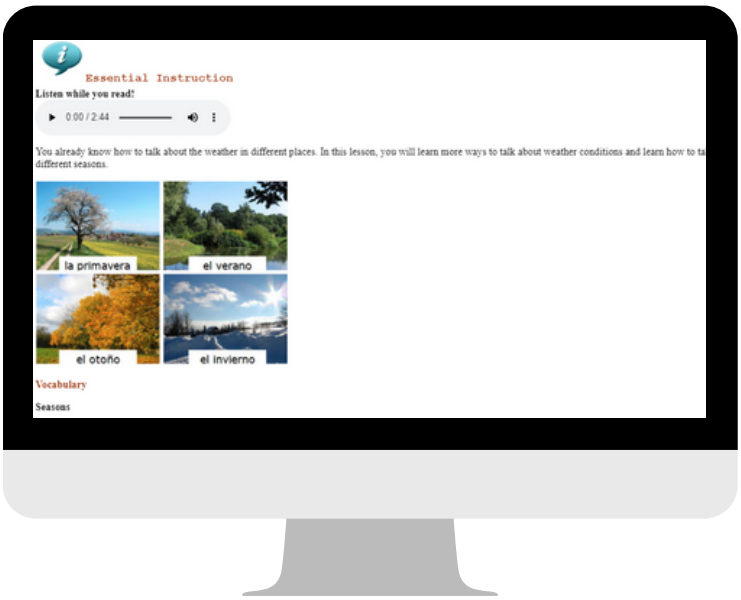
Spanish 2 immerses students in the Spanish language and the cultural aspects of Spanish-speaking countries. Students build on what they learned in Spanish 1, with a study of Spanish grammar and an emphasis on increasing their skills in listening, writing, reading, and speaking in Spanish. At the end of this course, in addition to improving their Spanish language skills, students have a knowledge of and appreciation for the cultures of Spanish-speaking countries, including the events and people that have impacted the language.

Spanish 3

In this level-three Spanish course, students apply what they learned in previous courses to conversational Spanish. Students explore cultural aspects of Spanish-speaking countries ranging from schools and careers to sports and authors. At the end of this course, students have improved their Spanish language skills and can express themselves in Spanish conversation.

Spanish 4

Students continue their exploration of Spanish and Latin American language and culture from the Caribbean to South America and Mexico to Spain, The course provides students with an advanced knowledge of and deep appreciation for the many Spanish-speaking peoples and countries around the world. At the completion of this course, students will have gained the knowledge and skills to speak, read, and write in the Spanish language with basic fluency.



Advanced Music Theory

Advanced Music Theory immerses students in the world of music and the technical details of how music works. The course is designed to provide students with a comprehensive and engaging look at music theory and the notation and structure important to its development. Students learn about various aspects of music theory, including the different types of musical staffs, notes, scales, and chords. Students are also exposed to the use of harmony to produce melodic structure. At the completion of this course, students will have gained knowledge of and appreciation for music theory.

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 of 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 of 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.

Career Explorations

How do you decide what type of career to pursue? What steps can you take to get a job in your desired field? Career Explorations provides students with employment data and career resources to analyze job opportunities and prepare for their careers. Students learn about careers and the relationships between education, career, and earning potential. Students then match their interests with career opportunities and build a career map. The course defines essential professional skills such as communication, teamwork, organization, and leadership. Lessons also include explanations of essential personal attributes including flexibility, responsibility, and dependability. At the end of the course, students explore networking, résumés, using social media, applying for jobs, and preparing for interviews.

Computer Engineering

Computer Engineering addresses the concepts important to the field, including the essential parts of a computer, how information is quantified, organized, and used, and the different types of information. Students learn about information compression and information theory, the different types of coding, the theory of sound, and how sound is converted into a signal. Finally, students learn about applications of computer engineering, including digital telephones, real-time data transmission, bandwidth limits, different types of systems, and information security.

Computer Skills for Academic Success

Computer programs are an integral part of day-to-day life, so it's essential to have a basic understanding of how they work and how to use them safely and responsibly. In this course, students learn about file types, including PDFs, as well as basic file management. They also learn about digital citizenship and how to communicate effectively and appropriately on the Internet. Students explore the origins of open-source software, including the LibreOffice suite. Office productivity software is required for education and numerous professions. While some office software applications are quite expensive, a powerful and user-friendly group of programs called LibreOffice is available for free to everyone. Students explore this free application suite, learning how to create, save, and format documents in Writer; how to design spreadsheets and manipulate and perform calculations on data in Calc; and how to build, save, and customize slide show presentations in Impress. After completing this course, students will have the tools to work with and present information in a variety of forms for professional, academic, and personal use.

Fitness

Fitness is all about ways to lead an active, healthy life. The course provides up-to-date information to help students establish healthier lifestyles and better understand the close relationship between physical activity, nutrition, and overall health. This course supports and encourages students to develop an individual optimum level of physical fitness, acquire knowledge of physical fitness concepts, and understand the importance of a healthy lifestyle. At the end of this course, students have a knowledge of and appreciation for fitness and its impact on everyone.

Health

Imagine the healthiest people you know. What are their secrets? While some health traits are genetically determined, the truth is that everyone has the ability to make positive changes to improve their physical health. In Health 1, you will learn how to promote better health by decreasing stress and finding a fuller vision of your life. Explore different lifestyle choices that can influence your overall health, from positively interacting with others to choosing quality health care and making sensible dietary choices. You will have the opportunity to build your own plan for improvement and learn how to create the type of environment that will ensure your overall health, happiness, and well-being.

Health and Wellness

Imagine the healthiest people you know. What are their secrets? While some health traits are genetically determined, the truth is everyone has the ability to make positive changes to better our physical health. In Health and Wellness, you will explore different lifestyle choices that can influence your overall health, from positively interacting with others to choosing quality health care and making sensible dietary choices. Wellness involves being healthy in body and mind. You will learn how to make positive choices that reduce stress and improve your mental and emotional health. You will also examine the choices and influences that can negative impact your overall wellness. You will have the opportunity to build your own plan for improvement and learn how to create the type of environment that will ensure your overall health, happiness, and well-being.

Internet Safety

Keeping yourself safe when you're using the Internet should be a high priority. Have you ever provided information to a website that you didn't know or trust? Do you know who is able to view the information that you post about yourself on social media sites? Have you ever shopped online? Has someone you know experienced identity theft? Are you able to determine the best places to acquire accurate, reliable information to use in a research paper? In Internet Safety, you'll learn how to keep yourself safe online. You will learn how to think critically about what constitutes appropriate behavior online and expand the range of your online interactions. In the beginning of the course, you will identify safety precautions for online communication, learn about ways to responsibly share content, and discover how to keep your accounts safe from identity theft and viruses. The course addresses virtual citizenship, defines cyberbullying, and encourages you to consider the consequences of your online interactions. Lessons also address reporting online abuse, phishing, plagiarism, copyright, and fair use. The course ends by explaining how to recognize quality websites to use for research, safely use social networking sites, and buy and sell items online.

Life Skills

Life Skills is a comprehensive development course for high school students making the transition to life after high school. The course shows students the steps for choosing a career, conducting a job search, selecting the right college, applying to college, and getting financial aid. This course prepares young adults for a successful life after high school, from maintaining a healthy body and a safe home to finding and keeping a job. At the end of this course, students have a knowledge of and appreciation for these important life skills.

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.

Physical Education QM

The physical education course focuses on the wellness of the entire individual, both physically and emotionally. Students will learn to make good decisions to promote overall wellness for the rest of their lives. They begin with an overview of wellness and all of the components of physical fitness. They will look at the principles of designing a fitness program. Students then explore general motor skills, as well as the specialized movements used in sports. The course transitions into a discussion on nutrition. Students will learn the national guidelines for proper nutrition and the foods that fit into those guidelines. They will learn how nutrition affects physical fitness and how it combines with activity to promote a healthy body composition. Students will examine the connections between the cardiovascular and respiratory systems and the exercises that keep those systems healthy. Students will explore the principles of strength training and flexibility. Being part of a team is a part of physical activity that transcends the classroom. Students will learn the skills and behaviors expected of a good teammate. They will then examine the principles of several sports, both team and individual. Students will revisit components of fitness to design their own exercise plans that they can execute safely. They will learn about the value of an exercise program on every part of the person. These benefits should encourage students to maintain regular fitness programs for the rest of their lives.

Physical Education 1

The physical education course focuses on the wellness of the entire individual, both physically and emotionally. Students will learn to make good decisions to promote overall wellness for the rest of their lives. They begin with an overview of wellness and the factors that affect a person's mental health. Students then examine the development of movement patterns and the specific movements that are involved in sports. Students will explore opportunities to achieve the goal of 60 minutes of activity per day and the factors that might keep them from meeting that goal. They will learn how to set a fitness goal and record measurements to assess their progress. They will also evaluate information available about products and services related to health and fitness. Students will learn the components of a fitness plan and design an exercise program. They will examine the cardiovascular and respiratory systems, the diseases that affect them, and the exercises that benefit them. Students will explore the muscular system and design an exercise program to benefit the system. They will learn the benefits of maintaining good flexibility and design a program to maintain flexibility. They will complete this course by examining how strength training improves overall body composition.

Physical Education 2

The physical education course begins with a discussion of how a person can maintain a healthy weight. They will examine how proper nutrition factors into that. They will learn about the components of nutrition and the government recommendations on how much each person should eat. They will learn about the dangers of not eating a healthy diet. Students will examine the importance of good personal relationships and how one can stay safe in them. They will explore issues that affect the student as an adolescent and how those issues change at different stages of life. The student will learn the process of making good decisions and the factors that make them difficult. Students will learn the effects of using a variety of drugs. The course pivots to the role of sports in a fitness plan. They will learn the behaviors needed for being a good teammate and the principles and rules of a variety of sports. Students will examine the public health system and learn how to make good decisions within it. Students will learn how to exercise safely and to manage injuries that might occur when exercising. Students will complete the course by examining how they can maintain a lifetime of physical activity.

Science of Computing

Science of Computing is a survey of the past, present, and future of computer technology. Students explore fascinating and enlightening topics, such as how Stonehenge may actually have been used as a type of computer, and how inventions including the abacus and the microprocessor have made today's technology possible. Students also learn about the science behind the hardware and software used today. Topics including algorithms, operating systems, and networks are described in detail and placed into context as tools for human innovation. Finally, the course looks to the future, introducing students to foreseeable improvements to current technology and visionary breakthroughs such as artificial intelligence, quantum security, and biological processors.

Your Career and Money

One of the goals of education is to prepare students to be successful in adult life. Education can help students make wise decisions in their future professional and consumer life. In Your Career and Money, students will explore career options, the education or training needed for the career of their choice, and the skills of a valuable employee. This course also explores ways to responsibly handle money. Students will learn about types of bank accounts, investment options, and taxes. In addition, this course covers the costs involved in housing, utility services, and transportation. Students will learn the responsibilities and processes involved in obtaining loans, making purchases, and building credit.

Keys to Driving Driver's Education

Keys to Driving is offered through Harris Digital Learning as a first-in-class online driver training program. Keys to Driving has been operating its 30 hour online driver training course since 2005. During this time, Keys to Driving has educated thousands of students in the art and science of driving a car and maintaining a safe and productive driving record.

Driver's Theory Course Objectives

Students will be gain knowledge on:

- The rules of the road in the state they are taking their driver's test.
- The physics of driving an automobile, of traction, turning and negotiating traffic.
- The understanding of basic auto repair principles, including when to change tires, wipers, checking oil and more.
- The social aspects of driving, including encounters with other drivers, with law enforcement, and other situations that are not strictly driving.

Why Keys to Driving is the right fit for your students

Developed as a complement to existing behind-the-wheel courses to assist students in driver's theory.

Seamlessly integrated into the eSchoolware platform, making it easy for students to get enrolled and get started.

Expands on typical driver knowledge, including topics of car maintenance, unusual driving conditions, how and when to make repairs, and more.

Affordable and easy to implement to meet the needs of students and school administrators.

NEW for 25-26 ! Motorcycle and ATV Courses

The 15-Hour **ATV Safety Course**, concentrates on safe driving practices and the responsibility of ATV ownership. Our course offers the student informative articles, quizzes, movies in an easy to use format.

The 15- Hour **Motorcycle Safety Course** concentrates on safe driving practices and the responsibility of vehicle ownership. Our course offers the student informative articles, quizzes, movies in an easy to use format. This program can be easily integrated into a student's behind the wheel training program.

Career and Technical Education

Our career-focused eCourse curriculum offers pathways to prepare students for industry certifications, engage in career exploration, and learn about new technologies.

Course Features

Empower students to explore career and technical skills through interactive and reflective course content and assessments. Our career-focused eCourse curriculum offers pathways to prepare students for industry certifications, engage in career exploration, learn about forthcoming technologies, and examine the impact of such topics on our society and economy. The purposeful design allows schools to utilize eCourses aligned to the National CTE Foundation career clusters in virtual and blended learning programs.

With Harris Digital Learning you can count on your students being fully supported in any learning environment. We provide our partners with:

- Certified online teachers and tutors who ensure students get personalized support while alleviating workload for school staff.
- Expert-designed, product agnostic professional learning solutions to address the needs of school staff leading and teaching digital learning programs.
- Seamless integration and robust reporting through eSchoolware™–our proprietary learning management system.
- We also offer over 150 core and elective eCourses for students grades 6-12. Learn more at www.harrisdigitallearning.com.

Career and Technical Education Course List

Our robust collection of 55 CTE courses cover a wide variety of student interests and career pathways. The courses are built by module. Many courses prepare students for a certification exam. Most courses can be completed in a semester or for .5 credit. Please work with students, advisors and the Harris Digital Learning team to determine the right fit. Full course details are available.

eCourses and Career Pathways

Architecture & Construction

- Architectural Design I +
- Architectural Design II +
- Architectural Design III
- Building Maintenance Technologies I
- Building Maintenance Technologies II +
- Construction: Fundamentals and Careers
- LEED Green Associate +

Agriculture, Food & Natural Resources

- Agriscience I
- Agriscience II
- Agriscience III

Arts, A/V Tech & Communications

- Adobe After Effects +
- Adobe Animate +
- Adobe Illustrator +
- Adobe InDesign +
- Adobe Photoshop +
- Adobe Premiere Pro +

Business Management & Administration

- Communication Skills for Business +
- Entrepreneurship & Small Business +
- Microsoft Excel +
- Microsoft Excel Expert +
- Microsoft Outlook +
- Microsoft PowerPoint +
- Microsoft Word +
- Microsoft Word Expert +
- Startups and Innovation

Education & Training

- Early Childhood Education I +
- Early Childhood Education II +
- Education & Teaching Advanced
- Teaching as a Profession

Finance

- Career Exploration in Finance
- Fundamentals of Bitcoin & Cryptocurrency
- Intuit Personal Finance +
- Personal Finance
- Quickbooks +

Health Science

- Career Exploration in Dentistry
- Career Exploration in Healthcare
- Dental Aide
- Health Science Foundations
- Healthcare Management & Information Systems +
- Introduction to Nursing

Information Technology

- Cybersecurity
- Cybersecurity II +
- Digital Information Technology
- Fundamentals to Blockchain & Cryptography
- Java SE 8 Associate +
- Networking +
- Swift App Development+

Marketing

- Meta Social Media +
- Social Media Business Marketing +

STEM

- Aeronautics and Space Travel
- Augmented and Virtual Reality Applications
- Cloud Technologies and the Internet of Things
- Introduction to Artificial Intelligence
- Robotics: Applications and Careers
- Smart Cities: Technology & Applications
- Transportation Technologies
- Wearable Technology Innovations

Additional CTE Electives

- Career Exploration
- Career & Financial Management
- Drones: Remote Pilot +
- Intuit Design for Delight +
- Project Management +
- The History of Gaming and Esports

+ Certification PREP

Architecture and Construction

Career and Technical Education Course Descriptions

Architectural Design I

In Architectural Design I, students will review various concepts used in the design and architecture field. They will learn about basic drafting equipment and how to use and maintain it. They will analyze challenges and solutions within the development of design. They will also learn how to prepare drawings manually and using AutoCAD software. A substantial portion of the course will be spent on sequential processes so that students develop an understanding of creating and annotating drawings as well as how to apply standard rules regarding line types, offset objects, creating layers, and setting up a page for plotting. They will also explore three-dimensional drawing and use coordinating and navigation systems to create them.

Course Materials: AutoCAD required

Architectural Design II

The Architectural Design II course provides specific methodologies used within the field of architecture as well as creative ways to think about and solve design challenges. Students will complete work using AutoCAD software aligned with objectives on the Autodesk Certified User (CAD) Certification exam, including basic drawing skills, modifying objects, annotating drawings, using layouts and printing, and applying accurate skills in dimensioning and scale. In later modules, students will study the built environment by learning about pioneers of architecture and engineering, architectural and engineering design feats, and how architecture and design is and will continue be influenced by innovative technology.

Course Materials: AutoCAD required

Architectural Design III

The focus of Architectural Design III course is to identify the common sequential processes used in computer-aided drafting (CAD). These processes will provide students with the foundation of creating drawings in CAD software including the use of lines, circles, arcs, text, varied text styles, multi-leaders, dimensions, dimension styles, crosshatching, object property commands, arrays, reference angles, layers, page setup, reusable content, and gradient patterns. Students will also explore concepts of ethics and legal responsibilities. They will identify how policies and procedures are used to develop company culture and professional standards. Students will have the opportunity to investigate career opportunities in the drafting professions. They will learn about the importance of developing a digital portfolio from their academic and professional experience. The course will culminate with a project that utilizes the processes they've learned in their readings.

Course Materials: AutoCAD required

Building Maintenance Technology I

The Building Maintenance Technology course will focus on all aspects of the construction industry from health and safety to the tools that every construction professional needs in their collection. They will learn about the various roles in the industry as well as job outlooks, educational and experiential requirements, and salary information. Some activities will focus on career exploration to discover career options that best align with interests and talents. Students will learn basic construction math and how it is applied during design and building phases of projects. They will learn specifics about carpentry, construction drawings, framing floor systems, framing walls, and framing roofs. Throughout, they will establish a foundation for what opportunities exist for them in the industry.

Architecture and Construction

Career and Technical Education Course Descriptions

Building Maintenance Technology II

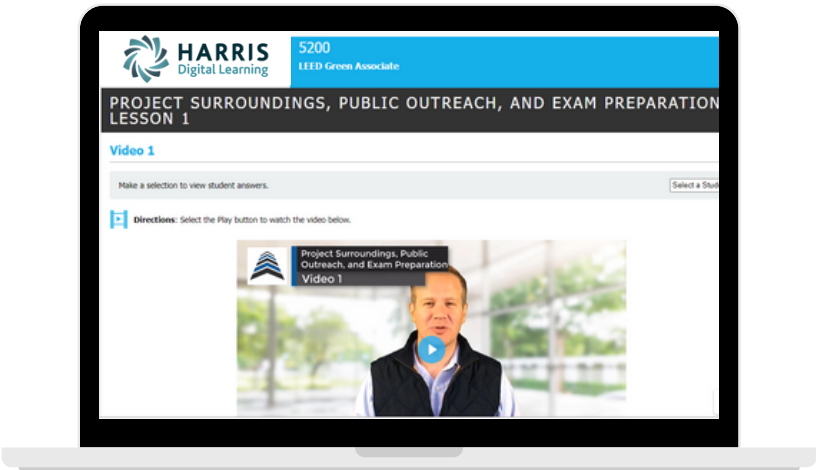
The Building Maintenance Technology II course examines the multi-faceted construction industry. Students will explore contract documents and how each is pertinent to establishing business relationships with designers, clients, and other stakeholders. They will identify what goes into building a successful contract and how estimates, costs, and timeframes are estimated and calculated. Drafting techniques using CAD and BIM technology will also be discussed, specifically pertaining to how these technologies have transformed the building industry. Several logistical components like zoning, property lines, property setbacks, site elevations, calculating materials and labor costs, and establishing construction schedules are critical to the building process. Students will discover the impact of the built environment on the natural environment and how it has evolved over many years. Finally, students will learn about issues related to sustainability and creating more environmentally-friendly practices, procurement, and techniques in the construction industry.

Construction Fundamentals and Careers

This course introduces students to some of the foundational elements of home construction and then does a deep dive into careers, technology, and the future of home construction. It also addresses some of the academic proficiencies that different careers in the field of home construction will have to have. Later in the course, specific careers, career outlooks, and specialized education and training requirements will be covered.
Students will discover the varied roles within the field as well as what it takes to own a construction company. Finally, the course delves into green construction and where the future of construction is headed.

LEED Green Associate

This course introduces students to the LEED process. LEED, or Leadership in Energy and Environmental Design, is the global standard for green building certification. Throughout the course, students will gain an understanding of the various components of green building. The theme of sustainability and sustainable construction is woven throughout each module both in terms of physical environment and as it pertains to LEED certification.



Agriculture, Food & Natural Resources

Career and Technical Education Course Descriptions

Agriscience I

This course will prepare students for careers in agriscience. Agriculture is the world's largest industry, so the critical nature of understanding how agriculture must thrive in unpredictable conditions cannot be overstated. Throughout the modules, students will gain an understanding of some of the fundamental issues in agriscience, including safety, environmental factors such as climate change and extreme weather conditions, plant and animal science, and food safety. Additionally, students will explore how they can emerge as leaders in such a complex and exciting industry!

Agriscience II

In this course, students will explore the various components of agriscience careers and agricultural living. Beginning with career exploration, students will become familiar with the vast array of opportunities that exist in agriscience. They will discover what is necessary for the proper care and management of livestock from keeping living quarters clean to caring for newborn animals. Students will understand the ways in which plants, crops, and vegetation thrive in varying conditions. They will explore the fundamentals of running a successful agriscience operation as well as how agriscience affects and is affected by global economic conditions.

Agriscience III

This course further delves into agriscience as a core global business. Students will explore fundamental business operations and structures as well as financial considerations. Students will understand the nutritional needs of livestock in order for them to be free from disease and be able to thrive in good health. Plants are heavily dependent on proper fertilization, irrigation, and nutrition to prosper. Thus, students will take a comprehensive look at the systems necessary to produce bountiful crops. The course will be rounded out learning about the tools and techniques needed to run an agriscience business and harvest crops.

Arts, A/V Tech & Communication

Career and Technical Education Course Descriptions

Adobe Animate

This course introduces students to Adobe Animate® and prepares them to obtain the Adobe® Certified Professional Certification for Adobe Animate. Students will get an insight into what it is like to work in the animation industry. Over 8 modules, students will learn everything from absolute basics like navigating Adobe Animate to performing complex tasks like applying knowledge of video composition and motion graphic principles. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to work in Adobe Animate.

Course Materials: Adobe v18 or above required

Adobe After Effects

In this course, students will explore the comprehensive Adobe After Effects software. Adobe After Effects is the industry standard for making motion graphics and special effects for presentations, internet content, and video. Both Windows and Mac OS systems can run After Effects, so students will uncover the nuances of working with each. The modules in the course will take students through the creation of a project from defining the audience to organization to publishing their creations.

Course Materials: Adobe v18 or above required

Adobe Illustrator

This course introduces students to Adobe Illustrator and prepares students to take the Adobe Professional Certification for Illustrator. Students will get an insight into what it is like working in the graphic design industry. Students will learn everything from absolute basics like navigating Illustrator to performing complex tasks like managing colors, drawing, creating illustrations, and much more. The course contains guided video tutorials, hands-on projects, and step-by-step resources that help students learn how to work in Illustrator.

Course Materials: Adobe v18 or above required

Arts, A/V Tech & Communication

Career and Technical Education Course Descriptions

Adobe InDesign

This course introduces students to Adobe InDesign and prepares students to take the Adobe Professional Certification for InDesign. Students will get an insight into what it is like working in the print and digital media publishing industry. Over 10 modules, students will learn everything from absolute basics like navigating InDesign to performing complex tasks like creating multi-page documents, applying effects, and even creating original artwork. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to work in InDesign.

Course Materials: Adobe v18 or above required

Adobe Photoshop

This course introduces students to the world of Adobe Photoshop and prepares students to obtain the Adobe Certified Professional Certification for Adobe Photoshop. Students will get an insight into what it is like working in the visual and graphic design industry. Over 11 modules, students will learn everything from absolute basics like navigating Photoshop to performing complex tasks like editing and retouching photos, applying filters and effects, and even creating original artwork. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to work in Photoshop.

Course Materials: Adobe v18 or above required

Adobe Premiere Pro

This course introduces students to the world of Adobe Premiere Pro. Students will get an insight into the video design and production industry. Over 7 modules, students will progress from absolute basics like navigation to performing complex tasks like editing videos, applying filters and effects, and even creating original artwork. The course contains guided tutorials, engaging projects, and great resources that will help students practice and learn how to work in Premiere Pro. This course also prepares students for the Adobe Certified Associate Certification Exam on Premiere Pro.

Course Materials: Adobe v18 or above required

Business Management & Administration

Career and Technical Education Course Descriptions

Communication Skills for Business

Communication is not just about words; it's about understanding, connection, and influence. This comprehensive course is designed to provide students with a solid foundation in essential communication principles. It will equip them with tools and strategies needed to excel in the world of business. This course focuses on basic communication principles, strategizing for effective communication, applying best practices for business deliverables, delivering and receiving communication, and analyzing business communication scenarios. Students will emerge as more effective and persuasive communicators, capable of navigating the complexities of modern business communication with finesse.

Entrepreneurship and Small Business

This course will prepare students for certification in Entrepreneurship and Small Business. The modules are designed to cover all aspects of entrepreneurship including traits of successful entrepreneurs, business management, hiring employees, creating a company culture, managing finances, and marketing products and services. Each module will challenge students to put themselves in the role of an entrepreneur and consider how they will handle the extensive responsibilities of starting a business.

Microsoft Excel

This course introduces students to the world of Microsoft Excel. Students will get an insight into the use of the product within the business setting. Over 8 modules, students will learn everything from absolute basics like navigating Microsoft Excel to performing complex tasks like formulas and functions. This course prepares students for the Microsoft Office Associate Microsoft Excel Certification.

Course Materials: Microsoft 365

Microsoft Outlook

In this course, students will navigate Microsoft Outlook, which is the preferred email client for sending and receiving emails from the Microsoft Exchange Server. Outlook includes access to contact, email, calendar, and task management tools. Microsoft Outlook is a component of Office 365 and the Microsoft Office suite, including Microsoft Excel and PowerPoint. From fundamental processes like adding an account to more complex tasks such as customizing features to better accommodate specific needs, students will explore all that Microsoft Outlook can do.

Course Materials: Microsoft 365

Microsoft PowerPoint

This course introduces students to the world of Microsoft PowerPoint. Students will get an insight into the use of the product within the business setting. Over 11 modules, students will learn everything from absolute basics like navigating Microsoft PowerPoint to performing complex tasks like 3DModels, Animations, and Transitions. This course prepares students for the Microsoft Office Associate Microsoft PowerPoint Certification.

Course Materials: Microsoft 365

Business Management & Administration

Career and Technical Education Course Descriptions

Microsoft Excel Expert

This Microsoft Excel® Expert course teaches students the skills needed to create, manage, and distribute professional spreadsheets for specialized purposes. Students will learn how to customize Excel environments, enhance productivity, and create expert-level workbooks. The course covers various topics such as managing workbook options, formatting and validating data, advanced data management, creating advanced formulas and macros, managing advanced charts and tables, and working with PivotTables. Throughout the course, students will enhance their knowledge and practical skills related to these areas to excel in using Excel for complex tasks and projects.

Course Materials: Microsoft 365

Microsoft Word

This course introduces students to the world of Microsoft word. Students will get an insight into the use of the product within the business setting. Over 11 modules, students will learn everything from absolute basics like navigating Microsoft Word to performing complex tasks like graphic elements and collaboration. This course prepares students for the Microsoft Office Associate Microsoft Word Certification.

Course Materials: Microsoft 365

Microsoft Word Expert

The Microsoft Word Expert course delves into the advanced functionalities of Microsoft Word, empowering participants with comprehensive knowledge and skills to master this essential word-processing tool. Throughout the course, participants will explore intricate features such as advanced formatting, styles, and document automation. By dissecting complex document structures and harnessing the power of macros and templates, participants will gain proficiency in optimizing their workflow and producing professional documents with efficiency. This course is designed for individuals seeking Microsoft Word Expert certification and to elevate their Microsoft Word proficiency, unlocking the full potential of this indispensable application for personal and professional endeavors.

Course Materials: Microsoft 365

Startups and Innovation

Students hear a lot of contradictory advice in life. On one hand, they may hear something like “Follow your dreams. Pursue your passion and the money will come!” On the other hand, they may hear something completely opposite, like “Most startups fail! It’s much safer to get a safe, steady job.” So which side is right? Given the massive changes to the economy and society, the skills of entrepreneurship are going to be critical in building a lasting career. The entrepreneurial mindset of searching for opportunities, creating value, and solving pain points will always be valuable. And this mindset applies not just to starting a business, but in any organization that someone is a part of: school, established companies, or non-profits. In this course, students will explore how to use this mindset to create the next world-class startup.

Finance

Career and Technical Education Course Descriptions

Career Exploration in Finance

This course introduces students to the challenging and lucrative world of finance. While "Wall Street" may still get a bad rap after the 2008 financial crisis, finance careers still remain highly sought after and can be highly rewarding. The course reviews key financial terms and examines various groups, positions, and roles within financial institutions. Students will learn about resumes, interviews, and networking. Students will also discuss ethics on Wall Street and the role of finance within society.

Fundamentals of Bitcoin and Cryptocurrency

In this course, students will learn all about bitcoin, including its history, development, and context within the modern global economy. Students will learn the basic cryptographic principles that underlie bitcoin, and gain confidence by demonstrating strong security principles in storing and transacting bitcoin. Key principles such as mining, wallets, and hashing will be introduced. And finally, they will be familiarized with the nascent industry of digital currencies and how they function.

Intuit Personal Finance

Navigating the intricate world of personal finance can seem daunting, but this course is here to guide students step by step. From understanding big picture topics like goals and risks, to detailed nuances of paystubs, taxes, and credit scores, students will grasp the essentials to kickstart their financial journey. Students will also prepare for their financial future by learning about loans, banking, investing, and much more. Beyond the invaluable financial insights, this course prepares students for the Intuit Personal Finance certification, equipping them to confidently showcase their newfound knowledge.

Personal Finance

The Personal Finance course is intended to prepare students to be successful financial citizens. They will learn their role and responsibilities as a responsible financial planner and saver as well as learn about the services, functions, and products of the financial industry. In addition, they will make informed buying decisions and understand personal taxation, wills, insurance, and contracts. Finally, they will learn about saving and investing as well as consumer credit and loans.

QuickBooks

In this course, students will explore how to start using QuickBooks Online. Learning this widely used accounting software will allow users to contribute to a large company's accounting team, or to use it independently as a small business owner. Students will learn how to complete administrative and accounting functions within QuickBooks. These include basics such as setting up lists, customers and products, to more complex tasks like managing journal entries and creating reports. Additionally, they will learn about the various services and products that can be added. As students learn about the accounting functions, they will discover how to record transactions, expenses, and receipts.

Course Materials: QuickBooks

Education & Training

Career and Technical Education Course Descriptions

Early Childhood Education I

The Early Childhood Education I course is designed to provide an overview of the expectations and roles of the early childhood educator. The course provides details about childhood development, health, nutrition, and guidance strategies to help students understand the exciting and unique opportunities that a career in early childhood education can offer. The course is intended to prepare students for challenges they may face, but to emphasize the rewards of being able to influence the life of a young child. The ability to offer support to children as they learn, and grow is a point that is highlighted throughout each lesson.

Early Childhood Education II

The Early Childhood Education II course is designed to provide an overview of the professional expectations of being an early childhood educator. Throughout the course, students will learn about what it means to be a professional, including the significance of professional development in any educational role. They will review observational methods and the history of education in the United States, with a focus on early childhood and school-age programs. They will spend a significant portion of the course learning about the importance of Developmentally Appropriate Practice ("DAP") and how to implement DAP strategies. Designing physical, social, and temporal environments will also be a major focus of the course, as will developing relationships with families and communities to strengthen their position and knowledge.

Education & Teaching Advanced

This course is designed to prepare future educators for the classroom they will inherit! It starts with a history of education and how blended, adaptive, and personalized learning are coming to the forefront in learning. It then explores new and emerging technologies, along with their current and future impact on education. Throughout the course, students will explore a wide range of career possibilities in the education field and evaluate both the promises and pitfalls of technology in education.

Teaching as a Profession

Teaching can be a highly rewarding profession. Throughout the course, students will explore career opportunities within the field of education. They will learn what it means to be a professional in the classroom, whether it be working alongside co-teachers or managing an inclusive and diverse group of students. Students will learn about the code of conduct expected of educational professionals. Students will explore the history and best practices in the teaching profession as well as professional development opportunities. They will discover what it means to emerge as leaders in the field.

Health Science

Career and Technical Education Course Descriptions

Career Exploration in Dentistry

This course introduces students to the exciting and varied career opportunities in the dentistry profession, from dental assistant all the way up through oral surgeon. Students will review the history of dentistry globally and in the U.S., and will learn key dental terminology. The course will introduce the roles and tasks done as well as skills and education required of nearly every member of the dental staff. Students will gain an understanding of what it takes to perform each position, and how they work together.

Career Exploration in Healthcare

This course introduces students to the exciting and varied career opportunities in the health care industry that will be in demand in their future! The course will introduce the roles and tasks, identify education and skills needed, identify responsibilities of roles which support or supervise their role, analyze legal and ethical responsibilities, limitations, and implications for each of these professions. Get ready. Get set. Learn about the Future of Health Care Careers!

Dental Aide

The Dental Aide course provides a comprehensive overview of the skills, knowledge, and practices required for a successful career in dental assisting. Students will explore the educational and certification requirements for becoming a dental aide, as well as the key duties such as assisting during procedures, preparing treatment rooms, and managing patient records. The course covers important topics like infection control, patient care, and communication in a dental setting, emphasizing the legal and ethical responsibilities involved in the role. Students will learn dental terminology, head and neck anatomy, and how to identify common oral health conditions. Additionally, the course delves into microbiology, disease prevention, and maintaining cleanliness and safety according to CDC and OSHA guidelines. Proficiency in handling dental instruments, equipment, and materials is emphasized, along with basic laboratory procedures. The course also introduces specialty fields like oral surgery, orthodontics, and periodontics, and prepares students for administrative tasks such as appointment scheduling, financial record management, and creating a welcoming office environment. This well-rounded program equips students with the practical and theoretical knowledge needed to succeed in a dental aide role.

Health Science

Career and Technical Education Course Descriptions

Healthcare Management and Information Systems

In this course, students will explore the comprehensive world of healthcare information and management. Throughout the modules, students will learn about the history of the healthcare system as well as the current best practices in the field. They will explore the innovative technologies being developed and applied in patient care and patient privacy. Students will become familiar with the specific terminology utilized within the clinical and information technology systems. Students will investigate the complexities of the business of healthcare including data organization and security considerations. Finally, students will identify the ways in which communication and leadership go hand in hand with a thriving career in healthcare information and management systems.

Health Science Foundations

The Health Science Foundations course provides students with a comprehensive introduction to the diverse and dynamic field of healthcare.Through a series of modules, students will explore key aspects of the healthcare delivery system, including the roles and responsibilities of various healthcare professionals and the importance of teamwork in providing quality patient care. The course emphasizes the development of effective communication skills, both written and verbal, that are essential for interacting with patients and other healthcare workers. Students will also gain an understanding of the legal and ethical responsibilities that come with a career in healthcare, learning about topics such as patient rights, HIPAA, and the handling of medical records. In addition, the course covers essential safety and wellness practices, including disease prevention, infection control, and emergency response procedures. Practical skills such as measuring vital signs, performing basic first aid, and using medical technology are also emphasized. The course is designed to prepare students for potential careers in the health sciences and instill a strong foundation in the principles of patient care and professional conduct.

Introduction to Nursing

In this course, students will explore the comprehensive world of healthcare information and management. Throughout the modules, students will learn about the history of the healthcare system as well as the current best practices in the field. They will explore the innovative technologies being developed and applied in patient care and patient privacy. Students will become familiar with the specific terminology utilized within the clinical and information technology systems. Students will investigate the complexities of the business of healthcare including data organization and security considerations. Finally, students will identify the ways in which communication and leadership go hand in hand with a thriving career in healthcare information and management systems.

Information Technology

Career and Technical Education Course Descriptions

Cybersecurity

In the Cybersecurity course, students will learn about the practice of protecting networks, systems, and programs from digital attacks. They will better understand the aim of these attacks, such as destroying information, extorting money and resources, or disrupting business operations. They will learn about the challenges and opportunities that implementing cybersecurity measures can present. As attackers become more innovative, it is more important than ever to have effective cybersecurity channels in place to counter them. Students will learn about countermeasures and role recovery and their integral function in the cybersecurity realm. Additionally, students will learn what makes certain networks and systems more vulnerable to attacks. They will become adept at identifying potential viruses, worms, threats, and malware. The Cybersecurity course acts as a foundation on which to build extensive knowledge about threats to digital security.

Cybersecurity II

The Cybersecurity II course provides a comprehensive overview of key concepts and practices in cybersecurity. Students will learn to identify and mitigate common threats and vulnerabilities, including malware, ransomware, and social engineering attacks. The course covers critical access management, encryption methods, and network security, with a focus on securing wireless networks, implementing firewalls, and VPN technologies. Participants will also explore endpoint security, vulnerability management, risk assessment, and the principles of disaster recovery and business continuity planning. Additionally, students will gain practical skills in incident handling, digital forensics, and monitoring security events, ensuring they are prepared to respond to cybersecurity incidents and comply with regulatory frameworks.

Digital Information Technology

This course introduces students to the essential digital tools and skills used in today's academic and business environments. Over 8 modules, students will explore a wide range of topics including word processing, spreadsheets, presentation tools, databases, and basic web design using HTML. They will also gain insight into real-world applications such as communication in the workplace, customer service, job preparation, and digital citizenship. The course includes interactive lessons, guided activities, hands-on projects, and valuable resources to help students practice and build confidence using standard business technology and information systems.

Fundamentals of Blockchain and Cryptography

Blockchain seems to be the latest buzzword that the business world is taking about. But what is it? And why should a high school student care? This course will seek to answer those questions. It will strip away the layers of complexity and sophistication to help students understand the key concepts of the blockchain. The course will introduce and discuss applications where blockchain has the greatest potential.

Information Technology

Career and Technical Education Course Descriptions

Java SE8 Associate

This course introduces students to the world of Java SE8. Students will get an insight into the fundamentals of Java programming. Over 9 modules, students will learn everything from absolute basics like learning about Java class, variables, and how to run a Java program, to handling arrays and exceptions. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to program in Java. After completion of this course, students will be prepared to take either the Java SE 8 Oracle Certified Associate (OCA) certification exam or the Information Technology Specialist in Java certification exam.

Course Materials: Java SE8

Networking

The Networking course is intended to identify the key components of Networking in today's fast-moving world. From network fundamentals to automation and programming, students will learn the details of network access, IP connectivity and services, and security fundamentals. Through exciting and engaging interactivities, simulations, and projects students will explore firsthand these networking concepts to further their future with preparation for the Cisco Certified Network Associate (CCNA) exam.

Swift App Development

In this course, students will learn about Swift App development and its components. Apple developed the powerful and user-friendly programming language Swift for creating iOS, Mac, Apple TV, and Apple Watch apps. Developers have more freedom than ever before, and the open-source app allows anyone with an idea to create something incredible. From planning to navigation to building, students will learn how to take an idea and create something potentially revolutionary!

Course Materials: Java SE8

Marketing

Career and Technical Education Course Descriptions

Meta Social Media

This course aims to equip participants with a deep understanding of Meta technologies and their practical applications. The course delves into establishing a robust online presence through effective strategies for audience engagement and fostering business growth. Participants will learn to assess and set ad campaign budgets using Meta Ads Manager, implement structured marketing schedules, and proficiently create and modify Facebook pages. Additionally, participants will gain insights into utilizing Facebook and Instagram business accounts, creative functionalities, and communication tools for effective customer engagement. The course extends its focus to WhatsApp Business accounts, Meta Business Suite, and the strategic integration of advertising goals with business objectives. Throughout the course, students will develop proficiency in utilizing
Meta Ads Manager for audience segmentation, ad placement, and strategic deployment of creative elements. The curriculum also covers Meta Pixel and Conversions API applications, data analysis, and privacy settings across Facebook, Instagram, WhatsApp, and Messenger. With a strong emphasis on compliance, the course addresses common reasons for ad rejection, ensuring participants are well-versed in navigating the evolving landscape of Meta social media platforms.

Social Media Business Marketing

The Social Media Business Marketing course is intended to prepare students to become Social Media Strategists. This course begins with an introduction to Social Media platforms and then goes in depth into the marketing and advertising strategies used to support a business in Business Social Media Marketing. Through activities and projects students will gain firsthand knowledge of this fulfilling field. This course prepares students for the Social Media Strategist certification.

STEM

Career and Technical Education Course Descriptions

Aeronautics and Space Travel

This course introduces students to the history and near future of space travel. Students will explore the possibilities of moon bases, Mars colonies, and visiting the outer planets in our solar system and their moons. Students will also discuss important ethical and legal issues around space exploration, such as asteroid mining and war in space. The course gives an expansive view of the technologies, science, and theories that will make far-fetched dreams into realities during the student's lifetime.

Augmented and Virtual Reality Applications

Separating hype from reality is hard... especially in the fast-growing and evolving space of augmented and virtual reality (AR/VR). Recent advances in technology has allowed AR/VR systems to become extremely sophisticated and realistic. This course introduces students to the technologies that underpin AR/VR systems. Then the course walks through 7 applications of AR/VR and how they will change and impact numerous aspects of our lives and the economy. Students will also learn about and discuss the risks and side effects of these systems, including health, privacy, and ethical implications.

Cloud Technologies and the Internet of Things

First, we had the internet of computers. Then with the advent of email and social media, along with mobile technology, it became the internet of people. Today's world is increasingly becoming the internet of things. With advances in battery power, sensors, and computer chips, more and more devices are being connected to the internet. This will allow them to be monitored, controlled, and used more effectively for people and businesses. This course will examine the trends and opportunities surrounding the Internet of Things (IoT). Students will learn about the technologies, hardware, and software that underpin the Internet of Things. The course will examine a variety of end-market applications in our homes, businesses and cities. Finally, students will learn about the many career opportunities that the Internet of Things will enable.

Introduction to Artificial Intelligence

This course teaches what every student should know about Artificial Intelligence. AI is a fast-moving technology with impacts and implications for both our individual lives and society as a whole. In this course, students will get a basic introduction to the building blocks and components of artificial intelligence, learning about concepts like algorithms, machine learning, and neural networks. Students will also explore how AI is already being used, and evaluate problem areas of AI, such as bias. The course also contains a balanced look at AI's impact on existing jobs, as well as its potential to create new and exciting career fields in the future. Students will leave the course with a solid understanding of what AI is, how it works, areas of caution, and what they can do with the technology.

STEM

Career and Technical Education Course Descriptions

Robotics: Applications and Careers

It seems like many elementary to high school robotics courses are focused on simply coding a Lego robot to move its mechanical arm up and down. This course, in contrast, teaches students what a robot is and how it relates to other key technologies such as artificial intelligence and machine learning. Then the course examines 10 applications of robots and how they will change and impact various aspects of our lives and the economy. Will robots simply steal our jobs, or will they be a tool that will create new opportunities and even free humans to use our creativity and curiosity to their full potential? Students will grapple with this and many other questions as they explore this vital, future-focused subject.

Smart Cities: Technology & Applications

This course will provide students with an overview of smart cities. The course will begin by providing a foundational explanation of what constitutes a smart city and why they are beginning to pop up around the globe. With a firm understanding of what a smart city is, the majority of the course will focus on various aspects of them such as energy, transportation, data, infrastructure, mobility, and IOT devices. The course will conclude with an analysis of careers related to smart cities.

Transportation Technologies

This course introduces students to the newest and most cutting-edge futuristic transportation technologies out there. Students gain familiarity with the history of transportation development and understand a framework with which to evaluate new transportation modes. Then the course dives into 10 different technologies on the horizon. Students examine the technologies, the pros and cons of each mode, and explore potential career paths in these emerging fields.

Wearable Technology Innovations

From hearing aids to pedometers to smart watches, humans have made and worn devices to overcome physical deficiencies, count their steps, and communicate. With the continue miniaturization of chips and sensors, combined with increasing sophistication of artificial intelligence, wearable technology has proliferated into countless end-markets. This course will introduce students to wearable technologies and the components and software that make these technologies possible. The course will also evaluate several applications of wearable technologies in various industries. Finally, the course will examine and discuss the implications of wearable technology, including its pros and cons, and potential implications to our health, privacy, and society.

Additional CTE Electives

Career and Technical Education Course Descriptions

Career Exploration

In this course on Career Exploration, students will learn about various career clusters and their associated pathways. The course consists of 16 modules covering each pathway. Students will research both the national career clusters and explore opportunities within their state. They will learn about the types of places that employ individuals in their respective career pathways, as well as the variety of tasks performed by professionals in those fields. The course covers the skills, abilities, and talents required for success in these careers, along with the level of training and education necessary. Additionally, students will conduct research and create projects on a specific career within each cluster.

Career Exploration & Financial Management

The Career and Financial Management course prepares students to make decisions regarding their life, career, and financial future. Throughout the course, they will investigate a variety of career pathways and determine how to make decisions that will affect their employment opportunities. Students will identify career readiness skills, and how education opens up opportunities for advancement and growth. Through lessons on leadership, communication, and technology, students will better understand the modern workplace. The second half of the course focuses on money management, and includes critical topics such as budgeting, saving, loans and credit, identity protection, investing, insurance, and taxes.

Drones: Remote Pilot

This course prepares students to take the Federal Aviation Administration (FAA) Part 107 exam, also know as the Unmanned Aircraft General – Small (UAG) exam, which is essential to becoming a commercial drone pilot. The field of unmanned aerial vehicles is growing rapidly, as the opportunities to use them for search and rescue, photography, recreation, inspection, and many others continue to multiply. Students will learn the critical facts to prepare for the test's topics, which include: regulations, airspace & requirements, weather, loading & performance, and operations. The course will conclude with a look at the most promising careers in the field of drones.

Additional CTE Electives

Career and Technical Education Course Descriptions

Intuit Design for Delight

The Intuit® Design for Delight course equips students with the skills and principles necessary to create exceptional customer experiences. Learners will delve into core concepts such as Deep Customer Empathy, the Go Broad to Go Narrow principle, and Rapid Experiments with Customers. The course emphasizes understanding customers through observation, identifying their challenges, and defining problem statements. Students will learn to conceptualize the ideal customer state and employ effective brainstorming and narrowing techniques. The course also covers prototyping, experimentation, and the rapid experiment process, guiding learners to identify crucial assumptions, develop strong hypothesis statements, and evaluate the success of your tests. Throughout, students will focus on the relationship between customer problems, solutions, and benefits, ensuring a comprehensive approach to customer delight.

Project Management

The Project Management course is intended to identify the key components of a career as a project manager. Students will review the basics in project management terminology, such as designating distinctions among projects, products, programs, and portfolios. They will delve into concepts like managing deliverables and creating engaging relationships with stakeholders. The primary components of project planning will be laid out and described in detail. Students will explore teams and organizational structures. They will discover project management tools and innovation being used in the industry. Overall, they will develop a greater understanding of the mechanisms that are in place to effectively carry out projects of any size through specific project management techniques.

The History of Gaming and Esports

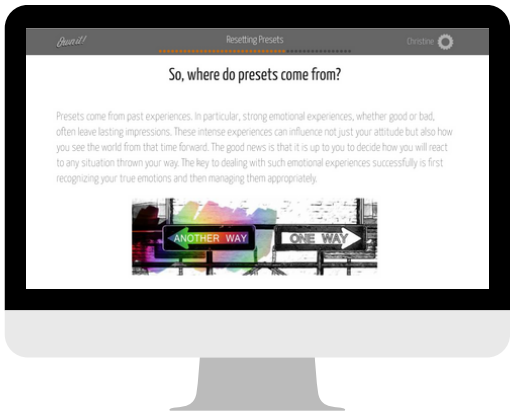
In this course, students will learn about the technologies and design principles that have been the foundation the development of video game technology over the last 50 years. Students will examine and discuss the impact of video games on culture and the economy. Students will learn about the current gaming and e-sports landscape, including strategies and techniques of top teams and individuals. This course will also discuss the risks and dangers of video games and understand how to set appropriate time and content parameters. Finally, the course will identify career paths and opportunities for those who are passionate about gaming.

Social-Emotional Learning

Our Social-Emotional Learning and Soft Skill Development course helps students develop the skills and resiliency to feel better, accomplish more, and create the life they want.

Course Features

Harris Digital Learning partners with Own It!™ to provide an exceptional social-emotional learning course framework. The Own It!™ Youth Empowerment Course provides practical success strategies to help students foster the life skills to build their future and thrive.



Course Design

Using the Own It!™ online course, each student builds a personalized profile report while completing the training units that help them identify their strengths, interests, learning style, career interests, and more. The course is compiled of ten interactive, video-based units in an easy to use interface.

Own It!™ is aligned to the CASEL 5 Framework, the Collaborative for Academic, Social, and Emotional Learning, core SEL Competencies and the guidelines provided through ESSA. The course was built based upon the research of the Gates Foundation, Next Gen Tools; Carnegie Foundation and Dr. Dennis Deaton, and The Ownership Spirit.

SEL and the Student Experience

Own It! moves students to learn at their own pace

Every student has their own strengths and weaknesses. Some may quickly grasp a math concept, but slowly grasp some rules of grammar. Others may soak up science like a sponge, but fail to get history right.

The pace of learning isn't the same for one student all the time, let alone a full classroom of students. Allowing students to learn at their own pace gives them the option of learning more where they excel, and taking more time where they struggle.

When students move at their own pace, this cuts down barriers between students of different skill levels. In traditional classrooms, it is not uncommon for one set of talented students to outpace the others, grow bored, and become distracted. Other students may struggle and give up. They then think of each other as different for that reason. Personalized learning reduces this problem by allowing all students to learn at their own pace.

Sample Student Profile

Own It! intrinsically motivates students to take initiative for their own education

There are two ways to motivate people: intrinsic motivation and extrinsic motivation.

- Extrinsic motivation is when someone is motivated to complete a task for reasons unrelated to the task itself. For example, working an unpleasant job just to get paid is extrinsic motivation.

Intrinsic motivation is when someone is motivated to complete a task simply because they like the task and its results. For example, creating a painting because of the love of the craft is intrinsic motivation.

Students perform best when they are intrinsically motivated. They don't need any extra pushing or prodding. They are willing to go the extra mile to learn something new.

Personalized learning makes students intrinsically motivated to learn. Instead of being told what to learn, they can choose their own path out of a set of options. Because what they choose is personally meaningful to them, they have intrinsic motivation to succeed.

Own It! SEL Course Module Outline

The course is compiled of ten interactive, video-based units in an easy to use interface. Each module focuses on a lesson, objectives and attributes built for students. After completing the entire course, students will have a complete profile to refer to and use in their academic and professional careers.

Module	Module Lesson	Objectives	Attributes
1	Recognize Ownership	• Students will understand what is meant by Ownership Spirit. • Students will be able to identify examples of Ownership Spirit.	Unique Personal Likes
2	Resetting Presets	• Students will understand that mental barriers can keep them from reaching goals. • Students will demonstrate ability to overcome a mental barrier.	Learning Preferences
3	Altering Outcomes	• Students learn that they can change an outcome by changing their thinking. • Students apply that knowledge by changing a perception.	Personal Strengths: Academics
4	Overcoming Barriers	• Students will understand that mental barriers can keep them from reaching goals. • Students will demonstrate ability to overcome a mental barrier.	Introvert/Extrovert Balance
5	Owner/Victim Choice	• Students gain a clear understanding of owner and victim thinking patterns. • Students will recognize the difference in outcomes produced by owner and victim thinking.	Personal Strengths: Recreation
6	Thinking Like an Owner	• Students demonstrate the ability to replace victim thinking with owner thinking.	Personal Strengths: Expression
7	Visioneering: Owning Emotions	• Students will learn to identify emotions and feelings. • Students will learn how to communicate emotions and feelings with others.	My Future Life
8	Destination Thinking	• Students will learn how to use your mind to overcome problems. • Students will learn how to apply visioneering steps to become a stronger, happier person. • Students will learn how to show empathy towards others.	Study Habits
9	Tough-Minded Ownership	• Students will be able to identify and begin to develop the six traits of tough-minded ownership.	Career Interests
10	Being Unstoppable	• Students will review ownership concepts and write final goals. • Students will learn the traits of tough-minded ownership. • Students will review the key principles of Ownership.	Ownership Traits

Dual Enrollment Courses

Harris Digital Learning offers an accredited dual enrollment program for all educators and districts looking to expand their course offerings for students. Dual enrollment programs allow students to earn college credits while still in high school.

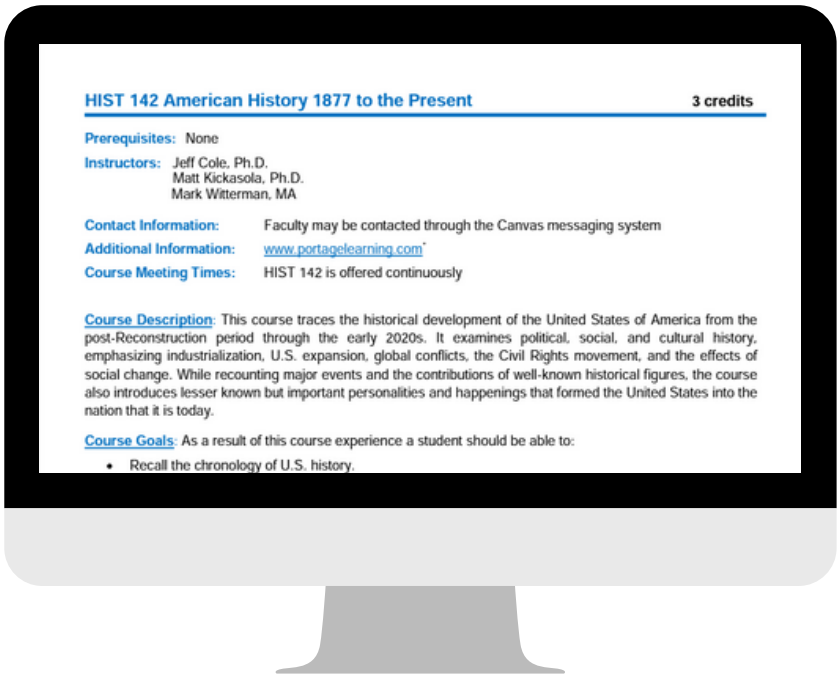
Course Features and Details

Students will experience the rigor and expectations of college-level coursework to prepare themselves for the academic demands of college and give them a competitive edge. By partnering with Harris Digital Learning for dual enrollment, the process is seamless for students, parents, teachers and administrators. Expand your educational opportunities for all students.

Courses offered are 100 or 200 level courses with few or no prerequisites. Students are able to browse a full course list and the corresponding syllabi to find college courses that align with the interests, career plans and academic needs.

Dual Enrollment Benefits

- Bolster college applications and resumes
- Provide engaging and relevant course options
- Reduce time and cost of college degree
- Earn college credit
- Gain experience being a college student
- Understand the expectations of college
- Explore majors or career paths in high school
- Potentially earn an associate degree



Dual Enrollment Courses

Students have the opportunity to select their preferred college-level courses and the corresponding higher education institution. Harris Digital Learning is committed to growing our list of available courses and universities for dual enrollment offerings. Please work with our team to include desired institutions.

Select State Offerings

Arizona	**Pima Community College**
Florida	Sant Leo University Southeastern University
Georgia	LaGrange College
Iowa	Dordt University
Indiana	Indiana Tech Trine University
Massachusetts	Endicott College
Maryland	Community College of Baltimore Co.
Michigan	Baker College

Missouri	**William Woods University**
New York	Hilbert College
Ohio	Franklin University Tiffin University
Pennsylvania	Cedar Crest College Moravian University PA College of Art and Design
Tennessee	Lee University
Virginia	Ferrum College
Texas	Western Texas College Jacksonville College

Sample Course Schedule

Please talk to your Harris Digital Learning representative for a full course list. Students work with advisors to create their course schedule.

Fall 2025	Spring 2026
Probability and Statistics	Business Applications and Technology
Introduction to Art History I	Financial Accounting
Human Anatomy and Physiology I	The Legal System
Introduction to Business	Documentary Film

Course Availability and Scheduling

Course availability depends on the time of year and the teaching institution. Courses are typically offered as either 8- or 16-week sessions. Institutions recommend scheduling as far in advance as possible. Please work with the Harris Digital Learning team to determine the best fit and schedule for students.

Full Course Catalog

Given the fluid nature of college-level courses, all of the Harris Digital Learning Dual Enrollment courses are kept up to date online. Interested parties can access the full catalog: https://bit.ly/de-catalog

Please work with your Harris Digital Learning representative to talk about enrollment, available courses and next steps.

Instructional & Student Support Services

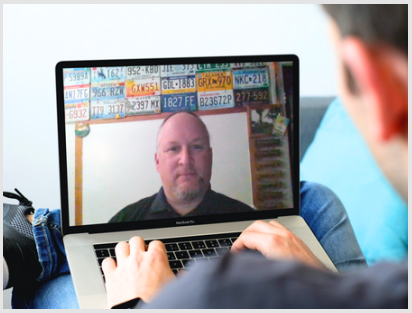
Our certified virtual teachers and advisors provide students with a fully supported learning environment.

Key Offerings

Lighten the load on your in-house instructional staff with our certified and highly qualified online teachers. Offering anything from platform training for your teachers to asynchronous instruction in virtual classrooms, we can structure a plan that meets your needs.

Harris Digital Learning Teachers:

- Provide assessment scoring and personalized feedback for each teacher-graded assignment
- Create academic interventions
- Address all academic inquiries from students and parents
- Follow standardized online teaching practices based on the National Standards for Quality Online Teaching
- Are certified in each state they serve
- Are fully compliant with all laws, policies, and procedures surrounding Special Education modifications and accommodations as well as data confidentiality



Meet Doug Smith, Social Studies Teacher at Harris Digital Learning

"What I like to do at the beginning of a live session is provide some time for students to come in and say hello to each other. I notice the kids who come to live sessions are really looking for that social interaction. They want to be engaged with their peers. So what I have them do is turn on their mics and video at the beginning and give them a couple questions to get them talking."

Our instructional staff are committed to:

- 24 — Responding to messages within 24 hours.
- 72 — Returning grading and feedback for writing and speaking assignments, projects, and labs within 72 hours.
- 48 — Returning grading and feedback for quizzes and exams within 48 hours.
- 24 — Providing response to academic interventions within 24 hours.

Service Level Agreements (SLAs) are based on business days.

Implementation Services

You have a massive amount of data at your finger tips when you use Harris Digital Learning. Our expert consultants will help you maximize the insights gained through reporting to empower learning growth. You can schedule a training workshop for your team to launch an implementation smoothly at the beginning of a semester or work with us for ongoing support. We partner with schools to implement school improvement initiatives, to stand up virtual programs, or to map out blended instructional plans aligned to Harris Digital Learning eCourses®. You can join us for out-of-the-box training workshops or we can customize a professional development plan to meet the needs of your institution.

I love working closely with customers to plan out the best training and implementation schedule for their school's needs. We have a team of educators and administrators partnered together to ensure all needs are met. We are ready to create a solution that sets up students and educators for success.

Alisha Zak, Customer Success Manager

Implementation Sessions Available

New Client Implementation

When a new customer is on-boarded with Harris Digital Learning, a month of implementation, setup, and training requirements is recommended. Full implementation includes:

- Completion of a New Program Questionnaire
- Confirmation of compliance with eSchoolware Technical Requirements
- Creation of new institution in eSchoolware
- Provisioning of staff and student accounts
- Completion of a Course Selector Guide for identifying course sections and teachers
- Product training and support services
- Enrollment support services
- Cyber Essentials for students
- Next steps for continued technical support

Harris Digital Learning eCourses® and eSchoolware™ Product Training

Training for all eSchoolware users includes in person or virtual live sessions with corresponding training guides and materials. Users will have an opportunity to both view demos of functionality and explore in their own demo instances. Sessions include:

- Welcome to Harris Digital Learning eCourses!
- Institution and Student Management in eSchoolware™
- eSchoolware's Teacher Portal
- Advanced eSchoolware Functionality and Reporting
- On-going professional development with program evaluation

eCourses and eSchoolware Training

Implementation Session Descriptions

Welcome to Harris Digital Learning eCourses!

In this session, participants will be introduced to Harris Digital Learning eCourses and the student experience in eSchoolware. Specifically, users will see a demo of courses in Course Player and MyDay, explore the Student Portal including student grade breakdowns, study planners, and attendance information. Users will also get to see samples of communications through Course and School Announcements, the portal Messaging system, and through collaborative eCourse Forums. To further their eSchoolware and eCourses knowledge, participants will be enrolled in the complimentary student onboarding eCourse, Cyber Essentials. This program orientation will both explain navigation of the platform as well as best practices for digital learners. Lastly, users will see a demo of the Parent Portal for eSchoolware, a read-only observer account created specifically for parents and guardians of students taking Harris Digital Learning eCourses.

Institution & Student Management in eSchoolware

This session is intended for school leaders, program liaisons, guidance counselors, or enrollment coordinators who are expected to manage school and student settings in eSchoolware. Users will be exposed to Institution Management including the setup of school calendars and settings, customization of eSchoolware, and use of Teacher Management and Advisor Assignments, if applicable. Then, participants will practice provisioning student accounts complete with student-level demographics, as well as process enrollments with applicable course enrollment settings. Lastly, a demo will be provided of student accounts complete with a variety of student data for exploration and trouble-shooting.

eSchoolware's Teacher Portal

This session will fully train teachers on all feature sets of eSchoolware's Teacher Portal. Teachers will navigate their eCourse content, view course section gradebooks, and course level settings. Teachers will practice communicating with those enrolled in their eCourses through announcements, messages, and forums. Participants will also explore editing their gradebooks for an entire course section, as well as, a single student. A demo will be provided for the process of grading assessments and providing question and assessment level feedback. Lastly, teachers will be exposed to the grade closure and approval process, as well as opportunities to intervene on the student's behalf.

Advanced eSchoolware Functionality and Reporting

In this final product training session, participants will be exposed to eSchoolware's Control Panel and the advanced settings and reporting included in the platform. eSchoolware includes over 200 standard reports which detail student and staff behaviors, performance, and demographic data. This data can be used as stand-alone or viewed through our technology partner's data dashboards user interface. Additionally, users will explore their account settings and practice responding to common student or parent scenarios which require mastery of eSchoolware to troubleshoot. The session will end with a question-and-answer session applicable to all roles and permissions on the platform.

On-going professional development with program evaluation

Professional development is provided to train educators on how to harness the technologies to drive student achievement. The Harris Digital Learning team will empower educators who have completed the professional development to then train their teams, utilizing what they have learned. Teachers will be guided in best practices for differentiating instruction for students and planning instruction to best support students learning virtually. Teachers are trained to access online resources and map them to their curriculum goals and individual student needs. To support the implementation with ongoing program evaluation, we will schedule regular data teams calls and implementation checkpoints quarterly or per-semester based on your preference.

Get started with Harris Digital Learning eCourses® and services today!

To learn more or connect with a team member, scan here:

www.harrisdigitallearning.com