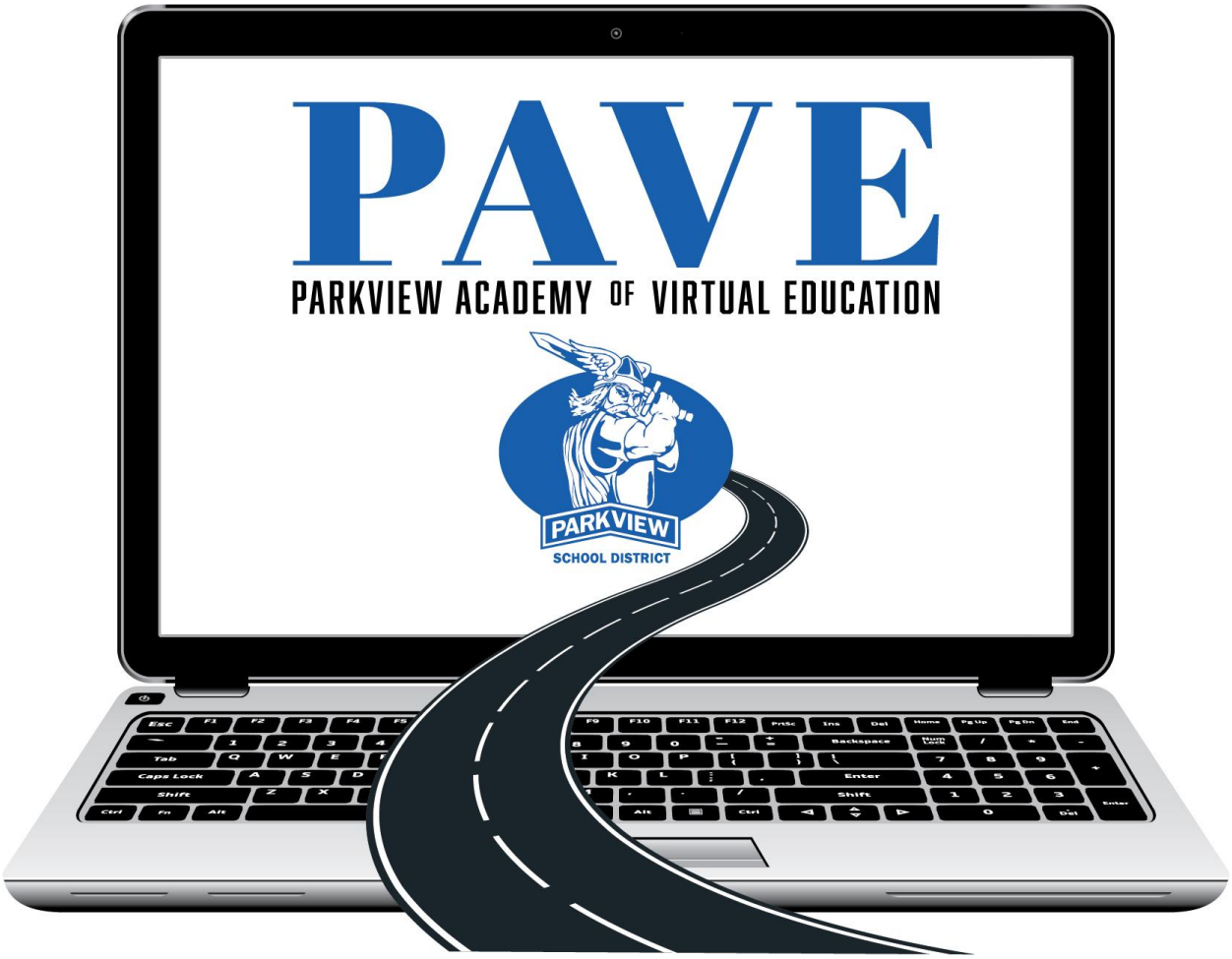
PARKVIEW ACADEMY OF VIRTUAL EDUCATION



High School Course Catalog
2023-2024

AGRICULTURE

Agricultural Mechanics 1

This course provides a thorough introduction to agricultural mechanics, covering fundamental mechanical and engineering theory, common tools and materials, and a wide range of practical applications. The course also covers essential topics such as career opportunities, shop orientation and procedures, woodworking and metal working, tool fitting, project planning, cutting and welding, paints and paint application, power mechanics, electrical wiring,plumbing, hydraulics, concrete and masonry, and agricultural structures.

Topics that can be covered:

- Unit 1: Mechanics in the World of Agriculture
- Unit 2: Career Options in Agricultural Mechanics
- Unit 3: Shop Orientation and Procedures
- Unit 4: Personal Safety in Agricultural Mechanics
- Unit 5: Reducing Hazards in Agricultural Mechanics
- Unit 6: Shop Cleanup and Organization
- Unit 7: Hand Tools, Fasteners, and Hardware
- Unit 8: Layout Tools and Procedures
- Unit 9: Selecting, Cutting, and Shaping Wood
- Unit 10: Fastening Wood
- Unit 11: Finishing Wood
- Unit 12: Identifying, Marking, Cutting, and Bending Metal
- Unit 13: Fastening Metal

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Agricultural Mechanics 2

This is the second section of Agricultural Mechanics. This course provides a thorough introduction to agricultural mechanics, covering fundamental mechanical and engineering theory, common tools and materials, and a wide range of practical applications. The course also covers essential topics such as career opportunities, shop orientation and procedures, woodworking and metalworking, tool fitting, project planning, cutting and welding, paints and paint application, power mechanics, electrical wiring, plumbing, hydraulics, concrete and masonry, and agricultural structures.

Topics that can be covered:

- Unit 1: Portable Power Tools
- Unit 2: Woodworking with Power Machines
- Unit 3: Adjusting and Maintaining Power Woodworking Equipment
- Unit 4: Metalworking with Power Machines
- Unit 5: Sketching and Drawing Projects
- Unit 6: Figuring a Bill of Materials
- Unit 7: Selecting, Planning, and Building a Project
- Unit 8: Repairing and Reconditioning Tools
- Unit 9: Sharpening Tools
- Unit 10: Using Gas Welding Equipment
- Unit 11: Cutting with Oxyfuels and Other Gases
- Unit 12: Brazing and Welding with Oxyacetylene
- Unit 13: Selecting and Using Arc Welding Equipment
- Unit 14: Arc Welding Mild Steel and GMAW/GTAW Welding

Prerequisites: Ag Mechanics 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Agricultural Mechanics 3

This is the third section of Agricultural Mechanics. This course provides a thorough introduction to agricultural mechanics, covering fundamental mechanical and engineering theory, common tools and materials, and a wide range of practical applications.

The course also covers essential topics such as career opportunities, shop orientation and procedures, woodworking and metalworking, tool fitting, project planning, cutting and welding, paints and paint application, power mechanics, electrical wiring, plumbing, hydraulics, concrete and masonry, and agricultural structures.

Topics that can be covered:

• Unit 1: Preparing Wood and Metal for Painting • Unit 2: Selecting and Applying Painting Materials • Unit 3: Fundamentals of Small Engines • Unit 4: Small Engine Maintenance and Repair • Unit 5: Diesel Engines and Tractor Maintenance • Unit 6: Electrical Principles and Wiring Materials • Unit 7: Installing Brach Circuits • Unit 8: Electronics in Agriculture	• Unit 9: Electric Motors, Drives, and Controls • Unit 10: Plumbing • Unit 11: Irrigation Technology • Unit 12: Hydraulic, Pneumatic, and Robotic Power • Unit 13: Concrete and Masonry • Unit 14: Planning and Constructing Agricultural Structures • Unit 15: Aquaculture, Greenhouse, and Hydroponics Structures • Unit 16: Fence Design and Construction

Prerequisites: Ag Mechanics 2 **Course Length:** One Semester **Grade Level:** 10,11,12

Agriscience I: Introduction

The word “agriculture” often evokes images of farms, fields, and livestock, and while all of these representations are correct and essential, the field of agriculture is so much more! In Agriscience I: Introduction, you’ll explore how agriscientists play key roles in improving agriculture, food production, and the conservation of natural resources along with the technologies used to keep the field thriving. Are you ready to explore the diverse careers in agriscience and how you can prepare to positively impact the planet? Let’s get growing!

Topics that can be covered:

• *Unit 1: The Importance of Agriscience* • *Unit 2: Agriscience and the Environment* • *Unit 3: Plant Science* • *Unit 4: The Animal Element* • *Agriscience 1: Introduction Midterm Exam*	• *Unit 5: Animal Biology and Pest Control* • *Unit 6: Technology and Agriscience* • *Unit 7: Careers in Agriscience* • *Unit 8: Agribusiness Management* • *Agriscience 1: Introduction Final Exam*

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Agriscience II

Science and technology are revolutionizing many areas of our lives, and agriculture is no exception! From aquaculture to genetic engineering, agriscience is finding new ways to better produce and manage plants, from the field to the garden. In this course, you’ll build on your existing knowledge of plant science and delve deeper into important areas such as soil science and weed management. You’ll learn more about horticulture and plant science trends from creating hybrid species to growing edible plants in unlikely places.

Topics that can be covered:

• Introduction to Horticulture and Plant Science • Identifying and Classifying Plants • Plant Growth, Propagation and Development • Soil Science	• Irrigation and Watering • Fertilizer and Pest Management • Landscape Science • Plant Management

Prerequisites: Agriscience 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Livestock and Poultry Production 1

This course covers basic animal science and livestock industry information as well as current issues in animal agriculture. The course includes information students need to know about livestock and poultry animals for classroom study and beyond. The course will provide students with a solid understanding of the anatomy, physiology, nutrition, feeding, and reproduction of multiple livestock and poultry breeds.

Topics that can be covered:

- Unit 1: Domestication and Importance of Livestock
- Unit 2: Career Opportunities in Animal Science
- Unit 3: Safety in Livestock Production
- Unit 4: Livestock and the Environment
- Unit 5: Anatomy, Physiology, and Absorption of Nutrients
- Unit 6: Feed Nutrients
- Unit 7: Feed Additives and Growth Promotants
- Unit 8: Balancing Rations
- Unit 9: Genetics of Animal Breeding
- Unit 10: Animal Reproduction
- Unit 11: Biotechnology in Livestock Production
- Unit 12: Animal Breeding Systems
- Unit 13: Breeds of Beef Cattle
- Unit 14; Selection and Judging of Beef Cattle
- Unit 15: Feeding and Management of the Cow-Calf Herd

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Livestock and Poultry Production 2

This is the second section of Livestock and Poultry Production. This course covers basic animal science and livestock industry information as well as current issues in animal agriculture. The course includes information students need to know about livestock and poultry animals for classroom study and beyond. The course will provide students with a solid understanding of the anatomy, physiology, nutrition, feeding, and reproduction of multiple livestock and poultry breeds.

Topics that can be covered:

- Unit 1: Diseases and Parasites of Beef Cattle
- Unit 2: Beef Cattle Housing and Equipment
- Unit 3: Marketing Beef Cattle
- Unit 4: Breeds of Swine
- Unit 5: Selection and Judging of Swine
- Unit 6: Feeding and Management of Swine
- Unit 7: Diseases and Parasites of Swine
- Unit 8: Swine Housing and Equipment
- Unit 9: Marketing Swine
- Unit 10: Breeds and Selection of Sheep
- Unit 11: Feeding, Management, and Housing of Sheep
- Unit 12: Breeds, Selection, Feeding, and Management of Goats
- Unit 13: Diseases and Parasites of Sheep and Goats
- Unit 14: Marketing Sheep, Goats, Wool, and Mohair
- Unit 15: Selection of Horses
- Unit 16: Feeding, Management, House, and Tack

Prerequisites: Livestock & Poultry 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Livestock and Poultry Production 3

This is the third semester of Livestock and Poultry Production. This course covers basic animal science and livestock industry information as well as current issues in animal agriculture. The course includes information students need to know about livestock and poultry animals for classroom study and beyond. The course will provide students with a solid understanding of the anatomy, physiology, nutrition, feeding, and reproduction of multiple livestock and poultry breeds.

Topics that can be covered:

- Unit 1: Diseases and Parasites of Horses
- Unit 2: Training and Horsemanship
- Unit 3: Selection of Poultry
- Unit 4: Feeding, Management, Housing, and Equipment
- Unit 5: Diseases and Parasites of Poultry
- Unit 6: Marketing Poultry and Eggs
- Unit 7: Breeds of Dairy Cattle
- Unit 8: Selecting and Judging Dairy Cattle
- Unit 9: Feeding Dairy Cattle
- Unit 10: Management of the Dairy Herd
- Unit 11: Milking Management
- Unit 12: Dairy Herd Health
- Unit 13: Dairy Housing and Equipment
- Unit 14: Marketing Milk
- Unit 15: Rabbits
- Unit 16: Bison, Ratites, Llamas, Alpacas, and Elk

Prerequisites: Livestock & Poultry 1 & 2 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Veterinary Science

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases affect not only the animals around us, but at times, us humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues are studied and applied.

Topics that can be covered:

• Unit 1: Introduction to Veterinary Science • Unit 2: Small Animal Medicine • Unit 3: Large Animal Medicine • Unit 4: Exotic Animal Medicine • Veterinary Science Midterm Exam	• Unit 5: Poisoning & Toxicology • Unit 6: Veterinary Parasitology • Unit 7: Zoonotic Diseases • Unit 8: Holistic Veterinary Science & Medicine • Veterinary Science Final Exam

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Wildlife, Fisheries & Ecology Management 1

This course provides a comprehensive introduction to the science of ecology and principles of habitat conservation and wildlife management including common environmental laws and regulations, the North American model of wildlife conservation, and population ecology. In addition to introducing these topics in general, this course examines wildlife and habitat management within the context of various habitats, such as forests, wetlands, and grasslands. The program consists of online instruction, interactive assessments, related projects, and supplementary laboratory exercises.

Topics that can be covered:

• Science of Ecology • Ecology Principles • Environmental Laws and regulations • Habitat Management • North American Model of Wildlife Conservation	• Population Ecology • Wildelife Management

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Wildlife, Fisheries & Ecology Management 2

This course examines specific concepts related to maintaining healthy animal populations, such as aquatic plant and animal identification and nutrition, identification of waterfowl, wildlife diseases and parasites, common hunting, fishing, and land use regulations, and aquaculture. It also examines wildlife and habitat management in arid lands. The program consists of online instruction, interactive assessments, and related projects.

Topics that can be covered:

• Healthy Animal Populations • Plant and Animal Identification • Hunting & Fishing Regualtions • Land Use Regulations • Aquaculture	• Wildlife Management • Habitat Management

Prerequisites: Wildlife, Fisheries, & Ecology 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Principles of Agriculture, Food & Natural Resources

Food has to travel from the farm to the table, and in Principles of Agriculture, Food, and Natural Resources, you will learn about all of the steps in that journey, beginning with the history of agriculture through animal husbandry, plant science, and managing our use of natural resources. In this course, you will receive a broad understanding of the subject matter, preparing you for future hands-on learning, participation in Future Farmers of America, and supervised agricultural experiences.

Topics that can be covered:

- Unit 1: Careers in Agriculture, Food, and Natural Resources
- Unit 2: Leadership, Ethics, & Work Habits
- Unit 3: Agriculture, Food, & Natural Resources in Context
- Unit 4: Record-keeping & Information Technology
- Unit 5: Plant Structures & Systems
- Unit 6: Understanding Animal Science
- Unit 7: Food Processing & Production
- Unit 8: Power, Structural, & Technical Systems
- Unit 9: Natural Resources Today
- Unit 10: Agriculture & the Environment

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Introduction to Forestry & Natural Resources

Forests and other natural resources play an important role in our world, from providing lumber and paper products to providing habitat for birds and animals. In the Introduction to Forestry and Natural Resources course, you'll learn more about forest ecology, management, and conservation. You'll explore topics such as environmental policy, land use, water resources, and wildlife management. Finally, you'll learn more about forestry related careers and important issues facing forestry professionals today.

Topics that can be covered:

- Unit 1: What Is Forestry?
- Unit 2: All about Ecosystems
- Unit 3: Measuring and Monitoring the Forest
- Unit 4: Forest Management Basics
- Unit 5: Working with Wood
- Unit 6: Getting the Lay of the Land
- Unit 7: Ethics, Ecology, and Safety
- Unit 8: Professional Skills in Forestry

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Food Technology

This course is designed to enable students to explore the food technology industry. The course covers food preservation, packaging, and quality factors that contribute to the sustainability of the industry. In addition, the course covers how seafood, poultry, dairy, fruits and nuts, and vegetables are produced, classified, and graded to meet required guidelines. The role value-added and specialty products play in the retail market, as well as food math and measurements are also discussed.

Topics that can be covered:

- Unit 1: Farm to Plate
- Unit 2: The Science in Food Preservation
- Unit 3: Food Packaging Options & Guidelines
- Unit 4: Food Quality & Palatability Factors
- Unit 5: Livestock harvest & Red Meat Production
- Unit 6: livestock Producation & Red Meat Grading
- Unit 7: Grades & Classes of Seafood & Fish
- Unit 8: Poultry Products Production
- Unit 9: Diary Products Production
- Unit 10: Fruit & Nut Production
- Unit 11: Vegetable Production
- Unit 12: Value Added & Speciality Products
- Unit 13: Food Math & Measurements

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

ART

Fine Art

This course combines art history, appreciation, and analysis, while engaging students in hands-on creative projects. Lessons introduce major periods and movements in art history while focusing on masterworks and the intellectual, technical, and creative processes behind those works. Studio lessons provide opportunities for drawing, painting, sculpting, and other creative endeavors.

Topics that can be covered:

• Unit 1: Understanding Art • Unit 2: Studio: Understanding Art • Unit 3: Art of Ancient Times • Unit 4: Studio: Art of Ancient Times • Unit 5: Perspectives in Design from Many Cultures • Unit 6: Studio: Perspectives in Design from Many Cultures • Unit 7: The Renaissance • Unit 8: Studio: The Renaissance • Unit 9: Semester Review and Test	• Unit 1: From Baroque to Romantic • Unit 2: Studio: From Baroque to Romantic • Unit 3: From Realism to Post-Impressionism • Unit 4: Studio: From Realism to Post-Impressionism • Unit 5: Modern Times • Unit 6: Studio: Modern Times • Unit 7: Semester Review and Test

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

Art in World Cultures

Students learn about some of the greatest artists while also creating art of their own, including digital art. The course explores the basic principles and elements of art, how to critique art, and how to examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.

Topics that can be covered:

• Unit 1: Introduction to the Visual Arts • Unit 2: The Elements and Principles of Art • Unit 3 Critiquing Art • Unit 4: Prehistoric Art • Unit 5: Ancient Art • Unit 6: Ancient Roman, Early Christian, and Medieval Art	• Unit 7: The Renaissance • Unit 8: Art of the Americas • Unit 9: From the Baroque to the Romantics • Unit 10: Modern Art • Unit 11: African Art • Unit 12: Oceanic Art

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Art Appreciation

This one-semester course will introduce learners to the various forms of the visual arts, such as painting, sculpture, film, and more. Students will learn how to look at a work of art, identify and compare key characteristics in artworks, and understand the role art has played throughout history. Through hands-on activities, virtual museum tours, discussion, and research, learners will develop an overall appreciation for the art they encounter in their daily lives.

Topics that can be covered:

• Unit 1: Introduction • Unit 2: Technical Aspects of Art • Unit 3: 2D Art • Unit 4: 3D Art	• Unit 5: Architecture&Design • Unit 6: Camera Arts • Unit 7: Semester Exam

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

AP® Art History

AP® Art History is two semesters long with 180 days of instruction. Each lesson is designed as a 45-minute block of learning time. Every unit is planned to represent at least one of the 10 content areas required by the College Board. A pacing guide is provided to instructors to explain which works of art should be included in each unit, with some flexibility allowed. Students explore a wide range of art, from the earliest works made by prehistoric ancestors in caves to the soaring cathedrals of the Gothic era and beyond. As they study painting, sculpture, architecture, and other artwork across cultures, students acquire tools for careful observation and analysis of visual expression. This course provides opportunities for students to practice new visual vocabulary and concepts through engaging discussions, relevant research, and reports about museum experiences. Course learning objectives and enduring understanding statements that support the three big ideas for AP Art History are integrated into each unit. Instructional activities build student skills to ensure that they master the essential knowledge statements. Students will build on these foundations as they explore works of art, scholarly resources, primary and secondary source documents, videos, museums, and virtual museum visits.

Topics that can be covered:

• AREA 1: Global Prehistory, 30,000–500 B.C.E. • AREA 2: Ancient Mediterranean, 3500 B.C.E.–300 C.E. • AREA 3: Early Europe and Colonial Americas, 200–1750 C.E. • AREA 7: West and Central Asia, 500 B.C.E.–1980 C.E. • AREA 3: Early Europe and Colonial Americas, 200–1750 C.E.	• AREA 8: South, East, and Southeast Asia, 300 B.C.E.–1980 C.E. • AREA 5: Indigenous Americas, 1000 B.C.E.–1980 C.E. • AREA 6: Africa, 1100–1980 C.E. • AREA 3: Early Europe and Colonial Americas, 200–1750 C.E. • AREA 4: Later Europe and Americas, 1750–1980 C.E. • AREA 10: Global Contemporary, 1980 C.E.–Present • AREA 8: South, East, and Southeast Asia, 300 B.C.E.–1980 C.E. • AREA 5: Indigenous Americas, 1000 B.C.E.–1980 C.E. • AREA 9: The Pacific, 700–1980 C.E. • AREA 6: Africa, 1100–1980 C.E.

Prerequisites: There are no specific prerequisites for this AP® Art History course. Interested students who have demonstrated success in humanities courses, such as history and literature, or in studio art courses are encouraged to participate.

Course Length: Year **Grade Level:** 11,12

Digital Arts 1

In this exploratory course, students learn the elements and principles of design as well as foundational concepts of visual communication. While surveying a variety of media and art, students use image editing, animation, and digital drawing to put into practice the art principles they've learned. They explore career opportunities in the design, production, display, and presentation of digital artwork. They respond to the artwork of others and learn how to combine artistic elements to create finished pieces that effectively communicate their ideas.

Topics that can be covered:

• Unit 1: Using Your Hardware and Software	• Unit 2: Introduction to Digital Art

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Digital Arts 2

Students build on the skills and concepts they learned in Digital Arts I as they develop their vocabulary of digital design elements. By the end of the course, they will have created a collection of digital art projects for their digital design portfolio.

Topics that can be covered:

- 1) Using Your Hardware and Software
- 2) Digital Arts 1 Review
- 3) Repetition and Pattern
- 4) Contrast
- 5) Variety
- 6) Movement and Rhythm
- 7) Proportion
- 8) Balance
- 9) Emphasis and Dominance
- 10) Harmony and Unity
- 11) Final Project

Prerequisites: Digital Arts 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Digital Photography 1

Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer.

Topics that can be covered:

- Unit 1: Taking The First Shot
- Unit 2: Moving Into Manual
- Unit 3: A Snapshot of History
- Unit 4: The Nature of Light
- Digital Photography I Midterm Exam
- Unit 5: Creative Composition
- Unit 6: Producing Great Images
- Unit 7: Manipulation and Management
- Unit 8: Presenting Your Work
- Digital Photography I Final Exam

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Digital Photography 2

Building on the prior prerequisite course, further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring your photos to life. Using this knowledge, build a portfolio of your work to pursue a career in this field!

Topics that can be covered:

- Unit 1: Photojournalism: Real Life in Pictures
- Unit 2: Context is Everything: Style and Genre
- Unit 3: There's an App for That
- Unit 4: Words and Pictures: Composing Meaning
- Digital Photography 2 Midterm Exam
- Unit 5: Don't Listen to the Haters: Productive Critique
- Unit 6: Finding Your Peeps: Photography and Community
- Unit 7: Portfolios and Professionalism
- Unit 8: Presenting Your Portfolio
- Digital Photography 2 Final Exam

Prerequisites: Digital Photography 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Digital Photography 3

We are surrounded by images; in advertisements, on websites, in magazines, and on billboards. Learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own. Examine various aspects of the photography field including specialty areas, ethics, and famous photographers throughout history.

Topics that can be covered:

• Unit 1: Photography as a Career • Unit 2: Legal and Ethical Concerns • Unit 3: Photographers and Critiques • Unit 4: Photography Software • Digital Photography 3 Midterm Exam	• Unit 5: The Darkroom • Unit 6: Art, Product, and Stock Photography • Unit 7: Photojournalism • Unit 8: Wedding Photography • Digital Photography 3 Final Exam

Prerequisites: Digital Photography 2 **Course Length:** Year **Grade Level:** 10,11,12

Image Design and Editing

This introductory design course is for students who want to create compelling, professional-looking graphic designs and photos. Students learn the basics of composition, color, and layout through the use of hands-on projects that allow them to use their creativity while developing important foundational skills. They use GIMP software to create a graphic design portfolio with a wide variety of projects involving the mastery of technical topics, such as working with layers and masks, adding special effects, and effectively using typefaces to create visual impact. The projects help students develop the skills they need to create and edit images of their own.

Topics that can be covered:

• Unit 1: Using your Hardware and Software • Unit 2: Working with GIMP • Unit 3: Working with Digital Images • Unit 4: Cropping and Coloring Photos • Unit 5: Tracing Photos • Unit 6: Drawing • Unit 7: Using Filters • Unit 8: Arranging Images	• Unit 9: Layering Images • Unit 10: Masking Images • Unit 11: Selection Skills • Unit 12: Word Graphics • Unit 13: Enhancing Images • Unit 14: Adding Effects • Unit 15: Reflecting Images • Unit 16: Professionalism

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

3D Modeling 1

Heart valves, cars, cartoons, and buildings may not seem to have much in common, but they all share one spectacular attribute: all originated as a 3D model. 3D modeling has changed the way the world makes things, in this course, you'll learn the basics to begin creating in 3D! You'll learn how different 3D models are built and how to practice using a variety of modeling methods. By the end of the course, you'll walk away with a portfolio of your ingenious modeling ideas. 3D modeling is an essential part of the modern world and soon, you'll be able to contribute yourself!

Topics that can be covered:

• Unit 1: Joining the Modeling Studio • Unit 2: Tools of the Trade • Unit 3: Basic Modeling Techniques • Unit 4: NURBS, Curves, and Surfaces	• Unit 5: Polygon Modeling • Unit 6: Modifying a Mesh • Unit 7: Additional Modeling Techniques • Unit 8: Putting It All Together

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

3D Modeling 2

Many buildings that are rendered in the real world first are constructed in a digital 3D world that depicts the aesthetics, environment, and conditions of what will come to be. In this course, you will be introduced to the tools and techniques needed to create works of 3D art. You will bring your objects to life with color, textures, lighting, and shadow all while simulating the movement of the world around. Are you ready to bring beautiful objects to life in a 3D world? Let's get started today!

Topics that can be covered:

• Unit 1: The 3D Industry and Production Process • Unit 2: Surfaces, Shadows, and Lighting • Unit 3: Adding Materials and Textures • Unit 4: Camera and Rendering	• Unit 5: Rigging and Animation • Unit 6: Environmental and Mathematical Modeling • Unit 7: Quick Effects and Animation Editors • Unit 8: Heavyweight Champ

Prerequisites: 3D Modeling 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Digital Media: Introduction

Discover your talent for building digital media applications using text, graphics, animations, sounds, videos, and more! Learn about the elements that make impressive media, such as typography, color theory, design, and manipulation. Explore careers to apply your digital media skills and find your place in this fast paced and exciting field!

Topics that can be covered:

• Unit 1: Digital Media: Current Issues & Careers • Unit 2: A Picture's worth a Thousand Words: Introduction to Digital Images • Unit 3: Creating Digital Images: Photographs and Graphic Images • Unit 4: Editing and Distributing Digital Images	• Unit 5: Creating Animations • Unit 6: Digital Video—Pre-Production • Unit 7: Digital Video: Production and Post-Production • Unit 8: Putting it All Together: Multimedia Presentations

Prerequisites: None **Course Length**: One Semester **Grade Level:** 9,10,11,12

Digital Media 2: Producing for the Web

Let's polish your digital media skills and help you learn all about web design. Incorporate your creative ideas into websites and discover the basics of marketing to understand how your work can be used effectively. You'll also explore the world of podcasts and audio editing to construct a solid foundation from which you can pursue a career in this exciting field.

Topics that can be covered:

• Unit 1: The Net and the Web • Unit 2: Connecting with Your Web Audience • Unit 3: Digital Rights, Ethics, and Security • Unit 4: Creating and Editing Digital Audio	• Unit 5: Digital Media Equipment: Best Practices • Unit 6: Creating and Editing a Podcast • Unit 7: Planning and Designing a Website • Unit 8: Putting It into Practice: Create a Microsite

Prerequisites: Intro to Digital Media **Course Length:** One Semester **Grade Level:** 10,11,12

BUSINESS

Accounting 1

This is the first semester of a two semester course. The course teaches accounting while placing emphasis on conceptual understanding and financial statement analysis to encourage students to apply accounting concepts to real world situations and make informed business decisions.

Topics include transactions and methods of accounting for both service and merchandising businesses. Accounting 1 prepares students for the NOCTI Accounting-Basic credential.

Topics that can be covered:

- Unit 1: Get Started
- Unit 2: Accounting and Business
- Unit 3: Analyzing Accounting Transactions
- Unit 4: Journaling Transactions
- Unit 5: Cash Control and Banking Activities
- Unit 6: Journaling for a Merchandising Business
- Unit 7: Payroll Accounting
- Unit 8: Midterm Exam
- Unit 9: General Ledger
- Unit 10: Subsidiary Ledger
- Unit 11: Accounting Worksheets
- Unit 12: Financial Statements
- Unit 13: Adjusting and Closing Entries
- Unit 14: Accounting as a Career
- Unit 15: Final Project

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Accounting 2

This is the second semester of a two semester course. The course continues to teach accounting while placing emphasis on conceptual understanding and financial statement analysis to encourage students to apply accounting concepts to real world situations and make informed business decisions. Topics include transactions and methods of accounting for both service and merchandising businesses. Accounting 2 prepares students for the NOCTI Accounting-Advanced credential.

Topics that can be covered:

- Unit 1: Get Started
- Unit 2: Accounting for a Corporation
- Unit 3: Funding a Corporation
- Unit 4: Corporations and Special Journals
- Unit 5: Asset Losses and Expenses for Corporations
- Unit 6: Merchandise Inventory
- Unit 7: Accounting for Loans, Revenues, and Expenses
- Unit 8: Midterm Exam
- Unit 9: End of Fiscal Period for a Corporation
- Unit 10: Management Accounting
- Unit 11: Management Decisions
- Unit 12: Analyzing Financial Statements
- Unit 13: Cost Accounting
- Unit 14: Not-for-Profit Accounting
- Unit 15: Final Project

Prerequisites: Accounting 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Introduction to Business Communication

No matter what career you're planning to pursue, excellent professional communication will be key to your success. Upgrade your abilities in speaking, listening, writing, using and reading body language, and communicating in teams and groups. Discover how to plan, create, and deliver business presentations and communicate through graphics. In no time, you'll be communicating with confidence, stand out from your peers, and impress your employer.

Topics that can be covered:

- Unit 1: Get Started
- Unit 2: Accounting for a Corporation
- Unit 3: Funding a Corporation
- Unit 4: Corporations and Special Journals
- Unit 5: Asset Losses and Expenses for Corporations
- Unit 6: Merchandise Inventory
- Unit 7: Accounting for Loans, Revenues, and Expenses
- Unit 8: Midterm Exam
- Unit 9: End of Fiscal Period for a Corporation
- Unit 10: Management Accounting
- Unit 11: Management Decisions
- Unit 12: Analyzing Financial Statements
- Unit 13: Cost Accounting
- Unit 14: Not-for-Profit Accounting
- Unit 15: Final Project

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Business Communications 2

You've learned your audience, found your voice, and can read the body's unspoken words. Now, it's time to limber up those fingers and learn the P's and Q's of communicating in a business setting. In this course, you're going to take the basic writing skills you've developed and revise them so you can take new approaches to planning, building, and distributing documents for a business audience. You'll continue to explore the essentials of writing while drafting new understandings of business documents, and then you'll learn to apply your business communication skills to job applications, interviews, and presentations. No matter your career of choice, learning to effectively communicate will help your professionalism grow leaps and bounds. Let's get writing!

Topics that can be covered:

- Unit 1: Writing in the Business World
- Unit 2: Research Strategies
- Unit 3: Building Blocks of Effective Documents
- Unit 4: Mastering the Writing Process
- Unit 5: Crafting Different Business Genres
- Unit 6: Avoiding Grammar Glitches
- Unit 7: Proper Punctuation and Mechanics
- Unit 8: Selling Yourself Through Resumes and Cover Letters

Prerequisites: Intro to Business Communications **Course Length:** One Semester **Grade Level:** 9,10,11,12

Introduction to Business Information Management

This course is designed to enable students to develop information management skills that can be used in careers in business organizations. The course covers in depth computing technologies such as working with documents, spreadsheets, presentations, databases, e-mail, and scheduling software. In addition, the course covers important essential skills such as written communication, verbal communication, problem solving, teamwork, and professionalism.

Topics that can be covered:

- Unit 1: The Basics of Business
- Unit 2: The Finances of Business
- Unit 3: Marketing and Sales
- Unit 4: Ethics and Business Law
- Unit 5: Computer Hardware
- Unit 6: The Internet and Business
- Unit 7: Web Design and Business
- Unit 8: Operating Systems and File Management

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

Business Information Management: Data Essentials

Now that you have the basics of business down from the previous course, it's time to become better acquainted with the application of information management in business. Learn about professional conduct, teamwork, and managerial skills, while also examining careers in business technology. The basics of word processing, spreadsheets, databases, and presentation software are also explored so that you become better prepared for jobs in this field.

Topics that can be covered:

- Unit 1: Workplace Communication and Business
- Unit 2: Communicating by Email
- Unit 3: Word Documents in Business Communication
- Unit 4: Communicating Using Spreadsheets
- Unit 5: Creating and Using Databases in Business
- Unit 6: Communicating Using Slide Presentations
- Unit 7: Careers, Businesses, and Organizations
- Unit 8: The Future of Business Technology

Prerequisites: Intro to Business Info Management **Course Length:** One Semester **Grade Level:** 9,10,11,12

International Business

From geography to culture, global business is an exciting topic in the business community today. This course helps students develop the appreciation, knowledge, skills, and abilities needed to live and work in the global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected. The course further provides students a conceptual tool by which to understand how economic, social, cultural, political, and legal factors influence both domestic and cross border business.

Students explore business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations. They also cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in twenty-first-century business activities.

Topics that can be covered:

• Unit 1: Introduction to Global Commerce • Unit 2: International Finance • Unit 3: Regional Integration • Unit 4: Trade Relations	• Unit 5: International Legal Agreements • Unit 6: Cultural Influences • Unit 7: Global Organizations • Unit 8: Global Logistics and Marketing

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Business Ownership 1

Do you dream of a future where you can have creative freedom, working in an industry you love, where you can get up every morning excited about the day it will bring? In this course, you'll learn the skills you'll need in order to take your dream and transform it into a successful business. You'll explore foundations like generating ideas to qualifying opportunities, analyzing the market, and identifying skills for successful deployment. You'll learn to keep your business rolling and growing through effective workplace leadership and training while incorporating technological innovations to keep your business competitive. Are you ready to turn your dreams into reality? Let's get goaling!

Topics that can be covered:

• Unit 1: The Entrepreneur and Small Business Ownership • Unit 2: From Business Idea to Opportunity • Unit 3: Business Formation • Unit 4: Navigating Laws and Regulations	• Unit 5: Business Management and Leadership • Unit 6: People and the Organization • Unit 7: Technology and Business • Unit 8: Business Growth

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Business Ownership 2

Do you dream of a future where you can have creative freedom, working in an industry you love, where you can get up every morning excited about the day it will bring? In this course, you'll learn the skills you'll need in order to take your dream and transform it into a successful business. You'll explore foundations like generating ideas to qualifying opportunities, analyzing the market, and identifying skills for successful deployment. You'll learn to keep your business rolling and growing through effective workplace leadership and training while incorporating technological innovations to keep your business competitive. Are you ready to turn your dreams into reality? Let's get goaling!

Topics that can be covered:

• Unit 1: Marketing to Customers • Unit 2: Products and Research • Unit 3: Pricing and Distribution • Unit 4: Promoting the Business	• Unit 5: Selling and Customer Service • Unit 6: Financial Needs and Projections • Unit 7: Financial Operations and Risk • Unit 8: Operational Business Planning

Prerequisites: Business Ownership 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Entrepreneurship 1

In this introductory business course, students learn the basics of planning and launching their own successful business. Whether they want to start their own money making business or create a non-profit to help others, this course helps students develop the core skills they need to be successful. They learn how to develop new business ideas, attract investors, market their business, and manage expenses.

Topics that can be covered:

• Unit: Course Overview • Unit: The Role of the Entrepreneur • Unit: Entrepreneurship • Unit: Economic Principles	• Unit: Business Ideas and Opportunities • Unit: Marketing Basics • Unit: Promoting Your Company • Unit: Final Project

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Entrepreneurship 2

Students build on the business concepts they learned in Entrepreneurship I. Students continue to explore the different functions of business, while refining their technology and communication skills in speaking, writing, networking, negotiating, and listening. The purpose of this course is to prepare students to launch a small business venture.

Topics that can be covered:

No Information Available Currently	No Information Available Currently

Prerequisites: Entrepreneurship I **Course Length:** One Semester **Grade Level:** 9,10,11,12

Introductory Finance

Understanding financial management concepts is an important life skill. From credit to insurance to taxes, it is imperative that students understand the consequences of their choices. Wisely managing their money, students become citizens that are more responsible. A thorough understanding of financial concepts, with practical application through activities and projects, will enable students to leave this course with applicable, useful skills for life. This course surveys the basic personal financial needs of most individuals and emphasizes the basics of budgeting, saving, checking, investments, credit, the wise use of insurance, and paying and preparing income tax returns. After high school, students face a world filled with possibilities, and the more knowledge they can acquire, the higher the probability that their financial future will be secure. Students taking this course will learn to better prepare for their financial futures.

Topics that can be covered:

• Unit 1: Developing a Sound Financial Life • Unit 2: Understanding Credit • Unit 3: Spending Money	• Unit 4: Banking & Insurance • Unit 5: Investing Money

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Marketing 1

Students find out what it takes to market a product or service in today's fast-paced business environment. They learn the fundamentals of marketing using real-world business examples. They learn about buyer behavior, marketing research principles, demand analysis, distribution, financing, pricing, and product management

Topics that can be covered:

• Unit 1: Get Started • Unit 2: Introduction to Marketing • Unit 3: Economics • Unit 4: Business Basics • Unit 5: Marketing Basics • Unit 6: Market Research	• Unit 7: Selling and Pricing • Unit 8: Developing a Marketing Plan • Unit 9: Careers in Marketing • Unit 10: Skills for Success • Unit 11: Final Project and Exam

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Marketing 2

Students build on the skills and concepts learned in Marketing 1 to develop a basic understanding of marketing principles and techniques. The course encourages students to think like an entrepreneur and begin preparing for a career in business and marketing. By the end of the course, students will understand what it takes to start a small business venture.

Topics that can be covered:

• Getting Started • Business Finance • Pricing • Distribution • Product • Promotion	• Advertising • Advertisement Design • E-Marketing • Customer Relations • Final Project

Prerequisites: Marketing 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Principles of Business, Marketing & Finance 1

Discover the fundamental knowledge that will help you pursue a career in business, as well as always generating interest and buzz around the products and services offered. Explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Learn about globalization, free trade, and various economic systems, as well as the impact of technology on business, business ethics, and social responsibility.

Topics that can be covered:

• Unit 1: Fundamentals of Business • Unit 2: Classifications and Types of Business • Unit 3: Economics of Business Part I • Unit 4: Economics of Business Part II	• Unit 5: The Role of Ethics in Business • Unit 6: Global Impact on Business • Unit 7: The Role of Government • Unit 8: Data and it's Growing Importance on Business

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Principles of Business, Marketing & Finance 2

Take your knowledge of business basics, finance, and marketing to the next level. Learn how to create a marketing strategy that promotes and attracts customers in order to sell a product or service. Explore important basics of business finance, including accounting, budgeting, and investing, and learn what careers are available in business and the important employability skills you'll need to ace the interview and land the job!

Topics that can be covered:

• Unit 1: Marketing • Unit 2: Market Segmentation • Unit 3: The Marketing Mix • Unit 4: Principles of Money	• Unit 5: Basic Financial Management • Unit 6: Business Finance • Unit 7: Basics of Finance • Unit 8: Business Careers

Prerequisites: Principles of Business, Marketing, Finance 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Introduction to Management

From the shift managers at small businesses to the CEOs of large companies, effective management is key to any organization's success. Explore foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and innovation. Engage in a capstone that pulls all of the concepts you've learned together, allowing you to see how management ideas can be applied to a business case study. Get started with learning the fundamentals of successful management.

Topics that can be covered:

• Unit 1: Introduction to Management and Organizations • Unit 2: Management and Leadership • Unit 3: Organizing Teams • Unit 4: Entrepreneurial Management	• Unit 5: Managing in a Global Marketplace • Unit 6: Financial Management • Unit 7: Managing Information • Unit 8: Managing the Business—A Case Study

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Personal Finance- Required in 12th grade

In this introductory finance course, students learn basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses. They gain a deeper understanding of capitalism and other systems so they can better understand their role in the economy of society. Students are inspired by the experiences of finance professionals and stories of everyday people and the choices they make to manage their money.

Topics that can be covered:

• Unit 1: Course Overview • Unit 2: Economic Basics • Unit 3: Financial Planning • Unit 4: Banking • Unit 5: Saving and Investing • Unit 6: Credit and Loans	• Unit 7: Insurance and Consumer Protection • Unit 8: Careers • Unit 9: The Business World • Unit 10: Business Finance • Unit 11: National and Global Finance • Unit 12: Self Awareness and Decision Making

Prerequisites: None **Course Length:** One Semester **Grade Level:** 11,12

Consumer Behavior

This course draws key concepts from marketing, psychology, sociology, and anthropology to present a strong foundation and highly practical focus on real-world applications for today's global business environment. This course incorporates current business practices, including extensive coverage of social media influences, increased consumer power, and emerging neuroscience findings. Students also examine controversies in consumer decision-making involving money, goals, emotions, charity, health, materialism, and sustainability. This edition increases its emphasis on social responsibility and ethics in marketing, examining both the dark side and constructive possibilities.

Topics that can be covered:

- Unit 1: Understanding Consumer Behavior
- Unit 2: Motivation, Ability, and Opportunity
- Unit 3: From Exposure to Comprehension
- Unit 4: Memory and Knowledge
- Unit 5: Attitudes Based on High Effort
- Unit 6: Attitudes Based on Low Effort
- Unit 7: Problem Recognition and Informations Search
- Unit 8: Judgment and Decision-Making Based on High Effort
- Unit 9: Judgement and Decision-Making Based on Low Effort
- Unit 10: Post-Decision Processes
- Unit 11: Social Influences on Consumer Behavior
- Unit 12: Consumer Diversity
- Unit 13: Household and Social Influences
- Unit 14: Psychographics: Values, Personality, and Lifestyle
- Unit 15: Innovations: Adoption, Resistance, and Diffusion
- Unit 16: Symbolic Consumer Behavior
- Unit 17: Marketing, Ethics, and Social Responsibility in Today's Consumer Society

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

National Security

Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. Learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Discover the requirements of our nation's most demanding career.

Topics that can be covered:

- Unit 1: Anatomy of National Security
- Unit 2: Rules of Engagement in the National Security World
- Unit 3: The Ethics of National Security
- Unit 4: Intelligent Intelligence
- Unit 5: Natural Disasters and Security
- Unit 6: Human-Made Disasters and National Security
- Unit 7: Terrorism and National Security
- Unit 8: Predicting and Preparing for the Future

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

CAREER PREP CREDITS

Achieving Your Career and College Goals

Students explore their options for life after high school and implement plans to achieve their goals. They identify their aptitudes, skills, and preferences and explore a wide range of potential careers. They investigate the training and education required for the career of their choice and create a plan to be sure that their work in high school is preparing them for the next step. They also receive practical experience in essential skills such as searching and applying for college, securing financial aid, writing a resume and cover letter, and interviewing for a job. This course is geared toward 11th and 12th graders.

Topics that can be covered:

- Unit 1: Telling Others Who You Are
- Unit 2: Exploring Careers
- Unit 3: Exploring College and Other Options
- Unit 4: Making a Plan

Unit 5: Getting into College

Unit 6: Finding and Keeping a Job

Unit 7: Final Project

Prerequisites: None **Course Length:** One Semester **Grade Level:** 11,12

Career Planning

Students use an informative interactive process to explore career and life options in this one-semester elective. They begin with a thorough examination of their own interests, aptitudes, achievements, and personality styles. Instructional material then helps them match job market information, interview techniques, training requirements, and educational paths to potential careers that suit their strengths and personal priorities.

Successfully completing this course gives students the ability to identify and describe their personal interests, aptitudes, and lifestyle goals; locate and evaluate information about different careers; identify the skills and knowledge needed for careers of interest and how to obtain them; and create an entrepreneurial business plan.

Topics that can be covered:

- Unit 1: Knowing the Plan
- Unit 2: Getting to Know Yourself?
- Unit 3: Knowing What You Want?
- Unit 4: Getting to Know the Job Market?
- Unit 5: Getting Ready for a Career
- Unit 6: Getting and Keeping a Job
- Unit 7: Final Exam

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Reaching Your Academic Potential

Students learn essential academic skills within the context of their learning style, individual learning environment, and long-term goals. This course helps students develop habits for more successful reading, writing, studying, communication, collaboration, time management, and concentration. It also provides insights into how the brain works when they are learning and ways to maximize its potential.

Topics that can be covered:

- Unit 1: Reaching Your Academic Potential
- Unit 2: Your Mind and Your Mindset
- Unit 3: Learning as Process and Preference
- Unit 4: Effective Work Habits
- Unit 5: Memory and Studying for Tests
- Unit 6: Taking Tests
- Unit 7: Making Decisions and Setting Goals
- Unit 8: The Career Ahead
- Unit 9: Focus on Reading
- Unit 10: Focus on Writing
- Unit 11: Focus on Math
- Unit 12: Communication
- Unit 13: Research
- Unit 14: Creativity and Collaboration
- Unit 15: Academic Potential and You

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Business and IT Explorations

In this course students explore basic concepts in the broad areas of business and information technology, as well as career options in each area.

Business: How do business ideas become businesses? How are products marketed? How do you know if a business is making or losing money? These are among the questions that students explore in the business portion of this course. In addition to studying concepts of entrepreneurship, accounting and marketing, students explore these concepts on scales that range from a single person to nations.

Information Technology: How do computers affect communication? How do computers work? How do you make a website? Information technology provides the answers to questions such as these. This course provides a comprehensive introduction to the essentials of Web design, from planning page layouts to publishing a complete site to the Web. Students learn how to use HTML to design their own Web pages. The course covers basic HTML tags for formatting text, as well as more advanced tags. Through real world design scenarios and hands-on projects, students create compelling, usable websites using the latest suite of free tools.

Topics that can be covered:

• Business: Unit One: Families and the Economy • Business: Unit Two: Our Economic World • Business: Unit Three: Introduction to Global Commerce • Business: Unit Four: Basic Principles of Marketing • Business: Unit Five: Product Marketing • Business: Unit Six: Entrepreneurship • Business: Unit Seven: Career Exploration Project • Business: Final Exam	• IT: Unit One: Overview • IT: Unit Two: Planning and Organizing • IT: Unit Three: Introduction to HTML • IT: Unit Four: Graphics and HTML • IT: Unit Five: Final Project • IT: Unit Six: Career Exploration Project

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Business and Marketing Explorations

This course is designed as an exploration of the business career pathways. Students will get an introduction to business careers so that they can better assess which pathway to pursue. In this course, students explore basic concepts in the broad areas of business and marketing, as well as career options in each area. Students study the concepts of marketing, financial management, and human resource management, in addition to other common business related functions. Students complete projects to develop a deeper understanding of the roles these business functions play.

Topics that can be covered:

Introduction to Business

- Get Started
- How Business Works 1
- How Business Works 2
- Types of Businesses 1
- Types of Businesses 2
- Types of Business Ownership
- Physical versus Online Businesses
- Finance 1
- Finance 2
- Marketing
- Advertising
- Sales
- Business Departments and Functions
- Review and Assessment
- Critical Thinking Project

Career Exploration

- Career Preparation 1
- Career Preparation 2
- Career-Ready Skills 1
- Career-Ready Skills 2
- Introduction to the Business Management and Administration Career Cluster and Pathways
- Review and Assessment
- Critical Thinking Project

General Management Pathway

- Introduction to the General Management Career Pathway
- General Management Career Skills
- Business Law 1
- Business Law 2
- Business Ethics 1
- Business Ethics 2
- Economics 1
- Economics 2
- International Business Principles
- International Culture and Business
- Review and Assessment
- Critical Thinking Project

Business Information Management Pathway

- Introduction to the Business Information Management Pathway
- Business Information Management Career Skills 1

Human Resources Management Pathway

- Introduction to the Human Resources Management Pathway
- Human Resources Management Career Skills
- Recruiting Employees
- Hiring Employees
- Payroll and Benefits
- HR and Information Technology
- Environmental Health and Safety EHS
- Employee Training and Development
- Employee Motivation
- Human Resources Law
- Employee Separation
- Review and Assessment
- Critical Thinking Project

Operations Management Pathway

- Introduction to the Operations Management Pathway
- Operations Management Career Skills
- Operations Management Principles
- Manufacturing Basics
- Legal Issues Affecting Operations
- Operations and Technology
- Inventory Management
- Purchasing Management
- Production Scheduling
- Supply Chain Management
- Cost Accounting and Profitability
- Quality Management Basics
- Quality Management Analysis and Improvement
- Review and Assessment
- Critical Thinking Project

Administrative Support Pathway

- Introduction to the Administrative Support Pathway
- Administrative Support Career Skills
- Communication Skills
- Meeting and Event Scheduling
- Information Management Basics
- Digital Information Storage
- Windows File Management
- Business Software Applications
- Review and Assessment
- Critical Thinking Project

Final Project

• Business Information Management Career Skills 2 • Customer Relationship Management 1 • Customer Relationship Management 2 • Accounting Basics • Accounting Processes • Financial Analysis and Planning • Databases • Data Backups • Data Security • Review and Assessment • Critical Thinking Project	• Plan Your Final Project • Research Your Final Project • Write a First Draft • Edit Your Draft • Write Your Final Draft

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Careers in Criminal Justice 1

Have you ever wondered what steps take place as people as they move through the court system? The criminal justice system is a very complex field that requires dedicated people willing to pursue equal justice for all. Explore different career choices and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order

Topics that can be covered:

• Unit 1: Overview of Criminal Justice • Unit 2: History of the Criminal Justice System • Unit 3: US Laws: Freedom versus Responsibility • Unit 4: Introduction to Careers in Criminal Justice	• Unit 5: Inside the Courtroom • Unit 6: The Juvenile Justice System • Unit 7: Correctional Facilities • Unit 8: People Skills in Criminal Justice

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Careers in Criminal Justice 2

Have you ever thought about a career as a police officer, an FBI or DEA agent, or any occupation that seeks to pursue justice for all? Careers in criminal justice can be found at local, county, state, and federal levels, and even in the private sector. Explore some of the various occupations in this field, while simultaneously learning how they interact with each other and other first responders. Discover various interviewing techniques to uncover the truth. Understand the importance of making ethical decisions, and how you need to keep your sense of right and wrong in check to be successful in this field.

Topics that can be covered:

• Unit 1: Overview of Criminal Justice • Unit 2: History of the Criminal Justice System • Unit 3: US Laws: Freedom versus Responsibility • Unit 4: Introduction to Careers in Criminal Justice	• Unit 5: Inside the Courtroom • Unit 6: The Juvenile Justice System • Unit 7: Correctional Facilities • Unit 8: People Skills in Criminal Justice

Prerequisites: Careers in Criminal Justice 1 **Course Length:** One Semester **Grade Level:** 10,11,12

Education and Training Explorations

The Education and Training Explorations course is designed for students to explore careers found in the Education and Training Career Cluster. Students in Education and Training Explorations will study a variety of topics, including professional skills and job responsibilities of various education job workers.

Topics that can be covered:

• Unit 1: Formulas for Career Success: Career Testing & Investigation • Unit 2: Exploring Careers: Education & Training • Unit 3: Decision Making • Unit 4: Employability Skills • Unit 5: Teaching/Training • Unit 6: Teamwork & Collaboration	• Unit 8: Formulas for Career Success: Higher Learning • Unit 9: Administration & Administrative Support • Unit 10: Introduction to Professional Communication • Unit 11: A Job Defined: Educational Policy Worker • Unit 12: Education Philosophies & Practices • Unit 13: Field Trip: Happy Hill Farm • Unit 14: Formulas for Career Success: Portfolio Development

• Unit 7: Professional Support Services	

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Engineering Explorations

This course guides students through an investigation of engineering careers. Students are introduced to the basics of engineering, learn how to turn problems into ideas, and develop a basic understanding of civil, mechanical, chemical, and biological engineering.

Topics that can be covered:

• Unit 1: Development and Understanding of Engineering • Unit 2: Making Problems into Ideas • Unit 3: From Sketches to Products	• Unit 4: Civil Engineering • Unit 5: Mechanical Engineering • Unit 6: Chemical Engineering

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Introduction to Military Careers

Do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine. You will learn about the five military branches – Air Force, Army, Coast Guard, Marines Corps, and Navy-and examine which jobs you might like to pursue. From aviation to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.

Topics that can be covered:

• Unit 1: Welcome to the Military • Unit 2: Military Aviation Careers • Unit 3: Logistics, Supply, & Transportation Careers in the Military • Unit 4: Law & Order in a Uniform	• Unit 5: Boots on the Ground: Combat Operations Careers • Unit 6: Military Brains: Technology, Engineering, Intelligence • Unit 7: Military Behind the Scenes • Unit 8: Private Practice or General Practice?: Military Medical Services

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Healthcare Explorations

This course is designed as an exploration of the healthcare career pathways. Students will get an introduction to healthcare careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of healthcare, as well as career options in each area. Students study the concepts of disease prevention, personal health management, and social work, in addition to other common health related functions. Students complete projects to develop a deeper understanding of the roles these healthcare functions play.

Topics that can be covered:

• Unit 1: Introduction to Healthcare • Unit 2: Career Exploration • Unit 3: Health Science Career Pathways • Unit 4: Legal and Ethical Issues in Health Care • Unit 5: Disease Prevention • Unit 6: Safety	• Unit 7: Cardiopulmonary Resuscitation (CPR) • Unit 8: First Aid • Unit 9: Clinical Skills • Unit 10: Medical Terminology • Unit 11: Career Skills • Unit 12: Final Project

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

IT Explorations

This course is designed as an exploration of the information technology career pathways. Students will get an introduction to information technology careers so that they can better assess which pathway to pursue. In this course

students explore basic concepts in the broad areas of information technology, as well as career options in each area. Students study the concepts of networking information support, web and digital communications, and programming and software development.

Topics that can be covered:

• Introduction to Information Technology • Personal Computing Concepts • Career Exploration • The Information Support & Services Pathway	• The Network Systems Pathway • The Web & Digital Communications Pathway • The Programming & Software Development Pathway • Career Skills

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Life Skills-Elective

This one-semester elective is designed to increase students' knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal-setting and planning, and solving problems. Instructional material focuses on dealing with media and peer pressure, communicating and relationships, working with others, avoiding and/or resolving conflict, decision-making, wellness and personal safety, aspects of good citizenship, environmental awareness, and how students can contribute to their own community. The course is organized in six units that cover the following topics: Course Introduction, Thinking about Yourself, Thinking for Yourself, Taking Care of Yourself, Caring for Your Relationships, and Caring about Your World.

Topics that can be covered:

• Unit 1: Course Introduction • Unit 2: Thinking About Yourself • Unit 3: Thinking for Yourself	• Unit 4: Taking Care of Yourself • Unit 5: Caring for Your Relationships • Unit 6: Caring about Your World

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

COMPUTER SCIENCE

Computer Literacy

In this introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications. Students gain practice in using key applications such as word processing, spreadsheet, and presentation software, as well as understand social and ethical issues around the Internet, information, and security.

Topics that can be covered:

• Unit 1: Overview of Computers • Unit 2: Document Processing • Unit 3: Spreadsheets	• Unit 4: Presentations • Unit 5: Introduction to Web Design • Unit 6: Critical Thinking Project

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Introduction to Computer Science

This course is designed to introduce students to a contemporary overview of today's computer science. The course is non-language-specific and provides a solid foundation using an algorithm-driven approach. To keep the course in touch with current issues, material on emerging topics are included, such as privacy, drones, cloud computing, and net neutrality. Traditional computer science topics such as, binary numbers, boolean logic, system software, networking, information security, and language programming are also included.

Topics that can be covered:

Semester One	Semester Two
• Unit 1: Project Introduction • Unit 2: What is Computing? • Unit 3: Benchmark 1: Computing Innovations • Unit 4: Programming with Karel • Unit 5: Karel Challenges • Unit 6: Benchmark 2: Creating and Using an Algorithm • Unit 7: JavaScript & Graphics • Unit 8: JavaScript Control Structures • Unit 9: Control Structures Challenges	• Unit 1: Digital Citizenship and Cyber Hygiene • Unit 2: Benchmark: Present a Data-Driven Insight • Unit 3: Functions and Parameters • Unit 4: Animation and Games • Unit 5: Project: Breakout • Unit 6: Basic Data Structures • Unit 7: Benchmark 4: Develop Game

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

Computer Science II

The CodeHS Computer Science II course is designed to foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. This course extends on concepts learned in Computer Science I by deepening students understanding of the system and network protocols, and exposing students to the Java programming language.

Topics that can be covered:

Semester One	Semester Two
• Unit 1: System Administration • Unit 2: Networking Fundamentals • Unit 3: Introduction to Programming in Java with Karel the Dog • Unit 4: Basic Java • Unit 5: Methods	• Unit 1: Classes and Object Oriented Programming • Unit 2: Data Structures • Unit 3: Steganography Lab • Unit 4: Algorithms and Recursion • Unit 5: Celebrity Lab

Prerequisites: Into to Computer Science or Another Introductory High School Computer Science course

Course Length: Year **Grade Level:** 10,11,12

Game Design 1

In this course, students learn about actual product design through all phases, from concept through manufacturing, marketing, and distribution. Students learn how engineering design practices improve output quality and also learn management methods to identify the causes of defects, remove them, and minimize manufacturing variables.

Topics that can be covered:

• From Tut to Mario: A History of Gaming • What's in a Game? • Game Pieces	• Developing a Game Design Document • Narratology: Storytelling in Games • The Business of Video Game Design

• Let's Talk Shop About Game Mechanics!	• Let's Make a Game

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Game Design 2

We live in a technologically advanced world, and a huge part of that world is based in virtual reality and video games. Do you enjoy playing video games? Have you ever thought about designing your own video game? By signing up for Game Design II, you will have the opportunity to explore all things related to video game design. This course will give you the skills to conceptualize, design, and fully create your very own video game. Explore various video game software and hardware, sharpen your coding skills, learn about game storylines, player progression, and algorithmic decision-making. This course allows you to analyze player goals, player actions, rewards, and challenges, among many other gameplay components. Utilize twenty-first-century skills involving creativity, critical thinking, communication, collaboration, and technical expertise. When you sign up for Game Design II, you are putting yourself at the forefront of a future in technology!

Topics that can be covered:

• Principles of Game Design • Let's Create Some 3D Game Content! • History of Video Games and Related Technology • Narratology – Storytelling in Games • Developing a Game Design Document • Environment and Level Design	• Programming Concepts • Developing Game Mechanics • Game Rules • Event Modeling, Simulation, and Testing • UI and Audio • The Business of Video Game Design

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Introduction to Java Programming

Introduction to Java 1 is a CodeHS course that teaches students the basics of object-oriented programming with a focus on problem-solving and algorithm development. Students learn basic Java, methods, data structures, classes, and object-oriented programming in this course.

Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free-response questions that have students consider the applications of programming and incorporate examples from their own lives.

At the end of each unit, students take a summative multiple choice unit quiz that assesses their knowledge of the Java concepts covered in the unit. Included in each lesson is a formative short multiple-choice quiz.

Topics that can be covered:

• Unit 1: Introduction to Programming in Java with Karel the Dog • Unit 2: Basic Java • Unit 3: Methods	• Unit 4: Final Project • Unit 5: Optional Supplemental Materials

Prerequisites: (Recommended)

- Introduction to Computer Science, Algebra 1
- Knowledge of basic English and algebra including functions and function notation, such as f(x) = x + 2 and f(x) = g(h(x))

Course Length: One Semester **Grade Level:** 10,11,12

Digital Media: Producing the Web

Let's polish your digital media skills and help you learn all about web design. Incorporate your creative ideas into websites and discover the basics of marketing to understand how your work can be used effectively. You'll also explore the world of podcasts and audio editing to construct a solid foundation from which you can pursue a career in this exciting field. Students will be creating and editing digital audio and podcasts. They will also be planning and designing a website.

Topics that can be covered:

• Unit 1: The Net and the Web • Unit 2: Connecting with Your Web Audience • Unit 3: Digital Rights, Ethics, and Security • Unit 4: Creating and Editing Digital Audio	• Unit 5: Digital Media Equipment: Best Practices • Unit 6: Creating and Editing a Podcast • Unit 7: Planning and Designing a Website • Unit 8: Putting It into Practice: Create a Microsite

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

AP® Computer Science A

TCH510 AP Computer Science is a CodeHS course that introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

The CodeHS AP Computer Science A course is a year-long course designed to help students master the basics of Java and equip them to successfully pass the College Board AP Computer Science A Exam at the end of the school year.

Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free response questions that have students consider the applications of programming and incorporate examples from their own lives

College Board has launched the AP Classroom, a new resource for teachers with summative and formative assessments. At the end of each unit, we recommend that teachers give students the corresponding Personal Progress Check to understand student strengths and weaknesses.

Topics that can be covered:

• Unit 1: Primitive Types • Unit 2: Using Objects • Unit 3: Boolean Expressions and if Statements • Unit 4: Iteration • Unit 5: Writing Classes • Unit 6: Array	• Unit 7: ArrayList • Unit 8: 2D Array • Unit 9: Inheritance • Unit 10: Recursion • Unit 11: Exam Review • Unit 12: Final Project

Prerequisites: Successful completion of Algebra 1 and a strong foundation of:

- Basic linear functions
- Composition of functions
- Problem-solving strategies that require multiple approaches and collaborative efforts
- Ability to use a Cartesian (x, y) coordinate system to represent points on a plane, and
- Mathematical reasoning.

Previous computer programming experience is not required but an introductory computer science course is recommended.

High school courses in English and algebra, and familiarity with functions and the concepts found in the uses of function notation.

Course Length: Year **Grade Level:** 12

ENGLISH

English 9

English 9 includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to Grade 9. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations, and participate in discussions with their peers.

Topics that can be covered:

• Unit 1: Narrative Techniques and Structure • Unit 2: Development of Theme • Unit 3: Characters and Effects • Unit 4: Authors' Techniques and Tools • Unit 5: The Way to Rainy Mountain • Unit 6: Medium and Message	• Unit 1: Arguments and Speeches • Unit 2: The Power of Language • Unit 3: A Midsummer Night's Dream • Unit 4: Informational Works • Unit 5: Cultural Perspectives • Unit 6: The Alchemist

Prerequisites: Language Arts 8 or equivalent **Course Length:** Year **Grade Level:** 9

English 9 Honors

English 9 honors includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to Grade 9. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations, and participate in discussions with their peers. This course includes all the topics in English 9, as well as an independent honors project in each semester.

Topics that can be covered:

• Unit 1: Narrative Techniques and Structure • Unit 2: Development of Theme • Unit 3: Characters and Effects • Unit 4: Authors' Techniques and Tools • Unit 5: The Way to Rainy Mountain • Unit 6: Medium and Message • Unit 7: Honors Project: Descriptive Essay	• Unit 1: Arguments and Speeches • Unit 2: The Power of Language • Unit 3: A Midsummer Night's Dream • Unit 4: Informational Works • Unit 5: Cultural Perspectives • Unit 6: The Alchemist • Unit 7: Honors Project: Read Animal Farm

Prerequisites: Language Arts 8 (or equivalent) and teacher/counselor recommendation **Course Length:** Year **Grade Level:** 9

English 10

English 10 includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to Grade 10. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations, and participate in discussions with their peers.

Topics that can be covered:

• Unit 1: Narrative Techniques and Structure • Unit 2: Theme and Characters • Unit 3: How Important Ideas Are Expressed • Unit 4: Medium and Message • Unit 5: The Power of Language • Unit 6: Night	• Unit 1: Literature with a Purpose • Unit 2: Symbols and Imagery • Unit 3: Cry, the Beloved Country • Unit 4: Macbeth • Unit 5: Informational Works • Unit 6: Writers on Writing

Prerequisites: English 9 or equivalent **Course Length:** Year **Grade Level:** 10

English 10 Honors

Honors English 10 course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to Grade 10. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations, and participate in discussions with their peers. This course includes all the topics in English 10, as well as independent honors project each semester.

Topics that can be covered:

• Unit 1: Narrative Techniques and Structure • Unit 2: Theme and Characters • Unit 3: How Important Ideas Are Expressed • Unit 4: Medium and Message • Unit 5: The Power of LanguageUnit 6: Night • Unit 7: Honors Project: Literary Analysis Essay	• Unit 1: Literature with a Purpose • Unit 2: Symbols and Imagery • Unit 3: Cry, the Beloved Country • Unit 4: Macbeth • Unit 5: Informational Works • Unit 6: Writers on Writing • Unit 7: Honors Project: Read Frankenstein

Prerequisites: Success in English 9 Honors (or equivalent) and teacher/counselor recommendation
Course Length: Year **Grade Level:** 10

American Literature- Grade 11

In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests.

Topics that can be covered:

LITERATURE • Readings include: • Novels • Drama • Prose Fiction and Nonfiction • Poetry	COMPOSITION CRITICAL SKILLS PRACTICE • Critical Reading Skills • Writing Skills

Prerequisites: English 10 or equivalent **Course Length:** Year **Grade Level:** 11

American Literature Honors

In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Students enrolled in this challenging course will also complete independent projects that deepen their understanding of the themes and ideas presented in the curriculum.

Topics that can be covered:

LITERATURE • Readings include: • Novels • Drama • Prose Fiction and Nonfiction • Poetry	COMPOSITION CRITICAL SKILLS PRACTICE • Critical Reading Skills • Writing Skills READ ON

Prerequisites: Success in English 10 Honors (or equivalent) and teacher/counselor recommendation

Course Length: Year **Grade Level:** 11

British and World Literature- Grade 12

Students read selections from British and world literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and make thematic connections among diverse authors, periods, and settings. Students complete guided and independent writing assignments that refine their analytical skills. They have opportunities for creative expression in projects of their choice. Students also practice test-taking skills for standardized assessments in critical reading and writing.

Topics that can be covered:

• Unit 1: Literature • Unit 2: Composition	• Unit 3: Critical Skills Practice

Prerequisites: American Literature or equivalent **Course Length:** Year **Grade Level:** 12

British and World Literature Honors

Students read selections from British and world literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and make thematic connections among diverse authors, periods, and settings. Students complete guided and independent writing assignments that refine their analytical skills. They have opportunities for creative expression in projects of their choice. Students also practice test-taking skills for standardized assessments in critical reading and writing.

Topics that can be covered:

• Unit 1: Literature • Unit 2: Composition	• Unit 3: Critical Skills Practice

Prerequisites: American Literature Honors (or equivalent),and teacher/school counselor recommendation

Course Length: Year **Grade Level:** 12

AP® English Language and Composition

AP® English Language and Composition provides students with the opportunity to read and write critically.

The course is structured into units, based on the College Board guide. Students will closely examine big ideas such as rhetorical situations, claims, evidence, reasoning and organization, and style. They will read a variety of non-fiction writings, including scientific, sociological, philosophical, and narrative texts. The students will read, annotate, and write synthesis essays (using several primary sources), as well as argument and rhetorical analysis essays. Students will work through the writing process using peer review and teacher feedback to complete several drafts of their work.

This course is designed to be equivalent to a one-semester introductory college–or university-level survey course. This course meets guidelines outlined in the College Board's AP® English Language and Composition Course and Exam Description.

Topics that can be covered:

• Unit 1: Writing Well • Unit 2: Reading and Writing Rhetorically • Unit 3: Synthesis: Incorporating Outside Sources • Unit 4: Comparison/Contrast of Narration and Description	• Unit 5: Illustration and Definition • Unit 6: Division and Classification • Unit 7: Causal Analysis and Research • Unit 8: Argument and Persuasion • Unit 9: Combining the Modes

Prerequisites: Teacher/counselor recommendation **Course Length:** Year **Grade Level:** 11,12

AP® English Literature and Composition

AP English Literature and Composition provides students with the opportunity to read and analyze a variety of works and write about those works with stylistic maturity.

The course is structured into units, based on the College Board Course and Exam Description. Students will closely examine big ideas such as: character, setting, structure, narration, figurative language, and literary argument. They will read fictional works, including short fiction, long fiction, poetry, and drama from a variety of countries and time periods. Students will practice analyzing works through an assortment of strategies. Students will write multiple essays encompassing prose fiction analysis, poetry analysis, and literary argument. They will also complete a full research paper that compares two works, utilizing secondary, as well as primary, sources. They will complete an annotated bibliography and work through the writing process using peer review and teacher feedback to complete several drafts of their paper. In addition, students will be given opportunities to practice for the AP exam, with both multiple-choice questions and timed essays.

This course is designed to be the equivalent of a one-semester introductory college–or university-level survey course.

Topics that can be covered:

• Unit 1: Classic American Short Stories • Unit 2: What is Poetry? • Unit 3: Turn-of-the-Century Literature • Unit 4: Short Stories from Around the World • Unit 5: Poetry: Analyzing the Elements	• Unit 6: Drama: The Best of Bard • Unit 7: Contemporary Women Writers • Unit 8: 20th Century Poetry • Unit 9: Modern Novels

Prerequisites: Teacher/counselor recommendation **Course Length:** Year **Grade Level:** **11,**12

Creative Writing- Elective

In this course, students explore a range of creative writing genres, including fiction, poetry, creative nonfiction, drama, and multimedia writing. They study examples of classic and contemporary selections, apply what they learn to their own writing, and develop proficiency in the writing process. They learn to evaluate the writings of others and apply evaluation criteria to their own work. By the end of the course, students will have created a well-developed portfolio of finished written works.

Topics that can be covered:

• Unit 1: Introduction to Creative Writing • Unit 2: Fiction Writing • Unit 3: Poetry Writing	• Unit 4: Multimedia Writing • Unit 5: Student Self-Publishing

Prerequisites: None **Course Length:** Year (Can be taken for a semester only) **Grade Level:** 9,10,11,12

Introduction to Journalism 1

Does your curiosity lead you to the heart of the matter? Channel this curiosity into developing strong writing, critical thinking, and research skills to perform interviews and write influential pieces, such as articles and blog posts. Learn about the evolution of journalism and its ethics, bias, and career directions to forge your path in this field.

Topics that can be covered:

• Unit 1: The History of American Journalism • Unit 2: New Media Versus Old Media • Unit 3: Press Law & Journalistic Ethics • Unit 4: Understanding Rhetoric, Bias, & Point of View	• Unit 5: Photojournalism, Social Media, & Advertising • Unit 6: Freelance Journalism • Unit 7: Documenting Life • Unit 8: Citizen Journalism

Prerequisites: None Course Length: One Semester **Grade Level:** 9,10,11,12

Journalism 2 - Elective

Students are introduced to the historical importance of journalism in America. They study the basic principles of print and online journalism as they examine the role of printed news media in our society. They learn investigative skills, responsible reporting, and journalistic writing techniques as they read, respond to, and write their own news and feature articles. Students conduct interviews, research, write and design their own publications.

Topics that can be covered:

• Unit 1: How to Write Stellar News Stories • Unit 2: Researching Your Story Wisely and Well • Unit 3: Using Personal and Observational Sources • Unit 4: Preparing Posts for Publication	• Unit 5: Understanding the Publication Process • Unit 6: The Changing Environment of Journalism • Unit 7: Data and Journalism • Unit 8: Careers in Journalism

Prerequisites: Journalism 1 **Course Length:** One Semester **Grade Level:** 10,11,12

Public Speaking- Elective

Students are introduced to public speaking as an important component of their academic, work, and social lives. They study public speaking occasions and develop skills as fair and critical listeners, or consumers, of spoken information and persuasion. Students study types of speeches (informative, persuasive, dramatic, and special occasion), read and listen to models of speeches, and prepare and present their own speeches to diverse audiences. Students learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas and benefit from listener feedback. They study how to incorporate well-designed visual and multimedia aids in presentations and how to maintain a credible presence in the digital world. Students also learn about the ethics of public speaking and about techniques for managing communication anxiety.

Topics that can be covered:

• Unit 1: The What and Why of Public Speaking • Unit 2: Powerful Stories: Using Narratives in Public Speaking • Unit 3: What Do You Think? Connecting to Listeners' Lives • Unit 4: Three Ways to Deliver a Speech • Unit 5: Public Speaking for School and Work	• Unit 6: Speech Roadmaps: Introductions, Transitions, and Conclusions • Unit 7: You're the Expert: Informing Listeners • Unit 8: Making Your Point: Ways to Organize • Unit 9: Speaking to Persuade • Unit 10: Methods of Persuasion

Prerequisites: None **Course Length:** Semester **Grade Level:** 9,10,11,12

Grammar and Composition- Elective

In the course, students will consider the themes of personal identity and coming of age as they engage in writing assignments designed to provide basic writing practice. Students will read several short literary pieces. Instruction will focus on ideas, organization, sentence fluency, and conventions.

Topics that can be covered:

• Unit 1: Introduction • Unit 2: Ideas • Unit 3: Organization • Unit 4: Midterm Exam • Unit 5: Sentence Fluency • Unit 6: Conventions	• Unit 1: Voice • Unit 2: Word Choice • Unit 3: Presentation • Unit 4: Research • Unit 5: Biography

Prerequisites: None **Course Length:** Year (Can be taken for a semester only) **Grade Level:** 9,10,11,12

Mythology and Folklore-Elective

Mighty heroes. Angry gods and goddesses. Cunning animals. Since the first people gathered around fires, mythology and folklore have been used as a way to make sense of humankind and our world. Beginning with an overview of mythology and different kinds of folklore, students will journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how these are still used to shape society today.

Topics that can be covered:

• Introduction to Mythology and Folklore • Warrior Women • he Heroic Monomyth in Mythology and Folklore • The Roles of Animals	• The Social Significance • Myths of the World • Comparative Mythology • Modern Myths and Legends

Prerequisites: None **Course Length:** One Semester **Grade Level:** 10,11,12

Gothic Literature-Elective

Since the eighteenth century, Gothic tales have influenced fiction writers and fascinated readers. This course focuses on the major themes found in Gothic literature and demonstrates how the core writing drivers produce a suspenseful environment for readers. It presents some of the recurring themes and elements found in the genre. As they complete the course, students gain an understanding of and an appreciation for the complex nature of Gothic literature.

Topics that can be covered:

• Unit 1: GOTHICA: When Gruesome Is Delicious • Unit 2: FRANKENSTEIN: A Monster Is Born • Unit 3: FRANKENSTEIN: With Great Power Comes Great Responsibility • Unit 4: JEKYLL & HYDE: To Thine Own Self Be True	• Unit 5: GOTHIC POETRY: Love from Beyond the Grave • Unit 6: DRACULA: The Blood Is the Life • Unit 7: DRACULA: The Hunter Becomes the Hunted • Unit 8: EDGAR ALLAN POE: The Monsters in Us

Prerequisites: None **Course Length:** One Semester **Grade Level:** 10,11,12

FAMILY & CONSUMER ED

Family and Consumer Science

In this course, students develop skills and knowledge to help them transition into adult roles within the family. They learn to make wise consumer choices, prepare nutritious meals, contribute effectively as part of a team, manage a household budget, and balance roles of work and family. They gain an appreciation for the responsibilities of family members throughout the lifespan and the contributions to the well-being of the family and the community.

Topics that can be covered:

• Unit 1: Money and YouA Responsible Consumer • Unit 2: A Balanced Family and Work Life • Unit 3: Living a Healthy Life	• Unit 4: Raising Children • Unit 5: Supporting the Community

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Fashion Design

Are you a fashion trend follower? Are you drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do you dream of designing your own line of clothing or accessories? Learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. Start creating!

Topics that can be covered:

• Unit 1: Introducing: Fashion Careers • Unit 2: Design and Communicate: Basic Skills for the Design Industry • Unit 3: Physical Tools for Fashion Designers • Unit 4: Sewing 101	• Unit 5: Choosing Clothing • Unit 6: The Runway Gives Back • Unit 7: Putting It into Practice • Unit 8: Entrepreneurship: Ready for Business

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Interior Design

Do you have a flair for designing and decorating? If so, this course will show you how to turn your interests and skills into a career. From professionals who own their own business to those working within a larger company, interior designers do it all—from planning the color scheme to choosing furniture and light fixtures—with the end goal of creating a space where people can live or work comfortably, safely, and happily.

You'll learn about color, texture, trends, and styles over time, how homes are built, and "green" options for homes and businesses. Most importantly, you'll learn how to work with a client to meet their unique needs and style requirements. This course will help you to identify parts of interior design that are most interesting to you, helping you to chart the path for your future.

Topics that can be covered:

• Unit 1: Introducing: Interior Design Careers • Unit 2: Design and Communicate: Basic Skills for the Design Industry • Unit 3: Tools of the Trade • Unit 4: Types of Houses and Buildings	• Unit 5: Basics of Decorating • Unit 6: Trends in Interior Design • Unit 7: Putting it Together: Designing Your Space • Unit 8: Look to the Future: Your career

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

HISTORY

U.S. History-Required

This course is a full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic peoples to North America to recent events. Readings are primarily drawn from Stride's The American Odyssey: A History of the United States. Online lessons help students organize their studies, explore topics in-depth, analyze events from multiple points of view, review in preparation for assessments, practice skills of historical thinking and analysis, and connect historical events to current events. Activities include analyzing primary sources and maps, completing written assignments, and conducting research.

Topics that can be covered:

No Information Available at this time	

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

Modern U.S. History

This course is a full-year survey that provides students with a comprehensive view of American history from the Industrial Revolution of the late nineteenth century to recent events. Readings are primarily drawn from Stride's The American Odyssey: A History of the United States. Online lessons help students organize their studies, explore topics in-depth, analyze events from multiple points of view, review in preparation for assessments, practice skills of historical thinking and analysis, and connect historical events to current events. Activities include analyzing primary sources and maps, completing written assignments, and conducting research.

Topics that can be covered:

No Information Available at this time	

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

World History

In this comprehensive survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts within the context of the historical narrative. Online lessons and assessments complement World History:

Our Human Story, a textbook written and published by Stride. Students are challenged to consider topics in-depth and from multiple perspectives as they analyze primary sources and maps and complete other projects. They practice historical thinking and writing skills as they explore the broad themes and big ideas of human history.

Topics that can be covered:

No Information Available at this time	

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

Modern World Studies

In this comprehensive course, students follow the history of the world from approximately 1870 to the present. They begin with a study of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the problems and accomplishments of the twentieth century, with a focus on political and social history. Students also explore topics in physical and human geography and investigate issues of concern in the contemporary world from multiple perspectives. Online lessons help students organize their studies, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, connecting past historical events to current events, and completing projects.

Topics that can be covered:

No Information Available at this time	

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

Contemporary World Issues

In this course, students will compare the geography, governments, economies, and cultures of the world. Emphasis will be placed on learning about the civics, politics, economics, structures, processes, and policies of the United States and then comparing them with those of the international community. Students will use what they know and learn about the United States and the world to analyze current events and contemporary issues. Reasoning and research skills will be applied to the content throughout the course.

Topics that can be covered:

• Unit 1: Introduction to Contemporary World Issues • Unit 2: Democracy and Government in Modern America • Unit 3: Politics and the World • Unit 4: Civic Action and Political Discourse • Unit 5: Economics in the American Democracy	• Unit 6: The Global Market • Unit 7: Cultural Geography • Unit 8: Cultural Diversity and the Global Community • Unit 9: Contrast and Conflict in a Diverse Global Culture • Unit 10: Globalization

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

Civics

Civics is the study of citizenship and government. This one-semester course provides students with a basic understanding of civic life, politics, and government, and a short history of the government's foundation and development in this country.

Students learn how power and responsibility are shared and limited by the government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today.

Topics that can be covered:

• Unit 1: Civic Life, Politics, and Government • Unit 2: The Foundations of the American Political System, Part 1 • Unit 3: The Foundations of the American Political System, Part 2	• Unit 4: State Government • Unit 5: City Government • Unit 6: Political Parties

Prerequisites: None **Course Length:** One Semester **Grade Level:** 11,12

U.S. Government and Politics

Students study the history, organization, and functions of the U.S. government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and their governing bodies. Students take a close look at the political culture of our country and gain insight into the challenges faced by citizens, elected government officials, political activists, and others. Students also learn about the roles of political parties, interest groups, the media, and the Supreme Court. They analyze current and historical issues from multiple points of view to practice and deepen their critical thinking skills.

Topics that can be covered:

No Information Available at this time	

Prerequisites: None **Course Length:** One Semester **Grade Level:** 11,12

Geography

This course examines a broad range of geographical perspectives covering all the major regions of the world. Students examine the similarities and differences among the regions as they explore each region's location, physical characteristics, climate, and significant geographical features. They look at each region from cultural, economic, and political perspectives and closely examine the human impact on each region. Students learn and apply critical thinking skills as they study issues from multiple perspectives.

Topics that can be covered:

No Information Available at this time	

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

Psychology

In this one-semester course, students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises. Students learn how to define and use key psychology terms and how to apply psychological principles to their own lives.

Unit topics include: Methods of Study, Biological Basis for Behavior, Learning and Memory, Development and Individual Differences, and Psychological Disorders.

Topics that can be covered:

• Unit 1: History: Methods of Study • Unit 2: Biological Basis of Behavior • Unit 3: Learning and Memory	• Unit 4: Development and Individual Differences • Unit 5: Stress and Mental Illness

Prerequisites: None **Course Length:** One Semester **Grade Level:** 11,12

U.S. and Global Economics

In this course on economic principles, students explore the choices they face as producers, consumers, investors, and tax-payers. Students apply what they learn to real-world simulation problems. Topics of study include markets from historic and contemporary perspectives; supply and demand; theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; money (what it is, how it evolved, and the roles of banks, investment houses, and the Federal Reserve); Keynesian economics; how capitalism functions, focusing on productivity, wages, investment, and growth; issues of capitalism, such as unemployment, inflation, and the national debt; and the effects of globalization. Students also refine their critical thinking skills by analyzing economic issues from multiple perspectives.

Topics that can be covered:

No Information Available at this time	

Prerequisites: None **Course Length:** One Semester **Grade Level:** 11,12

Sociology 1

The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which you live? Students examine social problems in the increasingly connected world and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course.

Topics that can be covered:

• Unit 1: An invitation to the World of Sociology • Unit 2: Our Culture • Unit 3: Socialization • Unit 4: Social Structure and Group Behavior	• Unit 5: Deviance and Crime • Unit 6: Social Stratification and Class • Unit 7: Inequalities of Race and Ethnicity • Unit 8: Gender

Prerequisites: None **Course Length:** One Semester **Grade Level:** 10,11,12

Sociology 2

Sociology is the study of people, social life, and society. By developing a “sociological imagination,” students examine how society itself shapes human action and beliefs—and how in turn these factors reshape society itself. Fascinating online video journeys inform students and motivate them to seek more knowledge on their own.

Topics that can be covered:

• Unit 1: Marriage and Family • Unit 2: Religion and Education • Unit 3: The Economy and Politics • Unit 4: Sport and Entertainment	• Unit 5: Population and Environment • Unit 6: Cities and Urban Life • Unit 7: Collective Behavior and Social Movements • Unit 8: Social Change

Prerequisites: Sociology 1 **Course Length:** One Semester **Grade Level:** 10,11,12

Criminology

Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. The mental state of a criminal can be affected by many different aspects of life: psychological, biological, and sociological, all of which have different perspectives and influences. Investigate not only how these variables affect the criminal mind but also how crimes are investigated and handled in the criminal justice system.

Topics that can be covered:

• Unit 1: The World of Criminology • Unit 2: Biological and Psychological Theories of Crime • Unit 3: Labeling, Conflict, Environmental, and Radical Theories • Unit 4: Violent Crimes and Crimes Against Property	• Unit 5: White-Collar, Corporate, and Public Order Crimes • Unit 6: Criminal Case Process • Unit 7: Enforcing the Law and the Nature of the Courts • Unit 8: Overview of Punishment and Corrections

Prerequisites: None **Course Length:** One Semester **Grade Level:** 10,11,12

Anthropology

Anthropologists research the characteristics and origins of the cultural, social, and physical development of humans and consider why some cultures change and others come to an end. In this course, students are introduced to the five main branches of anthropology: physical, cultural, linguistic, social, and archeological. Through instruction and their own investigation and analysis, students explore these topics, considering their relationship to other social sciences such as history, geography, sociology, economics, political science, and psychology. Emulating professional anthropologists, students apply their knowledge and observational skills to the real-life study of cultures in the United States and around the world. The content in this course meets or exceeds the standards of the National Council for the Social Studies (NCSS).

Topics that can be covered:

• Unit 1: Introduction to Anthropology • Unit 2: Physical Anthropology • Unit 3: Cultural Anthropology • Unit 4: Linguistic Anthropology	• Unit 5: Social Anthropology • Unit 6: Archaeology • Units 7–16: Field Study

Prerequisites: Student previously took the course or its equivalent but did not receive credit; and teacher/school counselor recommendation.

Course Length: One Semester **Grade Level:**12

Law and Order

Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help protect society from individuals who harm others, and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society. By understanding the workings of our court system, as well as how laws are actually carried out, students become more informed and responsible citizens.

Topics that can be covered:

- Unit One: The World of Law & Ethics
- Unit Two: The Lawmaking Process
- Unit Three: A Look Inside Our Courts
- Unit Four: Criminal Law
- Unit Five: Tort Law
- Unit Six: Consumer Law
- Unit Seven: Family Law
- Unit Eight: Community Rights

Prerequisites: None **Course Length:** One Semester **Grade Level:** 10,11,12

AP US History

Students explore and analyze the economic, political, and social transformation of the United States since the time of the first European encounters. Students are asked to master not only the wide array of factual information necessary to do well on the AP Exam, but also to practice skills of critical analysis of historical information and documents. Students read primary and secondary source materials and analyze problems presented by historians to gain insight into challenges of interpretation and the ways in which historical events have shaped American society and culture. The content aligns with the sequence of topics recommended by the College Board and with widely used textbooks. The course prepares students for the AP® Exam. AP® U.S. History

Topics that can be covered:

- Unit 1: Foundations of U.S. History (1492–1763)
- Unit 2: The American Revolution (1763–1789)
- Unit 3: The Early Republic (1789–1824)
- Unit 4: The Age of Jackson (1824–1850)
- Unit 5: The Civil War Era (1844–1877)
- Unit 6: Industrialization (1870–1896)
- Unit 7: Review and Exam
- Unit 1: Change and Reform (1877–1917)
- Unit 2: Imperialism and World War I (1895–1919)
- Unit 3: The Twenties and Thirties (1920–1939)
- Unit 4: World War II and Containment (1939–1950)
- Unit 5: Post-War Politics and Society (1945–1970)
- Unit 6: The Modern Age (1970–Today)
- Unit 7: Preparing for the AP Exam

Prerequisites: Success in previous history course; and teacher/school counselor recommendation
Course Length: Year **Grade Level:** 9,10,11,12

AP Psychology

AP® Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They will study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. The course exposes students to facts, research, appropriate terminology, and major figures in the world of psychology. The equivalent of a 100-level college survey course, AP Psychology prepares students for the AP Exam and for further studies in psychology and life sciences. The content aligns to the College Board Course and Exam Description for Psychology

Topics that can be covered:

- Unit 1: The Science of Mind: The Discipline of Psychology
- Unit 2: The Measure of Mind: Methods of Psychology
- Unit 3: The Evolving Mind: Nature and Nurture Intertwined
- Unit 4: The Biological Mind: The Physical Basis of Behavior
- Unit 5: The Perceiving Mind: Sensation and Perception
- Unit 6: The Aware Mind: Elements of Consciousness
- Unit 7: The Feeling Mind: Emotion and Motivation
- Unit 8: The Adaptive Mind: Learning
- Unit 6: The Knowing Mind: Memory
- Unit 7: The Thinking Mind: Thinking, Language, and Intelligence
- Unit 8: The Developing Mind: Life Span Development
- Unit 9: The Individual Mind: Personality and Self
- Unit 10: The Connected Mind: Social Psychology
- Unit 11: The Troubled Mind: Psychological Disorders
- Unit 12: Healing the Troubled Mind: Therapy
- Unit 13: The Healthy Mind: Stress and Coping, Health Psychology, and Positive Psychology

Prerequisites: Success in previous history course; and teacher/school counselor recommendation
Course Length: One Semester **Grade Level:** 11,12

AP World History

This course spans from ca. 1200 CE to the present in a rigorous academic format organized by chronological periods and viewed through fundamental concepts and course themes. Students analyze the causes and processes of continuity and change across historical periods. Themes include human-environment interaction, cultures, expansion and conflict, political and social structures, and economic systems. In addition, to mastering historical content, students cultivate historical thinking skills that involve crafting arguments based on evidence, identifying causation, comparing and supplying context for events and phenomena, and developing historical interpretation. This course prepares students for the AP® World History Exam

Topics that can be covered:

- Unit 1: The Sasanid Empire and the Rise oof Islam, 200-1200
- Unit 2: Christian Societies Emerge in Europe, 600-1200
- Unit 3: Central and East Asia, 400-1200
- Unit 4: Latin Europe, 1200-1500
- Unit 5: Southern Empires, Southern Seas, 1200-1502
- Unit 6: The Maritime Revolution, to 1500
- Unit 7: Transformations in Europe, 1500-1750
- Unit 8: The Diversity of American Colonial Societies, 1530-1770
- Unit 9: The Atlantic System and Africa, 1550-1800
- Unit 10: Between Europe and China, 1500-1750
- Unit 11: East Asia in Global Perspective
- Unit 12: The Early Industrial Revolution, 1760-1851
- Unit 13: Revolutionary Changes in the Atlantic World, 1750-1850
- Unit 14: Land Empires in the Age of Imperialism, 1800-1870
- Unit 15: Nation Building and Economic Transformation in the Americas, 1800-1890
- Unit 16: Varieties of Imperialism in Africa, India, Southeast Asia, and Latin American, 1750-1915
- Unit 17: The New Power Balance, 1850-1900
- Unit 18: The Crisis of the Imperial Order, 1900-1934
- Unit 19: The Collapse of the Old Order, 1929-1949
- Unit 20: Revolutions in Living, 1900-1957
- Unit 21: The Cold War and Decolonization, 1945-1975
- Unit 22: The End of the Cold War and the Challenge of Economic Development and Immigration, 1975-2007
- Unit 23: Leaving the Twentieth Century

Prerequisites: None **Course Length:** Year **Grade Level:** 10,11,12

MATHEMATIC

Algebra I

The Summit Algebra 1 course is intended to formalize and extend the mathematics that students learned in the middle grades. Because it is built to follow revised middle school math courses, the course covers slightly different ground than previous versions of algebra. In this course, students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions.

Topics that can be covered:

- Unit 1: Expressions and Problem Solvin
- Unit 2: 1-Variable Linear Equations and Inequalities
- Unit 3: 2-Variable Linear Equations and Inequalities
- Unit 4: Working with Functions
- Unit 5: Radicals and Exponents
- Unit 6: Exponential Functions
- Unit 7: Sequences and Modeling with Functions
- Unit 1: Systems of Equations
- Unit 2: Polynomials
- Unit 3: Quadratic Equations
- Unit 4: Quadratic Functions
- Unit 5: Univariate Data
- Unit 6: Bivariate Data
- Unit 7: Algebra 1 Project

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

Algebra I Honors

The Summit Algebra 1 course is intended to formalize and extend the mathematics that students learned in the middle grades. Because it is built to follow revised middle school math courses, the course covers slightly different ground than previous versions of algebra. In this course, students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions.

Topics that can be covered:

- Unit 1: Expressions and Problem Solving
- Unit 2: 1-Variable Linear Equations and Inequalities
- Unit 3: 2-Variable Linear Equations and Inequalities
- Unit 4: Working with Functions
- Unit 5: Radicals and Exponents
- Unit 6: Exponential Functions
- Unit 7: Sequences and Modeling with Functions
- Unit 8: Honors Project: Car Depreciation

- Unit 1: Systems of Equations
- Unit 2: Polynomials
- Unit 3: Quadratic Equations
- Unit 4: Quadratic Functions
- Unit 5: Univariate Data
- Unit 6: Bivariate Data
- Unit 7: Honors Project: Company Data

Prerequisites: Teacher/counselor recommendation **Course Length:** Year **Grade Level:** 9,10,11,12

Geometry

This course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling.

Topics that can be covered:

- Unit 1: Basic Tools and Transformations
- Unit 2: Reasoning and Proof
- Unit 3: Congruence and Constructions
- Unit 4: Analytic Geometry
- Unit 5: Line and Triangle Relationships
- Unit 6: Similarity

- Unit 1: Triangle Similarity
- Unit 2: Area and Volume
- Unit 3: Circles
- Unit 4: Right Triangle Trigonometry
- Unit 5: Conic Sections
- Unit 6: Modelling with Geometry
- Unit 7: Geometry Project

Prerequisites: Algebra 1, or equivalent **Course Length:** Year **Grade Level:** 10,11,12

Geometry Honors

This Summit Geometry Honors course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling. This course includes all the topics in MTH208 as well as several extension activities. Each semester also includes an independent honors project.

Topics that can be covered:

- Unit 1: Basic Tools and Transformations
- Unit 2: Reasoning and Proof
- Unit 3: Congruence and Constructions
- Unit 4: Analytic Geometry
- Unit 5: Line and Triangle Relationships
- Unit 6: Similarity
- Unit 7: Honors Project: Tessellation Project

- Unit 1: Triangle Similarity
- Unit 2: Area and Volume
- Unit 3: Circles
- Unit 4: Right Triangle Trigonometry
- Unit 5: Conic Sections
- Unit 6: Modelling with Geometry
- Unit 7: Honors Project: Trigonometry in Baseball

Prerequisites: Algebra 1 Honors (or equivalent) and teacher/counselor recommendation **Course Length:** Year **Grade Level:**,10,11,12

Algebra II

In this Summit Algebra 2 course, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The course covers sequences and series, probability distributions, and more advanced data analysis techniques.

Topics that can be covered:

• Unit 1: Systems of Linear Equations and Inequalities • Unit 2: Radical and Complex Numbers • Unit 3: Polynomials • Unit 4: Polynomial Functions • Unit 5: Radical and Rational Expressions • Unit 6: Exponential and Logarithmic Functions • Unit 7: Radians and Trigonometric Functions	• Unit 1: Graphs of Sinusoidal Functions • Unit 2: More Function Types • Unit 3: Using Function Models • Unit 4: Sequences and Series • Unit 5: Counting and Probability • Unit 6: Probability Distributions • Unit 7: Data Gathering and UAnalysis • Unit 8: Algebra 2 Project

Prerequisites: Algebra 1 and Geometry (or equivalents) **Course Length:** Year **Grade Level:** 11,12

Algebra II Honors

In this Summit Algebra 2 course, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The course covers sequences and series, probability distributions, and more advanced data analysis techniques.

Topics that can be covered:

• Unit 1: Systems of Linear Equations and Inequalities • Unit 2: Radical and Complex Numbers • Unit 3: Polynomials • Unit 4: Polynomial Functions • Unit 5: Radical and Rational Expressions • Unit 6: Exponential and Logarithmic Functions • Unit 7: Radians and Trigonometric Functions • Unit 8: Honors Project: Polynomial Functions	• Unit 1: Graphs of Sinusoidal Functions • Unit 2: More Function Types • Unit 3: Using Function Models • Unit 4: Sequences and Series • Unit 5: Counting and Probability • Unit 6: Probability Distributions • Unit 7: Data Gathering and Analysis • Unit 8: Honors Project: Sinusoidal Models

Prerequisites: Algebra 1 and Geometry (or equivalents) and teacher/counselor recommendation

Course Length: Year **Grade Level:** 11,12

Pre-Calculus and Trigonometry

Pre-calculus weaves together concepts of algebra and geometry into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include quadratic, exponential, logarithmic, radical, polynomial, and rational functions; matrices; and conic sections in the first semester. The second semester covers an introduction to infinite series, trigonometric ratios, functions, and equations; inverse trigonometric functions; applications of trigonometry, including vectors; polar equations and polar form of complex numbers; arithmetic of complex numbers; and parametric equations.

Connections are made throughout the course to calculus and a variety of other fields related to mathematics. Purposeful concentration is placed on how the concepts covered relate to each other. Demonstrating the connection between algebra and the geometry of concepts highlights the interwoven nature of the study of mathematics.

Topics that can be covered:

• Unit 1: Introduction to Precalculus and Polynomial Functions • Unit 2: Matrices • Unit 3: Conic Sections • Unit 4: Exponential and Logarithmic Functions • Unit 5: Semester Review	• Unit 1: Discrete Mathematics • Unit 2: Trigonometric Ratios • Unit 3: Graph Trigonometric Functions • Unit 4: Trigonometric Laws and Identities • Unit 5: Complex Numbers and Vectors • Unit 6: Semester Review

Prerequisites: Algebra II and Geometry, or equivalents Course Length: Year **Grade Level:** 11,12

Calculus

This course provides a comprehensive survey of differential and integral calculus concepts, including limits, derivatives, integral computation, linearization, Riemann sums, the fundamental theorem of calculus, and differential equations. Content is presented across ten units and covers various applications, including graph analysis, linear motion, average value, area, volume, and growth and decay models. In this course, students use an online textbook, which supplements the instruction they receive and provides additional opportunities to practice using the content they've learned. Students will use an embedded graphing calculator applet (GCalc) for their work on this course; the software for the applet can be downloaded at no charge.

Topics that can be covered:

• Unit 1: Limits and Continuity • Unit 2: Derivatives • Unit 3: Differentiation • Unit 4: Graph Behavior • Unit 5: Derivative Applications	• Unit 6: Antidifferentiation • Unit 7: The Definite Integral • Unit 8: Integral Applications • Unit 9: Area and Volume • Unit 10: Differential Equations and Their Applications

Prerequisites: Pre-Calculus and Trigonometry, or equivalent **Course Length:** Year **Grade Level:** 12

AP® Calculus AB

In AP Calculus AB, students learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Instead of simply getting the right answer, students learn to evaluate the soundness of proposed solutions and to apply mathematical reasoning to real-world models. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. The equivalent of an introductory college-level calculus course, AP Calculus AB prepares students for the AP exam and further studies in science, engineering, and mathematics.

Topics that can be covered:

• Unit 1: Precalculus Review • Unit 2: Bridge to Calculus • Unit 3: Limits and Continuity • Unit 4: Derivaties • Unit 5: Rate of Change	• Unit 6: The Integral and the Fundamental Theorem • Unit 7: Applications of the Integral • Unit 8: Inverse and Transcendental Functions • Unit 9: Separable Differential Equations and Slope Fields • Unit 10: AP Exam Review and Final Exam

Prerequisites: Successfully completed courses which you studied algebra, geometry, trigonometry, analytic geometry, and elementary functions

Course Length: Year **Grade Level:** 12

Probability and Statistics

Students learn counting methods, probability, descriptive statistics, graphs of data, the normal curve, statistical inference, and linear regression. Proficiency is measured through frequent online and offline assessments, as well as

asynchronous discussions. Problem-solving activities provide an opportunity for students to demonstrate their skills in real-world situations.

Topics that can be covered:

• Unit 1: Representing Data Graphically • Unit 2: Representing Data Numerically • Unit 3: Counting and Probability • Unit 4: Random Variables and Distributions	• Unit 5: Sampling • Unit 6: Statistical Inference • Unit 7: Relationships Between Variables • Unit 8: Semester Review and Test

Prerequisites: Algebra II or equivalent Course Length: One Semester **Grade Level:** 11,12

AP® Statistics

AP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

Topics that can be covered:

• Unit 1: Describing Data • Unit 2: The Normal Distribution • Unit 3: Bivariate Data	• Unit 4: Planning a Study • Unit 5: Probability • Unit 6: Binomials and Distributions

Prerequisites: A second-year course in Algebra **Course Length:** Year **Grade Level:** 12

Consumer Math

In Summit Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slideshows help illustrate some of the more difficult content. Throughout the course, students participate in online discussions with each other and their teacher.

Topics that can be covered:

• Unit 1: All About Jobs • Unit 2: Wages • Unit 3: Deductions, Taxes, and Insurance • Unit 4: Recreation and Spending • Unit 5: Transportation	• Unit 6: Personal Finances • Unit 7: Checking and Savings Accounts • Unit 8: Credit • Unit 9: Automobile Expenses • Unit 10: Housing

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

MUSIC

Music Appreciation

This course introduces students to the history, theory, and genres of music. The first semester covers basic music theory concepts as well as early musical forms, classical music, patriotic and nationalistic music, and twentieth-century music. The second semester presents modern traditions, including American jazz, gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world.

To comply with certain state standards for the arts, a student “performance practicum” is required for full credit each semester. The performance practicum requirement can be met through participation in supervised instrumental or vocal lessons, church or community choirs, community musical performances, or any other structured program that meets at regular intervals and provides opportunities for students to build vocal and/or instrumental skills. Parents or guardians will be required to present their student's proposed practicum to the student's teacher for approval, and validate their student's regular participation in the chosen performance practicum.

Topics that can be covered:

• Unit 1: Introduction to Music Appreciation • Unit 2: Music of the Primitive and Ancient World • Unit 3: Music of the Middle Ages and Renaissance • Unit 4: Baroque and Classical Music • Unit 5: Romantic and Twentieth-Century Music • Unit 6: Semester Wrap-Up	• Unit 1: Jazz Music • Unit 2: Blues, Gospel, Soul, and Motown Music • Unit 3: Folk, Bluegrass, and Country Music • Unit 4: Rock-and-Roll Music • Unit 5: Hip-Hop Music and Culture • Unit 6: Semester Wrap-Up

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

P.E./HEALTH

Personal Fitness I-Required

In this course, ninth grade students learn and practice principles of fitness, wellness, and health to develop habits of healthy living. Guided by their text book, Fitness for Life, students will explore topics that include the physiology of diet and exercise, biomechanics, and team dynamics. They will apply their knowledge in daily fitness activities as well as assignments that in- clude personalized exercise and diet plans that develop students’ self-assessment skills. The varied activities also reinforce how physical fitness catalyzes emotional and mental well-being, self-esteem, and communication skills.

Topics that can be covered:

• Unit 1: Fitness, Health, and Wellness for All • Unit 2: Goal Setting and Program Planning • Unit 3: Cardiorespiratory Endurance • Unit 4: Building Cardiorespiratory Endurance • Unit 5: Muscle Fitness Basics • Unit 6: Building Muscle Fitness • Unit 7: Flexibility • Unit 8: A Healthy Diet • Unit 9: Making Healthy Food Choices	• Unit 10: Skill Learning and Injury Prevention • Unit 11: Physical Activity and Fitness Assessment • Unit 12: Maintaining Active Lifestyles • Unit 13: Evaluating Health Clubs, Equipment, Media, and Internet Material • Unit 14: Opportunities in Physical Education • Unit 15: Moving Your Body • Unit 16: Moving Implements and Objects • Unit 17: Social Interaction in Physical Activity • Unit 18: Active Living Opportunities

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9

Personal Fitness II

In this course, high school students will study ways to get and stay fit through moderate and vigorous activities, sports, and recreation. They will study the components and benefits of fitness. Students will also study self-management, stress management, and lifestyle practices to achieve and maintain fitness. In addition to their reading lessons, students complete a variety of activities, assignments, quizzes, and tests to assess their understanding of the content studied.

Topics that can be covered:

- Unit 1: Adopting Healthy Lifestyles
- Unit 2: Learning Self-Management Skills
- Unit 3: Safe and Smart Physical Activity
- Unit 4: Health and Wellness Benefits
- Unit 5: Moderate Physical Activity Facts
- Unit 6: Preparing a Moderate Physical Activity Plan
- Unit 7: How Much Physical Activity Is Enough?
- Unit 8: How Much Fitness Is Enough?
- Unit 9: Vigorous Aerobics, Sport, and Recreation
- Unit 10: Preparing and Performing a Safe and Vigorous Physical Activity Program
- Unit 11: Core Fitness, Posture, and Back Care
- Unit 12: Ergogenic Aid and Muscle Fitness Exercise Planning
- Unit 13: Body Composition Facts
- Unit 14: Energy Balance
- Unit 15: Health and Fitness Quackery
- Unit 16: Stress Management
- Unit 17: Lifestyle Choices for Fitness, Health, and Wellness
- Unit 18: Healthy Lifestyle Planning and Career Opportunities

Prerequisites: None **Course Length:** One Semester **Grade Level:** 10,11,12

Physical Education

This pass/fail course combines online instructional guidance with student participation in weekly cardiovascular, aerobic, muscle-toning, and other activities. Students fulfill course requirements by keeping weekly logs of their physical activity. The course promotes the value of lifetime physical activity and includes instruction in injury prevention, nutrition and diet, and stress management. Students may enroll in the course for either one or two semesters, and repeat for further semesters as needed to fulfill state requirements.

Topics that can be covered:

- Unit 1: Health Benefits of Physical Fitness
- Unit 2: Create Your Physical Fitness Plan
- Unit 3: Cardiovascular and Respiratory Health
- Unit 4: Muscle Strength, Endurance, and Flexibility
- Unit 5: Nutrition and Hydration
- Unit 6: Safety and Treating Sports Injuries
- Unit 7: Judging Media Images and Marketing Claims
- Unit 8: Selection and Maintenance of Fitness Equipment
- Unit 9: Revise Your Physical Fitness Plan
- Unit 10: Individual Physical Activities/Sports
- Unit 11: Team Sports and Competitive Activities
- Unit 12: Rules and Strategies
- Unit 13: Personal and Social Behavior
- Unit 14: Diversity and Multiculturalism
- Unit 15: Skill Enhancement: Motor Skills and Movement Patterns
- Unit 16: Career Options
- Unit 17: Lifelong Physical Fitness
- Unit 18: Summarize Physical Fitness Experiences
- Unit 1: Increase Your Reps: Health Benefits of Physical Fitness
- Unit 2: Increase Your Reps: Create Your Physical Fitness Plan.
- Unit 3: Increase Your Reps: Cardiovascular and Respiratory Health
- Unit 4: Increase Your Reps: Muscle Strength, Endurance, and Flexibility
- Unit 5: Increase Your Reps: Nutrition and Hydration
- Unit 6: Increase Your Reps: Safety and Treating Sports Injuries
- Unit 7: Increase Your Reps: Judging Media Images and Marketing Claims
- Unit 8: Increase Your Reps: Selection and Maintenance of Fitness Equipment
- Unit 9: Increase Your Reps: Revise Your Physical Fitness Plan
- Unit 10: Increase Your Reps: Individual Physical Activities/Sports
- Unit 11: Increase Your Reps: Team Sports and Competitive Activities
- Unit 12: Increase Your Reps: Rules and Strategies
- Unit 13: Increase Your Reps: Personal and Social Behavior
- Unit 14: Increase Your Reps: Diversity and Multiculturalism
- Unit 15: Increase Your Reps: Skill Enhancement: Motor Skills and Movement Patterns
- Unit 16: Increase Your Reps: Career Options
- Unit 17: Increase Your Reps: Lifelong Physical Fitness
- Unit 18: Increase Your Reps: Summarize Physical Fitness Experiences

Prerequisites: None **Course Length:** Year **Grade Level:** 10,11,12

Lifetime Fitness and Wellness

Your health is more than skin deep—or should we say muscle deep? There are many factors that influence your fitness from biological predispositions to the foods you eat, the sleep you get, your psychology, and more! This course will go beyond the superficial of fitness and dig into the science behind it. You will explore the basics of how to assess your baseline fitness, design and implement a fitness plan, fuel your body to achieve your fitness goals, and stay safe while improving your health. Physical fitness is a journey, not a destination: start your expedition now.

Topics that can be covered:

- Unit 1: What Is Physical Fitness?
- Unit 2: The Science Behind Fitness
- Unit 3: Taking Fitness to the Next Level
- Unit 4: Planning for Fitness: Upgrading Your Life
- Unit 5: Hit the Ground Running: Setting Goals and Making a Plan
- Unit 6: How Has Modern Technology Changed Fitness?
- Unit 7: Fit for Life
- Unit 8: Becoming a Fit Community

Prerequisites: None **Course Length:** Year **Grade Level:** 10,11,12

Lifetime Nutrition and Wellness-Elective

To keep our body and our mind running like finely tuned machines, we need to use the right fuel. For humans, that means nourishing our bodies with the right foods. In this course, you'll explore how food affects essential aspects of your life from your weight to how you age to how well you think. You'll also examine how outside influences—family, peers, and the media—can affect your diet and your perception of food and how to set yourself up for nutritional success. Are you interested in a career in holistic wellness? Start your health journey now with Nutrition and Wellness.

Topics that can be covered:

- Unit 1: Health, Nutrition, and Wellness
- Unit 2: Managing Your Food, Nutrition, and Health
- Unit 3: You Are What You Eat: Healthy Meal Planning
- Unit 4: Outside Influences
- Unit 5: Considering Food Safety
- Unit 6: Health and Wellness Challenges
- Unit 7: Social & Emotional Health
- Unit 8: Global Health and Wellness

Prerequisites: None **Course Length:** One Semester **Grade Level:** 11,12

Nutrition and Wellness-Elective

This half-credit course will introduce the student to an overview of good nutrition principles that are needed for human physical and mental wellness. Discussion of digestion, basic nutrients, weight management, sports and fitness, and life-span nutrition is included. Application to today's food and eating trends, plus learning to assess for reliable nutrition information is emphasized.

Topics that can be covered:

- Unit 1: Course Introduction
- Unit 2: Wellness and Food Choices in Today's World
- Unit 3: Digestion and Major Nutrients
- Unit 4: Body Size and Weight Management
- Unit 5: Physical Fitness, Sports Nutrition, and Stress
- Unit 6: Life Cycle Nutrition

Prerequisites: None **Course Length:** One Semester **Grade Level:** 10,11,12

Skills for Health-Required

This course focuses on important skills and knowledge in nutrition; physical activity; the dangers of substance use and abuse; injury prevention and safety; growth and development; and personal health, environmental conservation, and community health resources. The curriculum is designed around topics and situations that engage student discussion and motivate students to analyze internal and external influences on their health-related decisions. The course helps students build the skills they need to protect, enhance, and promote their own health and the health of others.

Topics that can be covered:

- Unit 1: Building Skills for Health
- Unit 2: Thoughts and Feelings
- Unit 3: Nutrition
- Unit 4: Physical Activity
- Unit 5: Alcohol, Tobacco, and Other Drugs
- Unit 6: Injury Prevention and Safety
- Unit 7: Social and Sexual Health
- Unit 8: Personal, Community, and Environmental Health
- Unit 9: Skills for Health Overview

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9

SCIENCE

Biology

In this comprehensive course, students investigate the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of in-depth online lessons, including extensive animations, an associated reference book, collaborative explorations, and laboratory experiments students can conduct at home.

Topics that can be covered:

- Unit 1: The Science of Biology
- Unit 2: The Chemistry of Life
- Unit 3: Cell Biology
- Unit 4: Mendelian Genetics
- Unit 5: Molecular Genetics
- Unit 6: Semester Review and Test
- Unit 1: Gene Expression
- Unit 2: Evolution
- Unit 3: Survey of Living Things 1
- Unit 4: Survey of Living Things 2
- Unit 5: Ecology and the Environment

Prerequisites: None **Course Length:** Year **Grade Level:** 9

Chemistry

This course gives students a solid basis to move on to future studies. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course includes direct online instruction, laboratories, and related assessments, used with a problem-solving book.

Topics that can be covered:

- Unit 1: The Study of Chemistry
- Unit 2: Atomic Structure
- Unit 3: The Periodic Table
- Unit 4: Chemical Bonding
- Unit 5: Chemical Reactions
- Unit 6: Stoichiometry
- Unit 7: Semester Review and Test
- Unit 1: States of Matter
- Unit 2: Solutions
- Unit 3: Acids and Bases
- Unit 4: Chemical Thermodynamics
- Unit 5: Reaction Rate and Equilibrium
- Unit 6: Electrochemistry
- Unit 7: Organic Chemistry
- Unit 8: Nuclear Chemistry

Prerequisites: Satisfactory completion of either Middle School Physical Science or Physical Science and a solid grasp of algebra basics, evidenced by success in Algebra I (or equivalents)

Course Length: Year **Grade Level:** 10,11,12

Earth Science

This course provides students with a comprehensive earth science curriculum, focusing on geology, oceanography,

astronomy, weather, and climate. The program consists of in-depth online lessons, an associated reference book, collaborative activities, and laboratories students can conduct at home. The course prepares students for further studies in geology, meteorology, oceanography, and astronomy courses, and gives them practical experience in implementing scientific methods.

Topics that can be covered:

• Unit 1: Earth Science and Systems • Unit 2: Dynamic Earth • Unit 3: Composition of the Earth • Unit 4: Geological History • Unit 5: Earth's Atmosphere • Unit 6: Weather 1	• Unit 1: Weather 2 • Unit 2: Oceans • Unit 3: Cycles on Earth • Unit 4: Astronomy • Unit 5: Earth's Resources

Prerequisites: Middle School Earth Science (or equivalent) **Course Length:** Year **Grade Level:** 10,11,12

Environmental Science

This course surveys key topic areas, including the application of the scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct five hands-on, unit-long research activities, learning that political and private decisions about the environment and the use of resources require the accurate application of scientific processes, including proper data collection and responsible conclusions.

Topics that can be covered:

• Unit 1: Science of the Environment • Unit 2: Fundamentals of Ecology • Unit 3: Resources	• Unit 4: Environmental Concerns • Unit 5: Politics, Laws, and the Environment • Unit 6: Semester Review and Test

Prerequisites: Success in previous high school science course; and teacher/school counselor recommendation

Course Length: One Semester **Grade Level:** 9,10,11,12

Forensic Science

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, laboratories, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

Topics that can be covered:

• Unit 1: Scientific Principles of Crime Investigation • Unit 2: Evidence • Unit 3: Trace Evidence 1 • Unit 4: Trace Evidence 2	• Unit 5: Forensics of Certain Crimes • Unit 6: Forensics in the Legal System • Unit 7: Review and Exam

Prerequisites: Successful completion of at least two years of high school science, including Biology (or equivalent); Chemistry is highly recommended

Course Length: One Semester **Grade Level:** 9,10,11,12

Physical Science

Students explore the relationship between matter and energy by investigating force and motion, the structure of atoms, the structure and properties of matter, chemical reactions, and the interactions of energy and matter. Students develop skills in measuring, solving problems, using laboratory apparatuses, following safety procedures, and

adhering to experimental procedures. Students focus on inquiry-based learning with laboratory investigations and experiences.

Topics that can be covered:

• Unit 1: Matter and Energy • Unit 2: Forces and Motion • Unit 3: Application of Forces • Unit 4: Fluid Forces • Unit 5: Energy • Unit 6: Work • Unit 7: Waves • Unit 8: Light • Unit 9: Electricity • Unit 10: Semester Review and Test	• Unit 1: Nature of Matter • Unit 2: States of Matter • Unit 3: Gas Laws • Unit 4: Atoms • Unit 5: Elements • Unit 6: Mixtures • Unit 7: Bonds • Unit 8: Chemical Reactions • Unit 9: Acids and Bases • Unit 10: Organic Chemistry • Unit 11: Semester Review and Test

Prerequisites: Middle School Physical Science (or equivalent) **Course Length:** Year **Grade Level:** 10,11,12

Physics

This course provides a comprehensive survey of all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, and magnetism, and introduces students to modern physics topics such as quantum theory and the atomic nucleus. The course gives students a solid basis to move on to more advanced courses later in their academic careers. The program consists of online instruction, laboratories, and related assessments, plus an associated problem-solving book.

Topics that can be covered:

• Unit 1: Introduction to Physics • Unit 2: Physical Units and Measurement • Unit 3: Graphing and Problem Solving • Unit 4: Kinematics • Unit 5: Forces • Unit 6: Net Forces and Vectors • Unit 7: Motion in Two Dimensions • Unit 8: Gravitation • Unit 9: Physics and Scientific Inquiry • Unit 10: Semester Review and Test	• Unit 1: Momentum • Unit 2: Work • Unit 3: Energy • Unit 4: Thermal Energy • Unit 5: Waves • Unit 6: Light • Unit 7: Electric Forces • Unit 8: Currents and Circuits • Unit 9: Magnetism • Unit 10: Modern Physics • Unit 11: Semester Review and Test

Prerequisites: Algebra II and PreCalculus/Trigonometry (or equivalents) (PreCalculus/Trigonometry is strongly recommended as a prerequisite, but this course may instead be taken concurrently with Physics)

Course Length: Year **Grade Level:** 11,12

Medical Terminology 1

This course simplifies the process of memorizing complex medical terminology by focusing on the important word parts—com- mon prefixes, suffixes and root words—that provide a foundation for learning hundreds of medical terms. Organized by body systems, the course follows a logical flow of information: an overview of the body system's structures and functions, a summary of applicable medical specialties, and ultimately pathology, diagnostic, and treatment procedures.

Topics that can be covered:

• Unit 1: Get Started • Unit 2: Etymology of Medical Terminology • Unit 3: Introduction to Medical Terminology • Unit 4: Body Organization • Unit 5: Integumentary System • Unit 6: Muscular System • Unit 7: Skeletal System	• Unit 8: Cardiovascular System • Unit 9: Midterm Exam • Unit 10: Respiratory System • Unit 11: Lymphatic System • Unit 12: Digestive System • Unit 13: Nervous System

	• Unit 14: Final Exam

Prerequisites: None **Course Length:** One Semester **Grade Level:** 10,11,12

Medical Terminology 2

This course simplifies the process of memorizing complex medical terminology by focusing on the important word parts—com- mon prefixes, suffixes and root words—that provide a foundation for learning hundreds of medical terms. Organized by body systems, the course follows a logical flow of information: an overview of the body system's structures and functions, a summary of applicable medical specialties, and ultimately pathology, diagnostic, and treatment procedures.

Topics that can be covered:

• Unit 1: Get Started • Unit 2: Medical Terminology Concepts • Unit 3: Endocrine System • Unit 4: Urinary System • Unit 5: Female Reproductive System • Unit 6: Male Reproductive System • Unit 7: Midterm Exam	• Unit 8: Special Senses System • Unit 9: Pharmacology • Unit 10: Mental Health • Unit 11: Medical Specialities • Unit 12: Dental Specialities • Unit 13: Final Exam

Prerequisites: Medical Terminology 1 **Course Length:** One Semester **Grade Level:** 10,11,12

Anatomy and Physiology

Starting with the relationship between anatomy and physiology, students will then learn about cell structure and their processes. Learners will also discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems. Students will learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and the endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the importance of accurate patient documentation as well as technology used in the industry.

Topics that can be covered:

• Unit 1: Human Body Organization • Unit 2: Chemistry of the Body • Unit 3: The Skeletal System • Unit 4: The Muscular System • Unit 5: The Nervous System • Unit 6: The Integumentary System • Unit 7: Essential Knowledge About Blood • Unit 8: The Cardiovascular System and The Heart	• Unit 1: The Lymphatic and Immune System • Unit 2: The Respiratory System • Unit 3: The Digestive System • Unit 4: The Urinary System • Unit 5: The Reproductive System • Unit 6: The Endocrine System • Unit 7: Assessing and Documenting Anatomy and Physiology • Unit 8: The Science and Technology of Anatomy and Physiology

Prerequisites: None **Course Length:** Two Semesters **Grade Level:** 10,11,12

Green Design and Technology-Elective

This course examines the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students learn about the potential for emerging energy technologies such as water, wind, and solar power. They find out how today's businesses are adapting to the increased demand for sustainable products and services. In this course, students develop a comprehensive understanding of this fast-growing field.

Topics that can be covered:

• Section 1: Exploring Systems • Section 2: Waste Management • Section 3: Green Energy	• Section 4: Green Transportation • Section 5: Green Agriculture • Section 6: Green Manufacturing and Construction

Prerequisites: None **Course Length:** One Semester **Grade Level:** 10,11,12

Introduction to Biotechnology-Elective

How is technology changing the way we live? Is it possible nature can provide all the answers to some of science's most pressing concerns? In Biotechnology: Introduction, you'll learn the basics of biotechnology and evolutionary theory, explore the various ways we store and preserve food, and discover the process of fermentation and microbiology. This course will also cover the importance of breeding plants and hybridization and how early breeding programs led to the study of genetics and an understanding of the function of genes. Finally, you'll delve into early industrial discoveries and explore the developments in biotechnology during the industrial revolution.

Topics that can be covered:

• Unit 1: Biotechnology Basics • Unit 2: The Beginning of Biotechnology • Unit 3: Food Preservation and Fermentation • Unit 4: Collection and Breeding	• Unit 5: The Beginning of Genetics • Unit 6: Early Industrial Discoveries • Unit 7: Regulation of Biotech • Unit 8: Healing, Feeding, Fueling

Prerequisites: None Course Length: One Semester **Grade Level:** 10,11,12

Biotechnology: Unlocking Nature's Secrets-Elective

The fusion of biology and technology creates an amazing process and offers humanity a chance to significantly improve our existence, while simultaneously creating new challenges. In Biotechnology 1b:

Unlocking Nature's Secrets, you'll build on your knowledge from Biotechnology: Introduction and learn how this field seeks to cure such deadly diseases as cancer and malaria, develop innovative medicine, and effectively feed the world through improved agricultural systems. Learn about some of the challenges biotechnology faces today, such as the growth of antibiotic resistant bacteria and questions about the safety of commercially produced genetically modified organisms (GMOs). You'll research new biotechnologies and learn how they are changing the world we live in, including the environmental benefits of industrial biotech- nology.

Topics that can be covered:

• Unit 1: The Discovery of Antibiotics • Unit 2: Agricultural Biotechnology through the Green Revolution • Unit 3: Mapping the Human Genome • Unit 4: Modern Industrial Biotechnology	• Unit 5: Modern Agricultural Biotechnology • Unit 6: Modern Pharmaceutical Biotechnology • Unit 7: The Future of Biotech: Innovation • Unit 8: The Role of Ethics and Public Policy

Prerequisites: Introduction to Biotechnology (or equivalent) **Course Length:** One Semester **Grade Level:** 10,11,12

AP® Biology

This course guides students to a deeper understanding of biological concepts, including the diversity and unity of life, energy and the processes of life, homeostasis, and genetics. Students learn about regulation, communication, and signaling in living organisms, as well as interactions of biological systems. Students carry out a number of learning activities, including readings, interactive exercises, extension activities, hands-on laboratory experiments, and practice assessments. These activities are designed to help students gain an understanding of the science process and critical-thinking skills necessary to answer questions on the AP® Biology Exam. The content aligns with the sequence of topics recommended by the College Board.

Topics that can be covered:

- 1: Invitation to Biology
- 2: Life's Chemical Basis
- 3: Molecules of Life
- 4: Cell Structure
- 5: Ground Rules of Metabolism
- 6: Where It Starts – Photosynthesis
- 7: Releasing Chemical Energy
- 8: DNA Structure and Function
- 9: From DNA to Protein
- 10: Control of Gene Expression
- 11: How Cells Reproduce
- 12: Meiosis and Sexual Reproduction
- 13: Observing Patterns in Inherited Traits
- 14: Chromosomes and Human Inheritance
- 15: Studying and Manipulating Genomes
- 16: Evidence of Evolution
- 17: Processes of Evolution
- 18: Organizing Information About Species
- 19: Life's Original and Early Evolution
- 20: Viruses, Bacteria, and Archaea
- 21: Protists-The Simplest Eukaryotes
- 22: Plant Nutrition and Transport
- 23: Life Cycles of Flowering Plants
- 24: Communication Strategies in Plants
- 25: Animal Tissues and Organ Systems
- 26: Neural Control
- 27: Endocrine Control
- 28: Structural Support and Movement
- 29: Circulation
- 30: Immunity
- 31: Respiration
- 32: Digestion and Nutrition
- 33: Maintaining the Internal Movement
- 34: Animal Reproduction
- 35: Animal Development
- 36: Animal Behavior
- 37: Population Ecology
- 38: Community Ecology
- 39: Ecosystems
- 40: The Biosphere
- 41: Human Impacts on the Biosphere

Prerequisites: Success in Honors Biology, Honors Chemistry, Honors Algebra I (or equivalents), and teacher/school counselor recommendation required; success in Honors Algebra II highly recommended; High school courses in biology and chemistry.

Course Length: Year **Grade Level:** 11,12

AP® Chemistry

Students solve chemical problems by using mathematical formulation principles and chemical calculations in addition to laboratory experiments. They build on their general understanding of chemical principles and engage in a more in-depth study of the nature and reactivity of matter. Students focus on the structure of atoms, molecules, and ions, and then go on to analyze the relationship between molecular structure and chemical and physical properties. To investigate this relationship, students examine the molecular composition of common substances and learn to transform them through chemical reactions with increasingly predictable outcomes.

Topics that can be covered:

- Unit 1: Getting Started
- Unit 2: Fiction and Poetry: Literature of Examination
- Unit 3: Drama: Lives in Crisis
- Unit 4: Poetry: Love and Separation
- Unit 5: Long Fiction: Their Eyes Were Watching God
- Unit 6: Drama: Shakespearean Comedy
- Unit 7: Review and Exam
- Unit 1: Victorian Era Literature
- Unit 2: 19th-Century Literature: British and American Authors
- Unit 3: Turn-of-the-Century Literature
- Unit 4: Modern Literature
- Unit 5: The American Dream
- Unit 6: Contemporary Literature
- Unit 7: Review and Exam

Prerequisites: Honors Chemistry and Honors Algebra II (or equivalents); and teacher/school counselor recommendation High school courses in chemistry and Algebra II

Course Length: Year **Grade Level:** 11,12

AP® Environmental Science

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science.

Topics that can be covered:

- Chapter 1: The Environment and Sustainability
- Chapter 2: Science, Matter, Energy, and Systems
- Chapter 3: Ecosystems: What Are They and How Do They Work?
- Chapter 4: Biodiversity and Evolution
- Chapter 5: Climate and Terrestrial Biodiversity
- Chapter 6: Aquatic Biodiversity
- Chapter 7: Species Interactions, Ecological Succession, and Population Control
- Chapter 8: The Human Population
- Chapter 9: Sustaining Biodiversity: Saving Species and Ecosystem Services
- Chapter 10: Sustaining Terrestrial Biodiversity: Forests, public Lands, Grasslands, Wetlands, and Cities
- Chapter 11: Geology, Soil, and Mineral Resources
- Chapter 12: Food Production and the Environment
- Chapter 13: Water Resources
- Chapter 14: Nonrenewable Energy
- Chapter 15: Energy Efficiency and Renewable Energy
- Chapter 16: Environmental Hazards and Human Health
- Chapter 17: Water Pollution
- Chapter 18: Solid and Hazardous Waste
- Chapter 19: Air Pollution and Ozone Depletion
- Chapter 20: Climate Change

Prerequisites: Two years of high school laboratory science, including life science and physical science, along with at least one year of algebra; and teacher/school counselor recommendation

Course Length: Year **Grade Level:** 11,12

TECH EDUCATION

Engineering Drawing and Design 1

In this course students learn about actual product design through all phases, from concept through manufacturing, marketing, and distribution. Students learn how engineering design practices improve output quality and also learn management methods to identify the causes of defects, remove them, and minimize manufacturing variables.

Topics that can be covered:

- Unit 1: Introduction to Engineering Drawing and Design
- Unit 2: Drafting Equipment, Media, and Reproduction Methods
- Unit 3: Computer-Aided Design and Drafting (CADD)
- Unit 4: Manufacturing Materials and Processes
- Unit 5: Sketching Applications
- Unit 6: Lines and Lettering
- Unit 7: Drafting Geometry
- Unit 8: Multiviews
- Unit 9: Auxiliary Views
- Unit 10: Dimensioning and Tolerancing
- Unit 11: Fasteners and Springs
- Unit 12: Sections, Revolutions, and Conventional Breaks
- Unit 13: Geometric Dimensioning and Tolerancing
- Unit 14: Pictorial Drawings and Technical Illustrations

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Engineering Drawing and Design 2

This is the second semester of Engineering Drawing and Design. In this course students continue their study of learning about actual product design through all phases, from concept through manufacturing, marketing, and distribution. Students learn how engineering design practices improve output quality and also learn management methods to identify the causes of defects, remove them, and minimize manufacturing variables.

Topics that can be covered:

• Unit 1: Working with Drawings • Unit 2: Mechanisms: Linkages, Cams, Gears, and Bearings • Unit 3: Belt and Chain Drives • Unit 4: Welding Processes and Representations • Unit 5: Precision Sheet Metal Drafting • Unit 6: Electrical and Electronics Drafting	• Unit 7: Industrial Process Pipe Drafting • Unit 8: Structural Drafting • Unit 9: Heating, Ventilating and Air-Conditioning (HVAC) • Unit 10: Civil Drafting • Unit 11: The Engineering Design Process

Prerequisites: Engineering Drawing and Design 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Introduction to Mechanical Engineering

This course introduces students to the field of mechanical engineering and helps them develop an appreciation for how engineers design hardware that builds and improves societies around the world. The course covers topics such as technical problem-solving skills, design, engineering analysis, and modern technology to provide a solid mechanical engineering foundation students need for future success in the field.

Topics that can be covered:

• The Mechanical Engineering Profession • Mechanical Design • Technical Problem-Solving and Communication Skills • Forces in Structures and Machines	• Materials and Stresses • Fluids Engineering • Thermal and Energy Systems • Motion and Power Transmission

Prerequisites: Engineering Drawing and Design 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

Introduction to Robotics 1

Are you fascinated with how machines work? Robots are machines, and they are all around us, from helping doctors in surgeries to helping to keep our homes clean. Explore the physics, mechanics, motion, and the engineering design and construction aspects used to develop robots. Learn how models are created through both sketches and software. Discover STEM careers and the education needed to enter this high-demand field.

Topics that can be covered:

• Unit 1: Work with Robots • Unit 2: Health and Safety • Unit 3: Simple Machines, Mighty Mechanisms • Unit 4: Let's Build a Model	• Unit 5: Robot Mechanics and Motion • Unit 6: Robot Physics • Unit 7: Engineering Design Methods • Unit 8: Keeping Robots and Coworkers Happy

Prerequisites: None **Course Length:** One Semester **Grade Level:** 9,10,11,12

Introduction to Robotics 2

The robots have invaded… and they're here to make our lives easier. You've learned about the basics of robotics and STEM careers, but now we're going to learn about manipulating the physical world to create desired effects. In this course, you'll learn to manipulate electrical signals to create logic and memory, how to quantify the physical world through variables, and how to have an impact through tools. You'll discover how to choose the best tools and materials, how to create AI, and how to take an idea from initial planning to a completed project. Let's continue the pursuit of a career in robotics so the friendly invasion can thrive!

Topics that can be covered:

• Unit 1: Power Supplies and Energy Sources • Unit 2: Tech Systems • Unit 3: Robotic Programming • Unit 4: Sensors and Circuitry	• Unit 5: Output Systems • Unit 6: Tools, Equipment, and Materials • Unit 7: Artificial Intelligence • Unit 8: To the Drawing Board

Prerequisites: Introduction to Robotics 1 **Course Length:** One Semester **Grade Level:** 9,10,11,12

WORLD LANGUAGE

Spanish I (Competency)

Students begin their introduction to Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments by which their language progression can be monitored.

Topics that can be covered:

No Information available at this time	

Prerequisites: None **Course Length:** Year **Grade Level:** 9,10,11,12

Spanish II (Competency)

Students continue their study of Spanish by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversa- tional examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments by which their language progression can be monitored. By Semester 2, the course is conducted almost entirely in Spanish.

Topics that can be covered:

No Information available at this time	

Prerequisites: Spanish I **Course Length:** Year **Grade Level:** 10,11,12

Spanish III (Competency)

Students further deepen their understanding of Spanish by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts. Students should expect to be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations covering a wide range of topics and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; read and analyze important pieces of Hispanic literature; and take frequent assessments by which their language progression can be monitored.

Topics that can be covered:

No Information available at this time	No Information available at this time

Prerequisites: Spanish II **Course Length:** Year **Grade Level:** 11,12

AP® Spanish Language and Culture

The AP® Spanish Language and Culture course is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP® Spanish Language and Culture course prepares students for the AP® Spanish Language and Culture exam. It uses as its foundation the three modes of communication (Interpersonal, Interpretive, and Presentational) as defined in the Standards for Foreign Language Learning in the twenty-first century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course teaches language structures in context and fo- cuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their own opinions and comments about various topics and comment on other students' posts. The course also makes great use of the Internet for updated and current material.

Topics that can be covered:

No Information available at this time	No Information available at this time

Prerequisites: Strong success in Spanish III **Course Length:** Year **Grade Level:** 12