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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name AGR020-DYN INTRODUCTION TO FORESTRY & NATURAL RESOURCES

Cou 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.

Cou One Semester

Cou Describe the historical and economic significance of forestry.
Illustrate tree anatomy and growth.
Discuss photosynthesis and respiration.
Analyze and interpret soil survey data.

All about Ecosystems

Describe silviculture.
Define watershed management.
Compare forests and woodlands.
Identify wildlife population management practices.
Apply multiuse principles to forests and other lands.

Measuring and Monitoring the Forest

Measure trees and forest volume.
Estimate timber growth and yield.

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name AGR110-PBL AGRIBUSINESS



Cou This course is a Project Based Learning course (PBL). This course is designed to introduce students to the management concepts needed to manage an agricultural related business in today's competitive market. Students will maintain and use financial records, practice communication skills, learn economic principles and sales in agriculture. By completing this course students will have gained an understanding of the business principles used in the agriculture industry from production to retail.

Cou One Semester

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name AGR111-DYN GENERAL AGRISCIENCE

Cou 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.

Course Length One Semester

Cou

Define horticulture.

- Identify different types of horticulture.
- Recognize key trends and technology relevant for plant scientists.
- Understand the basics of workplace safety for horticulturalists.

Identifying and Classifying Plants

- Classify an unidentified plant to a basic group and begin the process of identifying it.
- Explain plant taxonomy and how we scientifically group, classify, and name plants.
- Understand how different types of plants live and grow over their lifetime.
- Recognize key structural differences between different types of plants.

Plant Growth, Propagation and Development

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name AGR215-PBL FOOD PRODUCTION I



Cou This course is a Project Based Learning course (PBL). This course explores the foundations of the food industry, from nutrition and chemistry to processing and safety, and delves into some of the most pressing foodborne issues of our day. Discussions of current topics and trends center on genetically engineered foods, environmental concerns and sustainability, food needs of the world, the impacts of food on health, and more. Content also correlates with National Agricultural Education Standards and FFA Career Development Events (CDEs) to prepare students for meaningful careers in the critically important agriscience industry.

Cou One Semester

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Course Details

Subject Additional Electives
Course Name ART010 SUMMIT FINE ART (ELECTIVE)

Cou 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.

Cou Two Semesters

Prerequisite HST103: World History (or equivalent) is recommended as a prerequisite or co-requisite, but not required

Cou

Students look closely at how artists use the building blocks or "elements" of art such as line, color, and texture. They analyze how artists organize these elements of art using design principles, such as unity, pattern, and emphasis. Then students explore works of art from various approaches, including historical, critical, and aesthetic. They learn that we group works of art and architecture with similar characteristics into periods, civilizations, and styles. Students answer questions like, "Does art have to be beautiful to be good?" and "Can functional objects be works of art?"

- Elements of Art
- Principles of Design
- Virtual Field Trip: Elements and Principles
- Sketchbook
- Approaches to Art: Art History

CHAT



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Course Details

Subject Additional Electives

Course Name ART020 SUMMIT MUSIC APPRECIATION (ELECTIVE)

Cou 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.

Cou Two Semesters

Cou

Students develop an understanding of basic music vocabulary and apply it to Beethoven's Symphony no. 5. They learn the different branches of musicology, including ethnomusicology and music theory, identify the musical skills and knowledge they already have, and set their personal performance and listening goals for the course.

- [Course Overview](#)

CHAT



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Course Details

Subject Art
Course Name ART040 SUMMIT ART APPRECIATION

Cou 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.

Course Length One Semester

Cou

What is Art?

- Museums
- Analyzing Art
- Unit Exam

Unit 2: Technical Aspects of Art

- Formal Elements
- Principals of Design
- Style
- Unit Exam

Unit 3: 2D Art

- Drawing

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Course Details

Subject Additional Electives
Course Name ART500-CEN AP® ART HISTORY

Cou 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.

Course Length Two Semesters

Prerequisite 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.

Cou

What Is Art History?

- Chapter 1: Art of the Stone Age

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name BUS071-DYN ADVERTISING & SALES PROMOTION

Cou What comes to mind when you think of marketing? Does a favorite commercial jingle begin to play in your head? Or do you recall the irritating phone call from a company trying to sell you software you already have? No matter what your feelings are about it, there's no denying the sheer magnitude of the marketing industry. Every year companies spend \$200 billion promoting their products and services—and that's in the United States alone! Experts estimate that by the time you turn 65, you will have seen nearly 2 million TV commercials, not to mention radio ads, billboards, and online advertisements. You're familiar with what it's like on the receiving end of a company's marketing efforts, but what's it like on the other side? In this Advertising and Sales Promotions course, you'll learn how marketing campaigns, ads, and commercials are conceived and brought to life. You'll meet some of the creative men and women who produce those memorable ads and commercials. And you'll discover career opportunities in the field to help you decide if a job in this exciting, fast-paced industry is in your future!

Cou One Semester

Cou

Distinguish among marketing and advertising terms.

- Categorize business activities, such as production, management, and finance, and describe how these activities relate to marketing.
- Describe the history of the advertising industry and its relation to today's marketplace.
- Discuss laws regulating the marketing and advertising industries.

Advertising in the 21st Century

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name BUS020-DYN INTRODUCTION TO RESTAURANT MANAGEMENT

Cou Have you always dreamed of running your own restaurant? Maybe you want to manage a restaurant for a famous chef. What goes on beyond the dining room in a restaurant can determine whether a restaurant is a wild success or a dismal failure. In Restaurant Management, you'll learn the responsibilities of running a restaurant—from ordering supplies to hiring and firing employees. This course covers the different types of restaurants; managing kitchen and wait staff; food safety and hygiene; customer relations; marketing; using a point-of-sale system; scheduling employees; and dealing with difficult guests. Restaurant Management will prepare you for a steady career, whether you plan to buy a fast food franchise, operate a casual sit-down restaurant, or oversee a fine-dining establishment.

Course Length One Semester

Cou

Identify different types of restaurants.

- Recognize the importance of customer needs.
- Manage and support staff.
- Track expenses and profit.

How Restaurants Work

- Identify the different roles in the front of house.
- Recognize job responsibilities in the kitchen.
- Understand how the point-of-sale system works.
- Explore how the restaurant manager functions in this hierarchy.

CHAT



(/cont

HIGH SCHOOL COURSES (9-12)

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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name BUSO26-CEN BUSINESS INFORMATION MANAGEMENT I



Cou 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.

Course Length Two Semesters

Cou

- Unit 1: Computer Concepts
- Unit 2: Word 1 Creating, Formatting, and Editing a Word Document with a Picture
- Unit 3: Word 2 Creating a Research Paper with References and Sources
- Unit 4: Word 3 Creating a Business Letter with a Letterhead and Table
- Unit 5: PowerPoint 1 Creating and Editing a Presentation with Pictures
- Unit 6: PowerPoint 2 Enhancing a Presentation with Pictures, Shapes, and WordArt
- Unit 7: PowerPoint 3 Reusing a Presentation and Adding Media and Animation
- Unit 9: Excel 1 Creating a Worksheet and a Chart
- Unit 10: Excel 2 Formulas, Functions, and Formatting
- Unit 11: Excel 3 Working with Large Worksheets, Charting, and What-If Analysis
- Unit 12: Access 1 Databases and Database Objects: An Introduction
- Unit 13: Access 2 Querying a Database
- Unit 14: Access 3 Maintaining a Database
- Unit 15: Outlook 1 Managing E-mail Messages with Outlook
- Unit 16: Outlook 2 Managing Calendars with Outlook
- Unit 17: Working with Graphics
- Unit 18: My Portfolio

CHAT



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Course Details

Subject Math
Course Name BUS030 SUMMIT PERSONAL FINANCE (ELECTIVE)

Cou 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 experiences of finance professionals and stories of everyday people and the choices they make to manage their money.

Cou Two Semesters

Cou

Students learn the computer requirements and other basic information for the course. They set up files and folders, install the course software, and learn to use zip utilities. They also learn to identify sources of trustworthy information, the definition of plagiarism, and how to properly cite information.

- Start the Course
- Set Up Your Computer
- Set Up a Browser and Install 7-Zip
- Find and Complete Coursework

Unit 2: Economic Basics

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Course Details

Subject Additional Electives
Course Name BUS032 SUMMIT INTRODUCTORY FINANCE

Cou 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.

Course Length One Semester

Cou

Developing a Sound Financial Life

- The Road to Financial Security
- Today is Tomorrow's Foundation

Unit 2: Understanding Credit

- Understanding Credit
- Debt, Online Banking, and Identity Theft
- Managing Credit & Short Term Debt
- Long Term Debt

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name BUS045-PBL ENTREPRENEURSHIP I



Cou This course is a Project Based Learning course (PBL). 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.

Cou One Semester

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name BUS055 ENTREPRENEURSHIP II



Cou 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.

Cou One Semester

Prerequisite BUS045 Entrepreneurship I

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name BUS055-PBL ENTREPRENEURSHIP II



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

Cou One Semester

Prerequisite BUS045 Entrepreneurship I

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name BUS062-CEN MARKETING 2



Course Description

This is the second semester of a two semester marketing course. This course continues presenting marketing as a set of skills and knowledge combined with economics, finance, and career planning to create strategic plans. Students learn the foundations and functions needed to successfully market goods, services, and ideas to consumers. Professional development, customer service, and social media are presented as keys to students' success. While students study business, economics, selling, human relations, communications, logistics, promotion, product planning, and pricing, they also see marketing as a career choice.

Course Length One Semester

Prerequisite None

Course Outline

Distribution

- Acquire foundational knowledge of channel management to understand its role in marketing.
- Manage channel activities to minimize costs and to determine distribution strategies.
- Develop channel-management strategies to minimize costs.
- Assess channel-management strategies to improve their effectiveness.

Determine the Best Price

- Understand concepts and strategies utilized in determining and adjusting prices to maximize return and meet customers' perceptions of value.
- Employ pricing strategies to set prices for marketing services.

CHAT



(/cont

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name BUS062-CEN MARKETING 2



Cou This is the second semester of a two semester marketing course. This course continues presenting marketing as a set of skills and knowledge combined with economics, finance, and career planning to create strategic plans. Students learn the foundations and functions needed to successfully market goods, services, and ideas to consumers. Professional development, customer service, and social media are presented as keys to students' success. While students study business, economics, selling, human relations, communications, logistics, promotion, product planning, and pricing, they also see marketing as a career choice.

Cou One Semester

Prerequisite None

Cou

Acquire foundational knowledge of channel management to understand its role in marketing.

- Manage channel activities to minimize costs and to determine distribution strategies.
- Develop channel-management strategies to minimize costs.
- Assess channel-management strategies to improve their effectiveness.

Determine the Best Price

- Understand concepts and strategies utilized in determining and adjusting prices to maximize return and meet customers' perceptions of value.
- Employ pricing strategies to set prices for marketing services.

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name BUS065-PBL MARKETING 1



Cou This course is a Project Based Learning course (PBL). 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.

Cou One Semester

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name BUS075 MARKETING 2



Cou 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.

Cou One Semester

Prerequisite BUS065 Marketing 1

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name BUS075-PBL MARKETING 2



Cou This course is a Project Based Learning course (PBL). 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 be understand what it takes to start a small business venture.

Cou One Semester

Prerequisite BUS065 Marketing 1

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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name BUS090-DYN SPORTS AND ENTERTAINMENT MARKETING



Cou Students who have wished to play sports professionally or who have dreamed of becoming an agent for a celebrity entertainer have an interest in sports and entertainment marketing. Although this particular form of marketing bears some resemblance to traditional marketing, there are many differences as well—including a lot more glitz and glamour! In this course, students have the opportunity to explore basic marketing principles and delve deeper into the multibillion-dollar sports and entertainment marketing industry. Students learn how professional athletes, sports teams, and well-known entertainers are marketed as commodities and how some of them become billionaires as a result. For students who have ever wondered about how things work behind the scenes of a major sporting event such as the Super Bowl or even entertained the idea of playing a role in such an event, this course introduces the fundamentals of such a career.

Cou One Semester

Cou Unit 1: Basic Principles of Marketing
Unit 2: Introduction to Sports & Entertainment Marketing
Unit 3: Principles of Effective Sports & Entertainment Marketing in the 21st Century
Unit 4: Diversity and Demographics
Unit 5: Event Marketing
Midterm
Unit 6: Product Marketing
Unit 7: Sponsorships and Endorsements
Unit 8: Finances
Unit 9: Careers in Sports & Entertainment Marketing
Unit 10: Societal and Cultural Influences
Final Exam

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name BUS111-CEN GENERAL ACCOUNTING 1

Cou 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.

Cou One Semester

Cou

Describe the different users of accounting information.

- Prepare a net worth statement and explain its purpose.
- Classify accounts as assets, liabilities, or owner's equity and demonstrate their relationship in the accounting equation.
- Analyze the effects of transactions on the accounting equation.
- Distinguish between cash and on-account transactions.
- Compare and contrast the types of transactions that increase and decrease owner's equity.
- Explain the difference between expenses and liabilities.

Analyzing Transactions into Debit and Credit Parts

- Show the relationship between the accounting equation and a T account.
- Identify the debit and credit side, the increase and decrease side, and the balance side of various accounts.

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name BUS111-CEN GENERAL ACCOUNTING 1

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Cou One Semester

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Analyzing Transactions into Debit and Credit Parts

- Show the relationship between the accounting equation and a T account.
- Identify the debit and credit side, the increase and decrease side, and the balance side of various accounts.

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name BUS065 MARKETING 1



Cou 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.

Cou One Semester

Prerequisite None

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name CAR010-DYN BUSINESS AND HEALTHCARE EXPLORATIONS



Cou In this course students explore basic concepts in the broad areas of business and healthcare, 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.

Healthcare: Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and measles identified and diagnosed? Health sciences provide the answers to questions such as these. This course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in the identification and treatment of diseases.

Course Length One Semester

Cou 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

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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name CAR017-PBL BUSINESS AND MARKETING EXPLORATIONS



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

Cou One Semester

Prerequisite None

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name CAR019 HEALTHCARE EXPLORATIONS



Cou 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.

Cou One Semester

Prerequisite None

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name CAR020 IT AND MANUFACTURING EXPLORATIONS

Cou This first half of the 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.

The second half of the course has an introduction to engineering, computer-aided drafting using SpectraCAD, and introduction to advanced manufacturing.

Cou One Semester

Cou Students learn the purpose of a WYSIWYG Web editor, create a folder for a website, and open a new webpage. They learn how to navigate in KompoZer, view the code in Source view, add and format text, resize and optimize images, and test and publish websites.

- Set Up Your Computer
- Set Up a Browser and Zip Files
- Download Resources and Zip Assignments

Unit 2: Planning and Organizing

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name CAR025-PBL MANUFACTURING EXPLORATIONS



Cou This course is a Project Based Learning course (PBL). This course is designed as an exploration of the manufacturing career pathways. Students will get an introduction to manufacturing careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of manufacturing, as well as career options in each area. Students study the concepts of personal safety, machine maintenance, and computer-aided drafting, in addition to other common manufacturing related functions. Students complete projects to develop a deeper understanding of the roles these manufacturing functions play.

Cou One Semester

Prerequisite None

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name CAR031 ENGINEERING EXPLORATIONS

Cou 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.

Cou One Semester

Prerequisite None

Cou

Distinguish the differences between science, technology, and engineering.

- Understand and use technical terms.
- Discuss important technological developments from the past.
- Identify the various technological ages and the rate of current development.
- Discuss some of the ethical concerns around technology.

Making Problems into Ideas

- Discuss open and closed systems.
- Identify how technological systems interact to achieve goals.
- Find technological solutions through problem solving.
- Design and maintain a computation engineering notebook.

From Sketches to Products

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name CAR045 AGRICULTURE EXPLORATIONS



Cou This course is designed as an exploration of the agriculture career pathways. Students will get an introduction to agriculture careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of agribusiness and agriscience, as well as career options in each area. Students study the concepts of horticulture, natural resources, and livestock production, in addition to other common agriculture related functions. Students complete projects to develop a deeper understanding of the roles these agricultural functions play.

Cou One Semester

Prerequisite None

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name CAR045-PBL AGRICULTURE EXPLORATIONS



Cou This course is a Project Based Learning course (PBL). This course is designed as an exploration of the agriculture career pathways. Students will get an introduction to agriculture careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of agribusiness and agriscience, as well as career options in each area. Students study the concepts of horticulture, natural resources, and livestock production, in addition to other common agriculture related functions. Students complete projects to develop a deeper understanding of the roles these agricultural functions play.

Cou One Semester

Prerequisite None

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name CAR095 IT EXPLORATIONS



Cou 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.

Cou One Semester

Prerequisite None

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name CAR095-PBL IT EXPLORATIONS



Cou This course is a Project Based Learning course (PBL). 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.

Cou One Semester

Prerequisite None

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Course Details

Subject Additional Electives
Course Name CAR100 SUMMIT CAREER PLANNING

Cou 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.

Course Length One Semester

Prerequisite None

Cou

Knowing the Plan

- Why Plan My Career?
- How Do I Plan?
- Exam Preparation

Unit 2: Getting to Know Yourself?

- Getting to Know Yourself
- What Do I Like to Do?
- What Kind of Worker Am I?

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Course Details

Subject English

Course Name ENG001 ENGLISH FOUNDATIONS I (REMEDIATION)

Cou Students build and reinforce foundational reading, writing, and basic academic skills typically found in third through fifth grade for which they have not achieved mastery. Through carefully paced, guided instruction and graduated reading levels, students improve reading comprehension and strategies, focusing on literacy development at the critical stage between decoding and making meaning from text. Instruction and practice in writing skills help students develop their composition skills in a variety of formats. If needed, students can continue their remediation of reading and writing skills with English Foundations II.

Cou Two Semesters

Prerequisite Teacher/school counselor recommendation

Cou

Students begin with a diagnostic to find out what they know, and then are given an introduction to the course.

- Course Overview
- Overview of Course Structure

Unit 2: Identifying the Main Idea

Students begin with a diagnostic to find out what they know. Then they review how to identify the main idea and learn about homonyms.

- Main Idea/Introduction

CHAT



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Course Details

Subject English

Course Name ENG010 JOURNALISM (ELECTIVE)

Cou 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.

Cou One Semester

Cou Students learn about the function of an independent press in a free society; review important people and events in journalistic history; and learn new technologies that affect how news is disseminated. They explore career opportunities in journalism and the required training or education for those careers.

- Course Introduction
- Students will write a summary about the events of the last year using attribution, quotations, and paraphrases.
- The Value of News—Then and Now
- Medium and Message

Unit 2: Ethics and the Law

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Course Details

Subject English

Course Name ENGO11 ENGLISH FOUNDATIONS II (REMEDIATION)

Cou Students build and reinforce foundational reading, writing, and basic academic skills typically found in third through fifth grade for which they have not achieved mastery. Struggling readers develop mastery in reading comprehension, vocabulary building, study skills, and media literacy. Students build confidence in writing fundamentals by focusing on composition in a variety of formats, grammar, style, and media literacy.

Course Length Two Semesters

Prerequisite Teacher/school counselor recommendation; ENGO01: English Foundations I is not required

Cou

Main Ideas

- Verb Tense
- Noun Usage
- Root Words
- Sequencing and Classifying
- Capitalization
- Parallelism
- Pronunciation and Syllables
- Writing Complete Sentences

CHAT



(/cont

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Course Details

Subject English
Course Name ENGO20 SUMMIT PUBLIC SPEAKING (ELECTIVE)

Cou 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 to 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.

Cou One Semester

Cou Students view and analyze a speech of introduction; study active listening and effective feedback; and learn the fundamental presentation techniques: eye contact, volume, and pacing. They practice breathing and stretching exercises that help manage nervousness, then prepare and deliver a brief speech of introduction and give and respond to feedback.

- Course Introduction
- Public Speaking in Daily Life
- The Elements of Public Speaking
- Effective Listening
- The Speaker–Listener Connection

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Course Details

Subject English

Course Name ENGO30 SUMMIT CREATIVE WRITING (ELECTIVE)

Cou 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.

Course Length Two Semesters

Cou

Ideas and Imagination

- The Writing Process, Part 1
- The Writing Process, Part 2
- The Writing Process, Part 3

Unit 2: Fiction Writing

- Exploring Fiction
- Elements of Fiction, Part 1
- Elements of Fiction, Part 2
- Writing Fiction

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Course Details

Subject English

Course Name ENGO40 SUMMIT GRAMMAR AND COMPOSITION

Cou 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.

Course Length Two Semesters

Prerequisite None

Cou

1.1: Introduction

- 1.2: Course Design
- 1.3: Discussion
- 1.4: Diagnostic Assignment
- 1.5: Audience and Purpose
- 1.6: Reflection

Unit 2: Ideas

- 2.1: Ideas
- 2.2: Having Something to Say!
- 2.3: Looking at Student Writing Samples
- 2.4: Thinking Skills/Logic

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Course Details

Subject English
Course Name ENG106 SUMMIT ENGLISH 9 (CREDIT RECOVERY)



Cou The Summit English 9 Credit Recovery course is a flexible online course designed for students who need to retake the course, catch up to classmates, or earn the credits necessary to graduate on-time. The course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to Grade 9. Examples of works studied include “The Black Cat,” “Ain’t I a Woman?” “Nothing Gold Can Stay,” and the novel *The Alchemist*. Students also learn about the formal writing process as they write a literary analysis essay.

Course Length Two Semesters

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

Cou

- Unit 1: Structure
- Unit 2: Point of View
- Unit 3: Viewpoint and Purpose
- Unit 4: Characterization and Theme
- Unit 5: Characters, Element of Surprise, and Plot
- Unit 6: Tone, Voice, and Humor in Nonfiction
- Unit 7: Archetypes, Allusions, and Sources
- Unit 8: Grammar – Phrases
- Unit 9: Grammar – Clauses
- Unit 10: Short Story

CHAT



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Course Details

Subject English

Course Name ENG108 SUMMIT ENGLISH 9



Cou This Summit English 9 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 9. Throughout the course, students practice narrative, informational, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers.

Course Length Two Semesters

Prerequisite Literary Analysis and Composition (Grade 8), or equivalent

Cou

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

SEMESTER 2

- Unit 1: Arguments and Speeches
- Unit 2: The Power of Language
- Unit 3: A Midsummer Night's Dream

CHAT



(/cont

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Course Details

Subject English
Course Name ENG109 SUMMIT ENGLISH 9 HONORS



Cou The Summit English 9 Honors 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 9. Throughout the course, students practice narrative, informational, and argument writing. Students also develop and deliver presentations, and participate in discussions with their peers. This course includes all the topics in ENG108 as well as several extension activities. Each semester also includes an independent honors project.

Course Length Two Semesters
Prerequisite Literary Analysis and Composition (Grade 8) (or equivalent)

Cou

- 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

SEMESTER 2

CHAT



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Course Details

Subject English
Course Name ENG206 SUMMIT ENGLISH 10 (CREDIT RECOVERY)



Cou The Summit English 10 Credit Recovery course is a flexible online course designed for students who need to retake the course, catch up to classmates, or earn the credits necessary to graduate on-time. The course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to Grade 10. Examples of works studied include “The Pit and the Pendulum,” poems by Lord Byron and Ezra Pound, Nixon’s resignation speech, and the memoir *Night*. Students also learn about the formal writing process as they write a literary analysis essay.

Course Length Two Semesters

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

Cou

- Unit 1: Author’s Craft
- Unit 2: Narrative Techniques
- Unit 3: Theme and Characterization
- Unit 4: Characters
- Unit 5: How Important Ideas Are Expressed
- Unit 6: Medium and Message
- Unit 7: Grammar
- Unit 8: Grammar and Language
- Unit 9: Personal Narrative

CHAT



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Course Details

Subject English

Course Name ENG208 SUMMIT ENGLISH 10



Cou The Summit 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, informational, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers.

Course Length Two Semesters

Prerequisite Literary Analysis and Composition I (or equivalent)

Cou

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

SEMESTER 2

- Unit 1: Literature with a Purpose
- Unit 2: Symbols and Imagery
- Unit 3: Cry, the Beloved Country

CHAT



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Course Details

Subject English
Course Name ENG209 SUMMIT ENGLISH 10 HONORS



Cou The Summit English 10 Honors 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 Summit English 10, as well as an independent honors project in each semester.

Course Length Two Semesters
Prerequisite Literary Analysis and Composition I (or equivalent)

Cou

- 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 7: Honors Project: Literary Analysis Essay

SEMESTER 2

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Course Details

Subject English
Course Name ENG303 SUMMIT AMERICAN LITERATURE

Cou 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.

Cou Two Semesters

Prerequisite Literary Analysis and Composition II (or equivalent)

Cou

Readings include:

Novels

Students will read *The Great Gatsby* by F. Scott Fitzgerald and one of the following:

- *The Old Man and the Sea* by Ernest Hemingway
- *The Red Badge of Courage* by Stephen Crane
- *A Lesson Before Dying* by Ernest Gaines
- *The House on Mango Street* by Sandra Cisneros

Drama

- *The Glass Menagerie* by Tennessee Williams

CHAT



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Course Details

Subject English

Course Name ENG306 SUMMIT AMERICAN LITERATURE (CREDIT RECOVERY)

CHAT



(/cont

Cou 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. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Cou Two Semesters

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

Cou

Readings include:

Novels

Students will read *The Great Gatsby* by F. Scott Fitzgerald and one of the following:

- *The Old Man and the Sea* by Ernest Hemingway
- *The Red Badge of Courage* by Stephen Crane
- *A Lesson Before Dying* by Ernest Gaines
- *The House on Mango Street* by Sandra Cisneros

Drama

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Course Details

Subject English

Course Name ENG403 SUMMIT BRITISH AND WORLD LITERATURE

Cou 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.

Cou Two Semesters

Prerequisite ENG303: American Literature (or equivalent)

Cou

Readings include:

Novels

Students will read two of the following:

- Pride and Prejudice by Jane Austen
- Hard Times by Charles Dickens
- 1984 by George Orwell
- Nectar in a Sieve by Kamala Markandaya
- Siddhartha by Herman Hesse

Drama

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Course Details

Subject English

Course Name ENG404 SUMMIT HONORS BRITISH AND WORLD LITERATURE

Cou 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 work independently on many of their analyses and engage in creative collaboration with their peers. Students also practice test-taking skills for standardized assessments in critical reading and writing.

Cou Two Semesters

Prerequisite ENG204 Honors Literary Analysis and Composition II (or equivalent) or ENG304 Honors American Literature (or equivalent), and teacher/school counselor recommendation

Cou

Is

Students will read two of the following:

- *Pride and Prejudice* by Jane Austen
- *Hard Times* by Charles Dickens
- *1984* by George Orwell
- *Nectar in a Sieve* by Kamala Markandaya
- *Siddhartha* by Herman Hesse

Drama

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Course Details

Subject English

Course Name ENG406 SUMMIT BRITISH AND WORLD LITERATURE (CREDIT RECOVERY)

CHAT



(/cont

Cou This course engages students in selections from British and world literature from the ancient world through modern times. They practice analytical writing and have opportunities for creative expression. Students also practice critical reading and writing test-taking skills. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Cou Two Semesters

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

Cou

Readings include:

Novels

Students will read two of the following:

- Pride and Prejudice by Jane Austen
- Hard Times by Charles Dickens
- 1984 by George Orwell
- Nectar in a Sieve by Kamala Markandaya
- Siddhartha by Herman Hesse

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Course Details

Subject English

Course Name ENG500 AP® ENGLISH LANGUAGE AND COMPOSITION



Cou Students learn to understand and analyze complex works by a variety of authors. They explore the richness of language, including syntax, imitation, word choice, and tone. They also learn composition style and process, starting with exploration, planning, and writing. This continues with editing, peer review, rewriting, polishing, and applying what they learn to academic, personal, and professional contexts. In this equivalent of an introductory college-level survey class, students prepare for the AP Exam and for further study in communications, creative writing, journalism, literature, and composition.

Cou Two Semesters

Prerequisite Success in ENG204: Honors Literary Analysis and Composition II (or equivalent) or ENG304: Honors American Literature (or equivalent), and teacher/school counselor recommendation

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Course Details

Subject Additional Electives
Course Name ENG510 AP® ENGLISH LITERATURE AND COMPOSITION



Cou In this course, the equivalent of an introductory college-level survey class, students are immersed in novels, plays, poems, and short stories from various periods. Students read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and discussions. The course places special emphasis on reading comprehension, structural and critical analyses of written works, literary vocabulary, and recognizing and understanding literary devices. Students prepare for the AP Exam and for further study in creative writing, communications, journalism, literature, and composition.

Cou Two Semesters

Prerequisite Success in ENG204: Honors Literary Analysis and Composition II (or equivalent) or ENG304: Honors American Literature (or equivalent), and teacher/school counselor recommendation

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Course Details

Subject Career Readiness Education (CRE) Electives

Cou HLT040-DYN BIOTECHNOLOGY: UNLOCK NATURE'S SECRETS

Cou Can we bring back extinct species? Will the cures for cancer, malaria, and other diseases come from the combination of natural materials and new technologies? How is science changing the foods we eat? Welcome to the world of biotechnology! In this course, you will explore the history of biotechnology, including early attempts at food preservation, the development of antibiotics, and changes to food crops around the world. You'll also learn more about some of the challenges of biotechnology, such as the growth of antibiotic resistant bacteria and questions about the safety of commercially produced genetically modified organisms (GMOs). Finally, you'll research new biotechnologies and how they are changing the world we live in.

Cou

Recognize different types of cells.

- Categorize organisms.
- Define taxonomy and scientific naming of organisms.
- Explain the basics of evolutionary theory.

The Beginning of Biotechnology

- Explain the differences between Paleolithic and Neolithic.
- Describe how humans domesticated plants and animals.
- Categorize the regional variances in agriculture and domestication.
- Summarize the changes that occurred as humans domesticated plants and animals.

Food Preservation and Fermentation Technology

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name HLT551–CEN SPORTS MEDICINE 1

Cou This course introduces students to essential skills in sports medicine, including fitness assessment, conditioning, emergency preparedness, injury management, therapeutic modalities, nutrition, and ethical and legal considerations. Students explore careers in fitness instruction, athletic training, exercise physiology, sports management, and physical therapy.

Cou

Sports Medicine: The Circle of Care

- Other Related Careers

Legal Considerations and Administration

- Record Keeping
- Legal Responsibilities

Medical Conditions

- Medical Conditions Affecting Athletes

Emergency Preparedness and Assessment

- Emergencies Are Inevitable
- The Primary Survey

Infection Control and Blood-Borne Pathogens

- The Chain of Infections
- The Risks

Vital Signs Assessment

- The Vital Signs

CHAT



(/cont

HIGH SCHOOL COURSES (9-12)

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Course Details

Subject History
Course Name HST010 ANTHROPOLOGY (ELECTIVE)

Cou This course presents a behavioral science that focuses on the study of humanity and culture. The course covers the foundations of the five main branches of anthropology including physical, social, linguistic, archeological, and cultural. You are provided the opportunity to apply your observational skills to the real-life study of cultures in the United States and around the world.

Cou One Semester

Prerequisite HST103: World History (or equivalent) recommended as a prerequisite or co-requisite, but not required

Cou The focus of the lessons in this unit is to introduce the subject of anthropology to students. The students develop a wide range of knowledge skills that can be applied to all branches of anthropology.

- Overview of Anthropology
- Discuss: Getting to Know You
- Branches of Anthropology
- Categories of Knowledge
- The Social Sciences
- History of Anthropology
- Anthropological Research

Unit 2: Physical Anthropology

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Course Details

Subject History

Course Name HST020 PSYCHOLOGY (ELECTIVE)

Cou 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.

Cou One Semester

Prerequisite None

Cou

Students are introduced to some of the history of psychology and learn about theories, research methods, and ethical concerns.

- What is Psychology?
- Early Attempts to Understand Behavior
- First Psychology Laboratory
- Theories and Approaches
- Research Methods and Ethical Concerns

Unit 2: Biological Basis of Behavior

Students learn how the brain and the nervous system affect behavior.

- How the Brain is Studied
- The Brain
- The Neuron and the Nervous System

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Course Details

Subject History
Course Name HST030 SUMMIT ECONOMICS (ELECTIVE)

Cou Students are introduced to the basics of economic principles, and they will learn the importance of understanding different economic systems. They will also investigate how to think like an economist. Students will explore different economic systems, including the American free enterprise system, and they will analyze and interpret data to understand the laws of supply and demand. Students will also be presented with economic applications in today's world. From economics in the world of business, money, banking, and finance, students will see how economics is applied both domestically and globally. Students will also study how the government is involved in establishing economic stability in the American free enterprise system as well as the how the U.S. economy has a global impact.

Course Length One Semester

Prerequisite None

Cou

Thinking Like an Economist

- Scarcity and the Factors of Production
- Decision Making
- Production Possibilities Graphs

Unit 2: Economic Systems

- Answering Economic Questions and Prioritizing Economic Goals
- Free Market Economy
- Centrally Planned or Command Economy

CHAT



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Course Details

Subject History
Course Name HST040 SUMMIT CIVICS (ELECTIVE)



Course Description

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 government's foundation and development in this country. Students learn how power and responsibility are shared and limited by 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.

Course Length One Semester

Prerequisite None

Course Outline

Unit 1: Civic Life, Politics, and Government

Students are introduced to the concepts of government, politics, and civic life. They examine why government and politics are necessary, and what purposes government should serve. They learn the essential characteristics of limited and unlimited government, the nature and purposes of constitutions, and alternative ways of organizing constitutional governments.

Unit 2: The Foundations of the American Political System, Part 1

Students learn about the American idea of constitutional government, the ideals behind the Declaration of Independence, the purpose of the Articles of Confederation, and the creation of the Constitution and the Bill of Rights.

Unit 3: The Foundations of the American Political System, Part 2

[CHAT](#)



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Course Details

Subject History

Course Name HST060-DYN SOCIOLOGY I: THE STUDY OF HUMAN RELATIONSHIPS (ELECTIVE)



Cou 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.

Course Length One Semester

Prerequisite None

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

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Course Details

Subject History
Course Name HST061-DYN SOCIOLOGY II: YOUR SOCIAL LIFE (ELECTIVE)



Cou 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.

Course Length One Semester

Prerequisite Sociology I: The Study of Human Relationships

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

CHAT



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Course Details

Subject History
Course Name HST103 SUMMIT WORLD HISTORY

Cou 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 and skills within the context of the historical narrative. Online lessons and assessments complement *World History: Our Human Story*, a textbook written and published by K12. Students are challenged to consider topics in-depth as they analyze primary sources and maps, create timelines, and complete other projects— practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history.

Cou Two Semesters

Prerequisite Middle School American History A, World History A or World History B (or equivalents)

Cou

The human story begins in the distant past, long before written language. Many details of our earliest history remain unknown. But tantalizing clues buried in the earth have helped shape a fascinating tale. The earliest people lived by hunting animals and gathering wild food. After the discovery of farming, they settled down. They built towns, which grew into cities. And they faced difficult questions. Who would perform important tasks, like growing crops and building canals? Who would be in charge? How should society organize itself? And how will people remember their own history? The answers, as well as brand-new questions, arose with the world's first civilizations.

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Course Details

Subject History
Course Name HST104 SUMMIT WORLD HISTORY HONORS

Cou In this challenging 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 and skills within the context of the historical narrative. Online lessons and assessments complement *World History: Our Human Story*, a textbook written and published by K12. Students are challenged to consider topics in-depth as they analyze primary sources and maps, create time lines, and complete other projects—practicing advanced historical thinking and writing skills as they explore the broad themes and big ideas of human history. Students complete an independent honors project each semester.

Cou Two Semesters

Prerequisite Middle School American History A, World History A or World History B (or equivalents)

Cou

The human story begins in the distant past, long before written language. Many details of our earliest history remain unknown. But tantalizing clues buried in the earth have helped shape a fascinating tale. The earliest people lived by hunting animals and gathering wild food. After the discovery of farming, they settled down. They built towns, which grew into cities. And they faced difficult

CHAT



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Course Details

Subject History

Course Name HST106: SUMMIT WORLD HISTORY (CREDIT RECOVERY)

Cou In this survey of world history from prehistoric to modern times, students focus on the key 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 and skills within the context of the historical narrative. Online lessons and assessments complement *World History: Our Human Story*, a textbook written and published by K12. Students analyze primary sources and maps, create timelines, and complete other projects—practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Cou Two Semesters

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

Cou

The human story begins in the distant past, long before written language. Many details of our earliest history remain unknown. But tantalizing clues buried in the earth have helped shape a fascinating tale. The earliest people lived by hunting animals and gathering wild food. After the discovery of farming, they settled down. They built towns, which grew into cities. And they faced difficult

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Course Details

Subject History

Course Name HST203: SUMMIT MODERN WORLD STUDIES

Cou 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 staggering problems and astounding 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. Online lessons help students organize study, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

Cou Two Semesters

Prerequisite Middle School Intermediate World History A and B (or equivalents)

Cou

The modern world owes a great deal to earlier peoples and ideas. Concepts of democracy, a belief in the worth of the individual, rule by the people—all developed over the course of many centuries. To prepare for a study of the modern world, students begin with a look back to ancient Greece and Rome, to the legacy of Judeo-Christian thought, and to the growth of democratic ideals in England. Students enter the modern world with a brief review of democratic revolutions and the Industrial Revolution.

- Semester Introduction

CHAT



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Course Details

Subject History

Course Name HST204 SUMMIT MODERN WORLD STUDIES HONORS

Cou In this advanced course, students investigate the history of the world from approximately 1870 to the present. They begin with an analysis 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 undertake an in-depth examination of both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore advanced topics in physical and human geography, and investigate issues of concern in the contemporary world. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting research. Students complete independent projects each semester.

Cou Two Semesters

Prerequisite Middle School Intermediate World History A and B (or equivalents); success in previous social studies course; and teacher/school counselor recommendation

Cou

The modern world owes a great deal to earlier peoples and ideas. Concepts of democracy, a belief in the worth of the individual, rule by the people—all were developed over the course of many centuries. To prepare for a study of the modern world, students begin with a look back to ancient Greece and Rome, to the legacy of Judeo-Christian thought, and to the growth of democratic ideals in England. Students enter the modern world with a brief review of democratic revolutions and the Industrial Revolution.

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Course Details

Subject History

Course Name HST206 SUMMIT MODERN WORLD STUDIES (CREDIT RECOVERY)

Cou In this 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. Online lessons help students organize study, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, writing assignments, and conducting independent research. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Cou Two Semesters

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

Cou The modern world owes a great deal to earlier peoples and ideas. Concepts of democracy, a belief in the worth of the individual, rule by the people—all of these developed over the course of many centuries. To prepare for a study of the modern world, students begin with a look back to ancient Greece and Rome, to the legacy of Judeo-Christian thought, and to the growth of democratic ideals in England. Students enter the modern world with a brief review of democratic revolutions and the Industrial Revolution.

CHAT



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Course Details

Subject History

Course Name HST213 SUMMIT GEOGRAPHY AND WORLD CULTURES

Cou This course examines a broad range of geographical perspectives covering all of the major regions of the world. Students clearly see the similarities and differences among the regions as they explore the locations and physical characteristics, including absolute and relative location, 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 take diagnostic tests that assess their current knowledge and generate individualized study plans, so students can focus on topics that need review. Audio readings and vocabulary lists in English and Spanish support reading comprehension.

Cou Two Semesters

Cou

Students are introduced to the basics of geography.

- What is Geography?
- Locating Our Place in Space
- Physical Attributes of Earth's Landscape
- Human Impact
- Careers in Geography

Unit 2: North America

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Course Details

Subject Additional Electives

Course Name HST216 SUMMIT GEOGRAPHY (CREDIT RECOVERY)

CHAT



Cou This course examines a broad range of geographical perspectives covering all of the major regions of the world. Students clearly see the similarities and differences among the regions as they explore the locations and physical characteristics, including absolute and relative location, 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 take diagnostic tests that assess their current knowledge and generate individualized study plans, so students can focus on topics that need review. Audio readings and vocabulary lists in English and Spanish support reading comprehension.

(/cont

Cou Two Semesters

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

Cou

Students are introduced to the basics of geography.

- Introduction to Geography
- Welcome to Geography
- Locating Our Place in Space
- Physical Attributes of Earth's Landscape
- Human Impact
- Careers in Geography

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Course Details

Subject History

Course Name HST222 SUMMIT CONTEMPORARY WORLD ISSUES (ELECTIVE)

Cou 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.

Course Length Two Semesters

Prerequisite None

Cou

Section A – 9/11

- Identifying World Issues
- Globalization

Unit 2: Democracy and Government in Modern America

- Our Very Freedom: Principles of Modern American Thought
- Government in America

CHAT



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Course Details

Subject History
Course Name HST303 SUMMIT U.S. HISTORY

Cou This course is a full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics in-depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating time lines, completing projects and written assignments, and conducting independent research.

Cou Two Semesters

Prerequisite HST103: World History or HST203: Modern World Studies (or equivalents)

Cou Students explore the diversity of the first Americans and the land they inhabited. They trace the rise of European nations and the Age of Exploration after centuries of strife, read an entry from Columbus's log, and learn of the decimation of the Native American population after Europeans arrived. They see the extent of the Spanish empire in the Americas and read of the hardships in Jamestown. The unit then turns to the founding and maturing of England's thirteen American colonies.

- Semester Introduction
- Discuss: Getting to Know You
- Peopling the Americas
- First Americans

CHAT



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Course Details

Subject History
Course Name HST304 SUMMIT U.S. HISTORY HONORS

CHAT



(/cont

Cou This course is a challenging full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics in-depth, review in preparation for assessments, and practice advanced skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.

Cou Two Semesters

Prerequisite HST103: World History or HST104: Honors World History, or HST204 (or equivalents); and teacher/school counselor recommendation

Cou

Students explore the diversity of the first Americans and the land they inhabited. They trace the rise of European nations and the Age of Exploration after centuries of strife, read an entry from Columbus's log, and learn of the decimation of the Native American population after Europeans arrived. They see the extent of the Spanish empire in the Americas and read of the hardships in Jamestown. The unit then turns to the founding and maturing of England's thirteen American colonies.

- Semester Introduction
- Peopling the Americas
- First Americans

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Course Details

Subject History

Course Name HST306 SUMMIT U.S. HISTORY (CREDIT RECOVERY)

Cou This course provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Online lessons help students organize their study, explore topics in depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating time lines, completing written assignments, and conducting independent research. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Cou Two Semesters

Prerequisite HST103: World History or HST203: Modern World Studies (or equivalents)

Cou

Students explore the diversity of the first Americans and the land they inhabited. They trace the rise of European nations and the Age of Exploration after centuries of strife, read an entry from Columbus's log, and learn of the decimation of the Native American population after Europeans arrived. They see the extent of the Spanish empire in the Americas and read of the hardships in Jamestown. The unit then turns to the founding and maturing of England's thirteen American colonies.

- Semester Introduction
- Peopling the Americas
- First Americans

CHAT



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Course Details

Subject History
Course Name HST313 SUMMIT MODERN U.S. HISTORY

Cou 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 drawn from K12's *The American Odyssey: A History of the United States*. Online lessons help students organize study, explore topics in-depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating time lines, completing projects and written assignments, and conducting independent research.

Cou Two Semesters

Prerequisite Middle School American History A and American History B (or equivalents)

Cou

Students review the origins of the United States from the founding of the English colonies through the increased tensions and Enlightenment thought that led to the American Revolution. They explore the issues the new nation faced in forming a government and reinforce their knowledge of how the American system of government works under the United States Constitution.

- Semester Introduction
- Discuss: Getting to Know You
- The New England Colonies
- The Middle and Southern Colonies
- New Ideas

CHAT



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Course Details

Subject History

Course Name HST314 SUMMIT MODERN U.S. HISTORY HONORS

Cou This course is a challenging 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 drawn from K12's *The American Odyssey: A History of the United States*. Online lessons help students organize study, explore topics in-depth, review in preparation for assessments, and practice advanced skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating time lines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.

Cou Two Semesters

Prerequisite Middle School American History A and American History B (or equivalents); and teacher/school counselor recommendation

Cou

Students review the origins of the United States from the founding of the English colonies through the increased tensions and Enlightenment thought that led to the American Revolution. They explore the issues the new nation faced in forming a government and reinforce their knowledge of how the American system of government works under the United States Constitution.

- Semester Introduction
- The New England Colonies
- The Middle and Southern Colonies
- New Ideas

CHAT



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Course Details

Subject History

Course Name HST316 SUMMIT MODERN U.S. HISTORY (CREDIT RECOVERY)

Cou This course provides students with a comprehensive view of American history from the industrial revolution of the late nineteenth century to recent events. Online lessons help students organize study, explore topics in-depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing written assignments, and conducting independent research. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Cou Two Semesters

Prerequisite K12 Middle School American History A and American History B (or equivalents)

Cou

Students review the origins of the United States from the founding of the English colonies through the increased tensions and Enlightenment thought that led to the American Revolution. They explore the issues the new nation faced in forming a government, and reinforce their knowledge of how the American system of government works under the United States Constitution.

- Semester Introduction
- The New England Colonies
- The Middle and Southern Colonies
- New Ideas
- The Road to Revolution

CHAT



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Course Details

Subject History

Course Name HST403 SUMMIT U.S. GOVERNMENT AND POLITICS

Cou This course studies the history, organization, and functions of the United States government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and our 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, and discuss their own views on current political issues.

Cou One Semester

Prerequisite HST303: U.S. History (or equivalent) is recommended, but not required

Cou Students identify the purposes of government and evaluate theories about its origins. They compare and contrast power and authority, describe types of government, and learn the basic ideas of American democracy.

- The Purposes and Origins of Government
- Power and Government
- Types of Government

Unit 2: Constitutional Underpinnings

CHAT



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Course Details

Subject History

Course Name HST406 SUMMIT U.S. GOVERNMENT AND POLITICS (CREDIT RECOVERY)

CHAT



(/cont

Cou This course studies the history, organization, and functions of the United States government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and our 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 discuss their own views on current political issues. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Cou One Semester

Prerequisite HST303: U.S. History (or equivalent) is recommended but not required

Cou

Students identify the purposes of government, and evaluate theories about its origins. They compare and contrast power and authority, describe types of government, and learn the basic ideas of American democracy.

- The Purposes and Origins of Government
- Power and Government
- Types of Government

Unit 2: Constitutional Underpinnings

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Course Details

Subject History

Course Name HST413 SUMMIT U.S. AND GLOBAL ECONOMICS

Cou In this course on economic principles, students explore choices they face as producers, consumers, investors, and taxpayers. 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, the role 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 a survey of markets in such areas as China, Europe, and the Middle East.

Cou One Semester

Prerequisite HST403: U.S. Government and Politics (or equivalent) is recommended, but not required

Cou Economics has a lot in common with games—they both have players and rules, and involve decisions, actions, and goals. This unit introduces students to the game of economics.

- What Is Economics Anyway?
- Different Ways to Play
- Dollars and Sense
- Technology and Economics

Unit 2: The Players

CHAT



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Course Details

Subject History

Course Name HST416 SUMMIT ECONOMICS (CREDIT RECOVERY)

Cou Students are introduced to the basics of economic principles, and they will learn the importance of understanding different economic systems. They will also investigate how to think like an economist. Students will explore different economic systems, including the American Free Enterprise System, and they will analyze and interpret data to understand the laws of supply and demand. Students will also be presented with economic applications in today's world. From economics in the world of business, money, banking, and finance, students will see how economics is applied both domestically and globally. Students will also study how the government is involved in establishing economic stability in the American Free Enterprise System, as well as how the U.S. economy has a global impact. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Course Length One Semester

Prerequisite None

Cou

Course Introduction

- Getting Started
- Research Project

Unit 2: Foundations of Economics and the Problem of Scarcity

- Thinking Like an Economist
- Scarcity and the Factors of Production
- Decision Making

CHAT



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Course Details

Subject History
Course Name HST500 AP® U.S. HISTORY

Cou 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 to the sequence of topics recommended by the College Board and to widely used textbooks. The course prepares students for the AP Exam.

Cou Two Semesters

Prerequisite Success in previous history course; and teacher/school counselor recommendation

Cou -1763)
Students practice critical thinking, identify historians' biases, and read original documents critically. They look at European nations in the late 15th century and their struggle for power in the Americas, the development of the English colonies in North America, and the effects of those colonies on native people. They look at the colonies' assertion of their own right to self-governance. The content in this unit maps to the following sections of the College Board's AP topic outline: Transatlantic Encounters and Colonial Beginnings; Colonial North America; The American Revolutionary Era.

- Introducing AP U.S. History
- Colonial Development
- Governing the Colonies

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Course Details

Subject History

Course Name HST510: AP® U.S. GOVERNMENT AND POLITICS

Cou This course is the equivalent of an introductory college-level course. Students explore the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students gain the analytical perspective necessary to evaluate political data, hypotheses, concepts, opinions, and processes and learn how to gather data about political behavior and develop their own theoretical analysis of American politics. Students also build the skills they need to examine general propositions about government and politics, and to analyze specific relationships between political, social, and economic institutions. Students prepare for the AP Exam and for further study in political science, law, education, business, and history.

Cou One Semester

Prerequisite HST304: Honors U.S. History (or equivalent); and teacher/school counselor recommendation

Cou This unit introduces the study of American politics, presents three important ways of looking at the American political system, and examines the constitutional foundations and federal framework of American politics. Students see how the political institutions that make up our system (interest groups, political parties, and Congress) are shaped. In the College Board's topic outline, the content in this unit maps to Constitutional Underpinnings of United States Government (Considerations that influenced the formulation and adoption of the Constitution; Separation of powers; Federalism; Theories of democratic government).

- Politics in a Democracy
- Constitutional Foundations

CHAT



(/cont

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Course Details

Subject History
Course Name HST520 AP® MACROECONOMICS



Cou This course is the equivalent of an introductory college-level course. Students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. Students also examine how individuals and institutions are influenced by employment rates, government spending, inflation, taxes, and production. Students prepare for the AP Exam and for further study in business, political science, and history.

Course Length One Semester

Prerequisite MTH309: Summit Algebra 2 Honors (or equivalent); and teacher/school counselor recommendation

Cou Ten Principles of Economics
Thinking Like an Economist
Interdependence and the Gains from Trade
The Market Forces of Supply and Demand
Earnings and Discrimination
Measuring a Nation's Income
Measuring the Cost of Living
Production and Growth

CHAT


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Course Details

Subject History
Course Name HST530 AP® MICROECONOMICS



Cou This course is the equivalent of an introductory college-level course. Students explore the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students learn why the same product can cost different amounts at different stores, in different cities, and at different times. Students also learn to spot patterns in economic behavior and learn how to use those patterns to explain buyer and seller behavior under various conditions. Lessons promote an understanding of the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in the economy. Students prepare for the AP Exam and for further study in business, history, and political science.

Course Length One Semester

Prerequisite MTH309: Summit Algebra 2 Honors (or equivalent); and teacher/school counselor recommendation

Cou Ten Principles of Economics
Thinking Like an Economist
Interdependence and the Gains from Trade
The Market Forces of Supply and Demand
Elasticity and Its Application
Supply Demand and Government Policies
Consumers Producers and the Efficiency of Markets

CHAT



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Course Details

Subject History

Course Name HST540 AP® PSYCHOLOGY

Cou This course is the equivalent of an introductory college-level course. Students receive an overview of current psychological research methods and theories. They 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 study core psychological concepts, such as the brain and sensory functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Students prepare for the AP Exam and for further studies in psychology and life sciences.

Cou One Semester

Prerequisite Success in SCI204: Summit Biology Honors(or equivalent); and teacher/school counselor recommendation

CHAT



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Course Details

Subject History
Course Name HST560 AP® WORLD HISTORY



Cou This course spans the Neolithic Age 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 phenomenon, and developing historical interpretation. Students prepare for the AP® World History exam.

Cou Two Semesters

Prerequisite Success in previous history course; and teacher/school counselor recommendation

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name LAW050-DYN PRINCIPLES OF PUBLIC SERVICE: TO SERVE & PROTECT

Cou Have you ever wondered who decides where to put roads? Or makes sure that someone answers the phone when you call 911? Or determines that a new drug is safe for the public? These tasks and many more are part of public service, a field that focuses on building healthy societies. Public service includes many different types of careers, but they all have in common the goal of working for others. This course will explore some of the most common career paths in public service. Working for the public also comes with a very specific set of expectations since protecting society is such an important mission. So if you want to work for the greater good, there is probably a public service career for you!

Cou One Semester

Cou

Analyze economic, political, and social trends likely to affect an agency or department.

- Discuss the need to infuse understanding of vision, missions, and goals into all departmental activities.
- Define the concept of risk management.
- Learn how to seek a variety of input from all stakeholders.
- Assess the effect of probable changes on the public.

The Business of Government

- Maintain financial records.
- Prepare and administer budgets.

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name MFG220-PBL MANUFACTURING SYSTEMS



Cou This course is a Project Based Learning course (PBL). In this course, students will develop skills in automated systems; developing basic robot programs; CAM (Computer Aided Manufacturing w/SpectraCAM Milling), and the CAD/CAM process of developing CNC milling programs. Students will work virtually with fluid power (pneumatics), as used in manufacturing systems; hand tools; and be introduced to QC (quality control) and skills measurement.

Cou One Semester

Prerequisite None

CHAT



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Course Details

Subject Math
Course Name MTH001: MATH FOUNDATIONS I (REMEDIATION)

Cou Students build and reinforce foundational math skills typically found in third through fifth grade for which they have not achieved mastery. They progress through carefully paced, guided instruction and engaging interactive practice. If needed, students can move on to Math Foundations II (addressing skills typically found in sixth through eighth grade) to further develop the computational skills and conceptual understanding needed to undertake high school math courses with confidence.

Cou Two Semesters

Prerequisite Teacher/school counselor recommendation

Cou

Students begin with a diagnostic to find out what they know. Then they learn about basic odd and even numbers, including solving by grouping, regrouping, word problems, identifying un-needed information, skip counting, and mental math.

- Addition and Subtraction With Regrouping
- Understanding Numbers
- Ordering Numbers
- Fact Families
- Using Mental Math
- Choosing the Operation
- Adding Numbers Horizontally

CHAT



(/cont

HIGH SCHOOL COURSES (9-12)

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Course Details

Subject Math

Course Name MTH011 MATH FOUNDATIONS II (REMEDIATION)

Cou Students build and reinforce foundational math skills typically found in sixth through eighth grade, achieving the computational skills and conceptual understanding needed to undertake high school math courses with confidence. Carefully paced, guided instruction is accompanied by interactive practice that is engaging and accessible. This course is appropriate for use as remediation at the high school level or as a bridge to high school.

Cou Two Semesters

Prerequisite Teacher/school counselor recommendation; MTH001: Math Foundations I is not required

Cou

Students begin with a diagnostic to find out what they know. Then they learn about rounding numbers, order of operations, square numbers and square roots, five step thinking plan to solving word problems, multiplication properties, division, factoring, comparing fractions, addition/subtraction of fractions, and multiplication/division of fractions.

- Number Sense: Rounding, Estimating, and Range
- Number Operations
- Number Sense: Squares and Square Root
- Problem Solving: The 5-Step Plan
- Problem Solving: Application
- Multiplication: Properties

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Course Details

Subject Math
Course Name MTH107 SUMMIT DEVELOPMENTAL ALGEBRA

Cou This is the first course in a two-year algebra sequence that concludes with Continuing Algebra. In this course, students begin to explore the tools and principles of algebra. Students learn to identify the structure and properties of the real number system; complete operations with integers and other rational numbers; work with square roots and irrational numbers; graph linear equations; solve linear equations and inequalities in one variable; and solve systems of linear equations. Sophisticated virtual manipulatives and online graphing tools help students visualize algebraic relationships. Developmental Algebra covers fewer topics than a one-year algebra course, providing students with more time to learn and practice key concepts and skills. After completing Developmental Algebra, students will be prepared to take Continuing Algebra.

Cou Two Semesters

Prerequisite MTH113: Pre-Algebra (or equivalent)

Cou

The English word algebra and the Spanish word algebrista both come from the Arabic word al-jabr, which means “restoration.” A barber in medieval times often called himself an algebrista. The algebrista also was a bonesetter who restored or fixed bones. Mathematicians today use algebra to solve problems.

- Semester Introduction
- Foundations
- Foundations Wrap-Up

CHAT



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Course Details

Subject Math
Course Name MTH113 PRE-ALGEBRA

Cou In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students translate word phrases and sentences into mathematical expressions; analyze geometric figures; solve problems involving percentages, ratios, and proportions; graph different kinds of equations and inequalities; calculate statistical measures and probabilities; apply the Pythagorean theorem; and explain strategies for solving real-world problems. Lessons provide demonstrations of key concepts as well as interactive problems with contextual feedback. A textbook supplements the online material.

Cou Two Semesters

Prerequisite Middle School Fundamentals of Geometry and Algebra (or equivalent)

Note Students who have already succeeded in Middle School PreAlgebra or Intermediate Mathematics C should not enroll in this course.

Cou

Let's start at the very beginning; it's a very good place to start. Just as you need to know basic grammar and vocabulary as you begin to learn any language, you need to know some basic building blocks as you begin to learn algebra.

- Semester Introduction
- Order of Operations
- Variable Expressions
- Writing Expressions for Word Phrases

CHAT



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Course Details

Subject Math

Course Name MTH126 SUMMIT ALGEBRA I (CREDIT RECOVERY)

Cou The Algebra 1 Credit Recovery course leads students from their proficiency and understanding of numbers and operations into the mathematics of algebraic thinking. Building on pre-algebra skills developed in middle school, students deepen their understanding of linear expressions and equations, linear inequalities, and coordinate graphing. They then explore and learn about the function concept, radical expressions, exponential expressions and functions, quadratic functions, systems of equations, factoring and roots of equations, and basic statistical analysis.

Course Length Two Semesters

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

Cou

- Unit 1: Expressions and Problem Solving
- Unit 2: One-Variable Linear Equations
- Unit 3: One-Variable Linear Inequalities
- Unit 4: Two-Variable Linear Equations
- Unit 5: Two-Variable Linear Inequalities
- Unit 6: Introduction to Functions
- Unit 7: Special Functions
- Unit 8: Radical Expressions
- Unit 9: Exponential Equations
- Unit 10: Exponential Functions
- Unit 11: Sequences

SEM

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Course Details

Subject Math
Course Name MTH128 SUMMIT ALGEBRA 1



Cou 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.

Course Length Two Semesters

Cou

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

SEMESTER 2

- Unit 1: Systems of Equations
- Unit 2: Polynomials
- Unit 3: Quadratic Equations

CHAT



(/cont

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Course Details

Subject Math
Course Name MTH129 BRIDGE TO ALGEBRA 1



Cou

Success in Algebra 1 depends on a student's proficiency in concepts presented in prior courses, and the ability to integrate new concepts with that prior knowledge. The Bridge to Algebra 1 course incorporates all the necessary prerequisite skills required for student success. The course assesses students on these prerequisite skills before presenting related Algebra 1 concepts. Success on these assessments indicates preparedness for the next step in algebraic conceptual thinking. Lack of success on these assessments initiates a review of prerequisite concepts. These carefully planned reviews are "bridges" to Algebra 1. By design, only those bridges determined to be appropriate for the individual student are released within the student's course sequence, providing a personalized path. Each Algebra 1 unit includes two or three bridges of prerequisite concepts and skills. Each bridge strings together two levels of prerequisite content. The first level draws from concepts addressed in grades 7 and 8, and the second level digs even further back into foundational skills to draw from grades 7 and 6 content. Upon completion of a bridge, the associated new Algebra 1 concepts are presented. The bridges provide students with an opportunity to improve skills and increase the likelihood of success in Algebra 1. They aid in solidifying the connections that complete the puzzle of how mathematical topics are related.

The Bridge to Algebra 1 course offers the same instructional content as K12's Algebra 1 course offers, helping students to formalize and extend the mathematics they have learned in the middle grades and revisited in bridges content. 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.

Course Length Two Semesters

Prerequisite School recommendation; Suggested that students have taken Summit Math Grade 8 or equivalent

CHAT



(/cont

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Course Details

Subject Math
Course Name MTH129 SUMMIT ALGEBRA 1 HONORS



Cou K12's 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.

Course Length Two Semesters

Cou

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

SEMESTER 2

- Unit 1: Systems of Equations
- Unit 2: Polynomials

CHAT



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Course Details

Subject Math

Course Name MTH146 SUMMIT INTEGRATED MATHEMATICS I (CREDIT RECOVERY)

Cou This first-year credit recovery high school integrated math course focuses on linear and simple exponential models. The course contrasts linear behavior with exponential behavior, and uses both linear and simple exponential equations as models. Students learn about and work extensively with functions—analyzing function properties and behavior, creating and transforming functions, and applying functions to various continuous and discrete situations. The statistics in the course cover both univariate and bivariate data. For univariate data, students learn about measures of center and spread. For bivariate data, they learn about correlation and fitting data to a line. The topics in geometry include transformations, reasoning, congruence, construction, and analytic geometry. Students take diagnostic tests at regular intervals to assess their current knowledge of fundamental content.

Cou Two Semesters

Prerequisite Student previously took MTH148: Summit Integrated Mathematics I or its equivalent but did not receive credit; teacher/school counselor recommendation

Cou

This unit focuses on variables and algebraic expressions. Students practice translating real-world situations into mathematical expressions and equations, and use units to understand problems. In addition, students learn how the structure of a mathematical expression explains the relationships between the quantities in the real-world context it models.

- Semester 1 Introduction
- Foundations for Unit 1

CHAT



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Course Details

Subject Math
Course Name MTH148 SUMMIT INTEGRATED MATHEMATICS I

Cou This first-year high school integrated math course focuses on linear and simple exponential models. The course contrasts linear behavior with exponential behavior and uses both linear and simple exponential equations as models. Students learn about and work extensively with functions—analyzing function properties and behavior, creating and transforming functions, and applying functions to various continuous and discrete situations. The statistics in the course cover both univariate and bivariate data. For univariate data, students learn about measures of center and spread. For bivariate data, they learn about correlation and fitting data to a line. The topics in geometry include transformations, reasoning, congruence, construction, and analytic geometry.

Course Length Two Semesters
Prerequisite K12 Intermediate Mathematics C or MTH113: Pre-Algebra (or equivalent)

Course Outline **SEMESTER ONE**
Unit 1: Expressions and Problem Solvi
This unit focuses on variables and measurement. Students practice translating real-world situations into mathematical expressions and equations, and they use units to understand problems. In addition, students look at what the structure of a mathematical expression can say about the relationships between quantities in a real-world context it models.

- Semester 1 Introduction
- Foundations for Unit 1
- Expressions

CHAT



(/cont

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Course Details

Subject Math
Course Name MTH206 SUMMIT GEOMETRY CREDIT RECOVERY



Cou The Geometry course combines mathematical reasoning and proof with an extension of students' algebraic development in geometric contexts. The course focuses primarily on two-dimensional shapes in the Euclidean plane. Starting with segments and angles, students develop understanding of and work through problems and proofs involving congruence, similarity, parallel and perpendicular lines, quadrilaterals, and circles. Toward the end of the course, time is also spent extending the treatment of triangles into basic trigonometry concepts and providing students with a detailed taste of analytic geometry by developing and using the equation of a circle in the coordinate plane.

Course Length Two Semesters

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

Cou

- Unit 1: Basic Tools
- Unit 2: Transformations
- Unit 3: Reasoning and Proof
- Unit 4: Vertical Angles and Corresponding Parts
- Unit 5: Congruent Figures
- Unit 6: Perimeter and Area
- Unit 7: Equations of Parallel and Perpendicular Lines
- Unit 8: Parallel Line and Triangle Properties
- Unit 9: Triangle and Quadrilateral Properties
- Unit 10: Similarity

CHAT



(/cont

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Course Details

Subject Math
Course Name MTH207 SUMMIT CONTINUING ALGEBRA

Cou This is the second course in a two-year algebra sequence. In this course, students build on what they learned in Developmental Algebra to complete their knowledge of all topics associated with a deep understanding of Algebra I. They learn about relations and functions, radicals and radical expressions, polynomials and their graphs, factoring expressions and using factoring to solve equations, solving quadratics, rational expressions, and logic and reasoning.

Cou Two Semesters

Prerequisite MTH107: Developmental Algebra (or equivalent)

Cou

A solar cell is a little machine that takes in solar energy and puts out electricity. A mathematical function is a machine that takes in a number as an input and produces another number as an output. There are many kinds of functions. Some have graphs that look like lines, while others have graphs that curve like a parabola. Functions can take other forms as well. Not every function has a graph that looks like a line or a parabola. Not every function has an equation. The important thing to remember is that if you put any valid input into a function, you will get a single result out of it.

- Semester Introduction
- Foundations
- Foundations Wrap-Up
- Relations
- Relations Wrap-Up

CHAT



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Course Details

Subject Math
Course Name MTH208 SUMMIT GEOMETRY



Cou This Summit Geometry 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.

Course Length Two Semesters

Prerequisite Algebra 1 (or equivalent)

Cou

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

SEMESTER 2

- Unit 1: Triangle Similarity
- Unit 2: Area and Volume
- Unit 3: Circles
- Unit 4: Right Triangle Trigonometry

CHAT



(/cont

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Course Details

Subject Math
Course Name MTH209 BRIDGE TO GEOMETRY



Cou

Success in Geometry depends on a student’s proficiency in concepts presented in prior courses, and the ability to integrate new concepts with that prior knowledge. The Bridge to Geometry course incorporates all the necessary prerequisite skills required for student success. The course assesses students on these prerequisite skills before presenting related Geometry concepts. Success on these assessments indicates preparedness for the next step in algebraic conceptual thinking. Lack of success on these assessments initiates a review of prerequisite concepts. These carefully planned reviews are “bridges” to Geometry. By design, only those bridges determined to be appropriate for the individual student are released within the student’s course sequence, providing a personalized path. Each Geometry unit includes two or three bridges of prerequisite concepts and skills. Each bridge strings together two levels of prerequisite content. The first level draws from concepts addressed in grades 7 and 8, and the second level digs even further back into foundational skills to draw from grades 7 and 6 content. Upon completion of a bridge, the associated new Geometry concepts are presented. The bridges provide students with an opportunity to improve skills and increase the likelihood of success in Geometry. They aid in solidifying the connections that complete the puzzle of how mathematical topics are related.

The Bridge to Geometry course offers the same instructional content as K12’s Geometry course offers. 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.

Cou Two Semesters

CHAT



(/cont

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Course Details

Subject Math
Course Name MTH209 SUMMIT GEOMETRY HONORS



Cou 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.

Course Length Two Semesters

Prerequisite Algebra 1 (or equivalent)

Cou

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

SEMESTER 2

- Unit 1: Triangle Similarity

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Course Details

Subject Math

Course Name MTH246 SUMMIT INTEGRATED MATHEMATICS II (CREDIT RECOVERY)

Cou This credit recovery math course focuses on extending the number system to include irrational and complex numbers as well as computation with quadratic polynomials. The course continues with quadratic expressions, equations, and functions, including making comparisons to their linear and exponential counterparts, covered in MTH148: Integrated Mathematics I. The course also introduces conditional probability as a way to make better decisions when given limited information. Geometry topics include similarity, right triangle trigonometry, and volume. Students use the tools of analytic geometry, synthesizing algebra and geometry concepts, to describe circles and parabolas in the coordinate plane. Because the course is designed specifically for credit recovery, the content is appropriately grouped into smaller topics to increase retention and expand opportunities for assessment. Students take diagnostic tests at regular intervals to assess their current knowledge of fundamental content.

Cou Two Semesters

Prerequisite MTH148: Summit Integrated Mathematics I and student previously took MTH248: Summit Integrated Mathematics II or its equivalent but did not receive credit; teacher/school counselor recommendation

Cou

As with real numbers, operations can be performed on polynomials. In this unit, students learn how to perform operations on polynomials and explore the closure of polynomials before learning several methods for factoring polynomials. Lastly, students use factoring to find roots of a polynomial equation.

CHAT



(/cont

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Course Details

Subject Math
Course Name MTH248 SUMMIT INTEGRATED MATHEMATICS II



Cou Integrated Mathematics II, a second-year high school math course, introduces students to polynomials, including the factoring of polynomials, before moving onto quadratics equations and quadratic functions. Students expand on their knowledge of sequences in learning about series. The course also covers probability, including conditional probability. There are many geometry topics in the course, including transversals, quadrilaterals, similarity, volume, and circles. Students solve problems using right triangle trigonometry and special right triangles, and use the tools of analytic geometry to describe circles and parabolas in the coordinate plane.

Course Length Two Semesters
Prerequisite MTH148: Summit Integrated Mathematics I (or equivalent)

Course Outline SEMESTER 1

Unit 1: Polynomials

As with real numbers, operations can be performed on polynomials. In this unit, students learn how to perform operations on polynomials and explore the closure of polynomials before learning several methods for factoring polynomials. Lastly, students use factoring to find roots of a polynomial equation.

- Semester 1 Introduction
- Foundations for Unit 1
- Overview of Polynomials

CHAT



(/cont

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Course Details

Subject Math
Course Name MTH306 SUMMIT ALGEBRA 2 (CREDIT RECOVERY)

Cou The Algebra 2 course builds on the mathematical proficiency and reasoning skills developed in Algebra 1 and Geometry to lead students into advanced algebraic work. The course emphasizes the concept of functions throughout. Sandwiched between short forays into probability and statistics is a thorough treatment of linear, quadratic, higher-degree polynomial, exponential, logarithmic, and trigonometric functions, with emphasis on analysis, problem solving, and graphing. Toward the end of the course, an introduction to sequences and series is presented in preparation for future work in mathematics.

Course Length Two Semesters

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

Cou

- Unit 1: Probability Distributions
- Unit 2: Data Gathering and Analysis
- Unit 3: Systems of Linear Equations
- Unit 4: Systems of Linear Inequalities
- Unit 5: Radical Expressions
- Unit 6: Complex Numbers
- Unit 7: Polynomials and Factoring
- Unit 8: Solving Polynomial Equations
- Unit 9: Polynomial Functions
- Unit 10: Rational Expressions

SEM

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Course Details

Subject Math
Course Name MTH307 SUMMIT PRACTICAL MATH

Cou In this course, students use math to solve real-world problems—and real-world problems to solidify their understanding of key mathematical topics. Data analysis, math modeling, and personal finance are key themes in this course. Specific topics of study include statistics, probability, graphs of statistical data, regression, finance, and budgeting. In addition, students learn how to use several mathematical models involving algebra and geometry to solve problems. Proficiency is measured through frequent online and offline assessments as well as class participation. Units focused on projects also allow students to apply and extend their math skills in real-world cases.

Cou Two Semesters

Prerequisite Algebra I and Geometry

Cou

Graphs are often used to represent numerical facts, or data. The graph used depends on the kind of numbers in the data set. For example, a line graph would probably be the best graph to use to represent average temperatures' change over time. In this unit, students learn how to read graphs and how to tell if a graph is accurate or misleading.

- Semester Introduction
- Foundations
- Measures of Center 1
- Measures of Center 2
- Measures of Center 3

CHAT



(/cont

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Course Details

Subject Math
Course Name MTH308 BRIDGE TO ALGEBRA 2



Cou

Success in Algebra 2 depends on a student's proficiency in concepts presented in prior courses, and the ability to integrate new concepts with that prior knowledge. The Bridge to Algebra 2 course incorporates all the necessary prerequisite skills required for student success. The course assesses students on these prerequisite skills before presenting related Algebra 2 concepts. Success on these assessments indicates preparedness for the next step in algebraic conceptual thinking. Lack of success on these assessments initiates a review of prerequisite concepts. These carefully planned reviews are "bridges" to Algebra 2. By design, only those bridges determined to be appropriate for the individual student are released within the student's course sequence, providing a personalized path. Each Algebra 2 unit includes two or three bridges of prerequisite concepts and skills. Each bridge strings together two levels of prerequisite content. The first level draws from concepts addressed in grades 7 and 8, and the second level digs even further back into foundational skills to draw from grades 7 and 6 content. Upon completion of a bridge, the associated new Algebra 2 concepts are presented. The bridges provide students with an opportunity to improve skills and increase the likelihood of success in Algebra 2. They aid in solidifying the connections that complete the puzzle of how mathematical topics are related.

The Bridge to Algebra 2 course offers the same instructional content as K12's Algebra 2 course offers. 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.

Cou Two Semesters

CHAT



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Course Details

Subject Math
Course Name MTH308 SUMMIT ALGEBRA 2



Cou 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.

Course Length Two Semesters

Prerequisite Algebra 1 and Geometry (or equivalents)

Cou

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

SEMESTER 2

- Unit 1: Graphs of Sinusoidal Functions
- Unit 2: More Function Types

CHAT



(/cont

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Course Details

Subject Math
Course Name MTH309 SUMMIT ALGEBRA 2 HONORS



Cou This Summit Algebra 2 Honors 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.
This course includes all the topics in MTH308 as well as several extension activities. Each semester also includes an independent honors project.

Course Length Two Semesters
Prerequisite Algebra 1 and Geometry (or equivalents)

Cou

- 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

SEMESTER 2

CHAT



(/cont

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Course Details

Subject Math
Course Name MTH332 SUMMIT CONSUMER MATH

Cou Students will build mathematical skills that allow students to solve problems and reason logically. Students will be able to communicate their understanding by organizing, clarifying, and refining mathematical information for a given purpose. Students will use every day and mathematical language and notation in appropriate and efficient forms to clearly express or represent complex ideas and information.

Cou Two Semesters

Prerequisite Algebra 1

Cou

Number sense is our understanding of numbers that allows us to approach concepts, ideas and problems concerning numbers based on our backgrounds, experiences, and education. In this unit, students explore many types of numbers and learn to check their answers for reasonableness by using estimation.

- Single-Step Estimation
- Whole Numbers
- Integers
- Fractions and Decimals
- Exponents and Square Roots
- Rational Numbers

CHAT



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Course Details

Subject Math

Course Name MTH346 SUMMIT INTEGRATED MATHEMATICS III (CREDIT RECOVERY)

CHAT



(/cont

Cou In this third-year credit recovery high school math course, students expand on previous high school math topics including systems of equations and inequalities, polynomials, trigonometry, statistics, and functions. The introduction of complex numbers leads to new adventures in factoring polynomials, solving polynomial equations, and graphing polynomials. Students work with radical and rational expressions and equations and extend their knowledge of exponential functions to inverses and logarithmic functions. In geometry, they learn about the unit circle and use trigonometric functions to model periodic processes. Other geometric topics include three-dimensional visualization, design and optimization, and real-world modeling. Students are introduced to piecewise and logistic functions and perform quadratic and exponential regressions. Finally, students use statistical and probability tools, such as the standard normal distribution, to understand data, and use simulations, experiments, and surveys to make inferences. Students take diagnostic tests at regular intervals to assess their current knowledge of fundamental content.

Cou Two Semesters

Prerequisite MTH248: Integrated Mathematics II (or equivalent)

Cou

In this unit, students extend solving systems of two linear equations to solving systems of three linear equations and learn how to solve compound inequalities. They also learn how to use equations and inequalities to solve linear programming problems, including problems about maximizing profit and minimizing cost.

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Course Details

Subject Math
Course Name MTH348 SUMMIT INTEGRATED MATHEMATICS III

Cou In this third-year high school math course, students expand on previous high school math topics including systems of equations and inequalities, polynomials, trigonometry, statistics, and functions. The introduction of complex numbers leads to new adventures in factoring polynomials, solving polynomial equations, and graphing polynomials. Students work with radical and rational expressions and equations and extend their knowledge of exponential functions to inverses and logarithmic functions. In geometry, they learn about the unit circle and use trigonometric functions to model periodic processes. Other geometric topics include three-dimensional visualization, design and optimization, and real-world modeling. Students are introduced to piecewise and logistic functions and perform quadratic and exponential regressions. Finally, students use statistical and probability tools, such as the standard normal distribution, to understand data, and use simulations, experiments, and surveys to make inferences. Students take diagnostic tests at regular intervals to assess their current knowledge of fundamental content.

Cou Two Semesters

Prerequisite MTH248: Summit Integrated Mathematics II (or equivalent)

Cou

In this unit, students extend solving systems of two linear equations to solving systems of three linear equations and learn how to solve compound inequalities. They also learn how to use equations and inequalities to solve linear programming problems, including problems about maximizing profit and minimizing cost.

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Course Details

Subject Math

Course Name MTH403 SUMMIT PRE-CALCULUS/ TRIGONOMETRY

Cou 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 the algebra and the geometry of concepts highlights the interwoven nature of the study of mathematics.

Cou Two Semesters

Prerequisite MTH203: Geometry and MTH303: Algebra II (or equivalent)

Cou

Students extend their understanding of quadratic, radical and rational equations to encompass inequalities of the same. Concepts and theorems of polynomial and rational equations and functions are reviewed and extended to include holes, slant asymptotes and limit notation to end behavior.

- Solving quadratic, radical and rational inequalities

CHAT



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Course Details

Subject Math
Course Name MTH413 SUMMIT PROBABILITY AND STATISTICS

Cou 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.

Cou One Semester

Prerequisite MTH 302: Algebra II (or equivalent)

Cou

Students develop skills and instincts that will allow them to create clear, convincing presentations of any data set they encounter. They also learn to look at any data chart or plot with a critical, mathematical eye and point out trends and important features of the data. They work on an extended graphing exercise throughout the unit and prepare a presentation.

- Course Introduction
- Introduction: Representing Data Graphically
- Data and Variables
- Graphs of Categorical Data
- Two-Way Tables
- Line Plots
- Frequency Tables
- Histograms

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Course Details

Subject Math
Course Name MTH433 SUMMIT CALCULUS

Cou This course provides a comprehensive survey of differential and integral calculus concepts, including limits, derivative and 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.

Cou Two Semesters

Prerequisite MTH403: Summit Pre-Calculus/Trigonometry (or equivalent)

Cou

Students learn to use limits to describe the continuity of functions at a point. They evaluate a limit graphically, numerically, and analytically. They also learn the conditions and conclusions of the Intermediate Value Theorem.

- Concept of a Limit
- Algebraic Computation of a Limit
- Limits Involving Infinity
- Continuity
- Intermediate Value Theorem

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Course Details

Subject Math
Course Name MTH500 AP® CALCULUS AB

Cou This course is the equivalent of an introductory college-level calculus course. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also 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. Students prepare for the AP® Exam.

Cou Two Semesters

Prerequisite MTH204: Honors Geometry, MTH304: Honors Algebra II, MTH403: Pre-Calculus/Trigonometry (or equivalents); and teacher/school counselor recommendation

Cou

Students prepare to study calculus by reviewing some basic pre-calculus concepts from algebra and trigonometry. They learn what calculus is, why it was invented, and what it's used for.

- Pre-Calculus Review
- Introduction to Calculus
- Using a Graphing Calculator
- Combining Functions
- Composite and Inverse Functions

CHAT



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Course Details

Subject Math
Course Name MTH510 AP® STATISTICS

Cou This course is the equivalent of an introductory college-level course. Statistics—the art of drawing conclusions from imperfect data and the science of real-world uncertainties— plays an important role in many fields. Students collect, analyze, graph, and interpret real-world data. They learn to design and analyze research studies by reviewing and evaluating examples from real research. Students prepare for the AP® Exam.

Cou Two Semesters

Prerequisite MTH304: Honors Algebra II (or equivalent); and teacher/school counselor recommendation

Cou

Students take a pre-course assessment to be sure they are ready for the challenge of AP Statistics. They explore what statistics is, how it can be used, and how it's misused. They learn some basic statistics terminology, and look at the difference between counts and measures and the difference between descriptive and inferential statistics.

- What Is Statistics?
- Displaying Distributions with Graphs
- Describing Distributions Using Numbers
- Five-Number Summaries
- More on Describing Distributions

CHAT



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Course Details

Subject Math
Course Name MTH520 AP® CALCULUS BC

CHAT



(/cont

Cou This course is the equivalent of an introductory college-level calculus course. In this course, students study functions, limits, derivatives, integrals, and infinite series. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also 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. Students prepare for the AP® Exam.

Cou Two Semesters

Prerequisite MTH204: Honors Geometry, MTH304: Honors Algebra II, MTH403: Pre-Calculus/Trigonometry (or equivalents); and teacher/school counselor recommendation

Cou Students learn the different types of economic systems and how economists analyze them. They explore graphs and equations; two key tools economists use to analyze data and present theories. In the College Board's topic outline, the content in this unit maps to Topic I: Basic Economic Concepts (Scarcity: the nature of economic systems; The functions of any economic system).

- What Is Economics?

Unit 2: Basic Economic Concepts

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Course Details

Subject	Orientation
Course Name	ORN005 WELCOME BACK: MIDDLE AND HIGH SCHOOL
Cou	The Welcome Back: Middle and High School course is an overview of changes and new features in the middle and high school course platform. It is designed for returning middle and high school students with information for Learning Coaches.
Course Length	6–8 hours
Course Outline	Unit 1: Welcome Back Lesson 1: Welcome Back to School

CHAT



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Course Details

Subject Orientation
Course Name ORN010 ONLINE LEARNING: MIDDLE AND HIGH SCHOOL

Cou The Online Learning: Middle and High School course is an introduction to the virtual learning environment for middle and high school students with information for Learning Coaches. Topics include an orientation to people and parts of an online school, the online school platform, opportunities for socializing, sample assessments, and tips about how to create an effective learning environment, manage time, and be successful. Each lesson has video tutorials, printable guides, and practice activities such as sending e-mail or creating schedules and backup plans. Veteran students and Learning Coaches share personal experiences and advice.

Course Length 6–8 hours

Note

Cou

Lesson 1: Welcome to Your Online School

Lesson 2: Tour Your Online School

Lesson 3: How to be Successful

Lesson 4: Tips and Tricks

CHAT



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Course Details

Subject Orientation
Course Name ORN100 FINDING YOUR PATH I



Cou Freshmen begin their school year with a course specifically targeted to their unique concerns. This 10-hour orientation course is unique for each student, as school counselors, advisers, and other staff guide students through an in-depth exploration of their interests, abilities, and skills. Students explore their education and career interests, define goals, and create a path through high school that will get them there. In addition, this course serves as a "home base" where students and school counselors can address topics that are critical to ensuring success in high school and beyond.

Course Length 10 hours

- Cou**
- Finding Your Path
 - Myths and Mindset
 - Orienting Yourself for Success
 - Physical and Social Wellness
 - Your Learning Preferences
 - Career Interests
 - Looking Ahead to Careers
 - Looking Ahead to College
 - Planning Your Path
 - Getting You on Your Path

CHAT



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Course Details

Subject Orientation
Course Name ORN200 FINDING YOUR PATH II



Cou Sophomores begin their school year with a course specifically targeted to their unique concerns. This 10–hour orientation course is unique for each student, as school counselors, advisors, and other staff guide students through an in–depth exploration of their interests, abilities, and skills. Students explore their education and career interests, define goals, and create a path through high school that will get them there. In addition, this course serves as a “home base” where students and school counselors can address topics that are critical to ensuring success in high school and beyond.

Course Length 10 hours

Cou

Why High School?

- Self-Concept
- Stress and Self-Care
- Roles and Relationships
- Staying on Track
- Qualities for Success
- Creating a Schedule
- Looking Ahead to Careers
- Planning Your Path
- Getting You on Your Path

CHAT



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Course Details

Subject Orientation
Course Name ORN300 FINDING YOUR PATH III



Cou Juniors begin their school year with a course specifically targeted to their unique concerns. This 10-hour orientation course is unique for each student, as school counselors, advisors, and other staff guide students through an in-depth exploration of their interests, abilities, and skills. Students explore their education and career interests, define goals, and create a path through high school that will get them there. In addition, this course serves as “home base” where students and school counselors can address topics that are critical to ensuring success in high school and beyond.

Course Length 10 hours

Cou

Finding Your Path

- You So Far, You From Now On
- Health and Wellness, Offline and On
- Do What You Are
- Career Interests
- Looking Ahead to Careers
- Looking Ahead to College
- Getting Ready for College
- Planning Your Path
- Key Steps Just Ahead on the Path

CHAT



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Course Details

Subject Orientation
Course Name ORN400 FINDING YOUR PATH IV



Cou Seniors begin their school year with a course specifically targeted to their unique concerns. This 10-hour orientation course is unique for each student, as school counselors, advisors, and other staff guide students through an in-depth exploration of their interests, abilities, and skills. Students explore their education and career interests, define goals, and create a path through high school that will get them there. In addition, this course serves as a “home base” where students and school counselors can address topics that are critical to ensuring success in high school and beyond.

Course Length 10 hours

Cou

What's Next?

- Changing Roles
- Keeping Healthy
- Exploring Careers
- Education Ahead
- Paying for College
- Managing Time and Money
- Building a Support System
- Evaluating Your Progress
- Getting You on Your Path

CHAT



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Course Details

Subject Additional Electives
Course Name OTH010 SUMMIT SKILLS FOR HEALTH (ELECTIVE)

CHAT



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Cou 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.

Cou One Semester

Cou

Students consider three basic questions: What is health? How do your top health concerns compare with the top 10 health issues in the United States today? What are the most important skills you can learn to protect your health for the rest of your life?

- What Is Health?
- Building Skills for Health

Unit 2: Thoughts and Feelings

Students learn and practice new health skills that are critical to mental and emotional health—how to communicate thoughts and feelings to others in a healthy way and how to manage stress. Students find information about the types of mental health problems teens can experience, and how to get help for themselves or a friend.

- Mirror, Mirror on the Wall

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Course Details

Subject Additional Electives
Course Name OTH011 SUMMIT PERSONAL HEALTH



Cou In this course, tenth-grade students will study physical, emotional, mental, and social health. They will study how to maintain and improve all facets of health while learning about disease and illness prevention. Students will also study the effects of tobacco, alcohol, and substance abuse for the individual as well as communities. In addition to their reading lessons, students complete a variety of activities, assignments, quizzes, and tests to assess their understanding of the content studied.

Course Length One Semester

Prerequisite None

Cou

- Unit 1: Health and Family
- Unit 2: Relationships and Nutrition
- Unit 3: Physical Fitness
- Unit 4: Human Development and Preventing Disease
- Unit 5: Health and Safety

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Course Details

Subject Additional Electives
Course Name OTH016 SUMMIT HEALTH (CREDIT RECOVERY)



Cou In this Health course, students develop the knowledge and skills they need to make healthy decisions that allow them to stay active, safe, and informed. The course presents the components of a healthy lifestyle and strategies for making healthy choices. Instructional material introduces students to the concepts of mental, emotional, social, consumer, and physical health. Students have opportunities to apply their value systems to decisions concerning their own health. They learn about the importance of good nutrition and how to help prevent many prevalent diseases. They also learn basic first aid and CPR skills and develop an awareness of the dangers of drug, alcohol, and tobacco use. Students develop communication skills in this one-semester course that allow them to demonstrate healthy choices with respect for self, family, and others.

Course Length One Semester

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

Cou

- Module A: Emotions and Identity
- Module B: Understanding Stress, Depression, Suicide, and Death
- Module C: Social and Consumer Health
- Module D: Nutrition and Exercise Module E: Disease and Prevention
- Module F: CPR, First Aid, and Safety
- Module G: Human Sexuality A
- Module H: Human Sexuality B
- Module I: Alcohol, Drug, and Tobacco Awareness

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH018 FASHION AND INTERIOR DESIGN



Cou From the clothes we wear to the homes we live in, fashion and design is all around us. In this course, students who have a flair for fashion or who constantly redecorate their room find out what it is like to work in the design industry by exploring career possibilities and the background needed to pursue them. Students try their hand at designing as they learn the basics of color and design, then test their skills through hands-on projects. In addition, they develop the essential communication skills that build success in any business. By the end of the course, students are well on their way to developing the portfolio needed to get started in this exciting field.

Course Length One Semester

Cou Unit 1: Introduction to Fashion and Interior Design
Unit 2: Building Basic Skills for the Design Industry
Unit 3: Tools of the Trade
Unit 4: Sewing and Technology
Unit 5 : Clothing
Midterm Exam
Unit 6: Fashion Design Project
Unit 7: Interior and Environmental Design
Unit 8: Considering Interior Design
Unit 9: Interior Design Project
Unit 10: Presenting as a Professional
Final Exam

CHAT



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Course Details

Subject Additional Electives
Course Name OTH020 SUMMIT PHYSICAL EDUCATION (ELECTIVE)



Course Description

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.

Course Length

Two Semesters

Course Outline

SEMESTER 1

Unit 1: Health Benefits of Physical Fitness: Students receive an overview of why physical fitness is important and how to prepare for workouts through stretching. Students read online content in Lesson 1 and engage daily in a physical activity of their choice for at least 30 minutes, recording what they've done in an activity log, which is then signed by a parent or other responsible adult and submitted to the teacher.

Unit 2: Create Your Physical Fitness Plan: Students create a personalized, semester-long exercise and fitness program tailored to their specific interests and abilities. Students read online content in Lesson 1 and engage daily in a physical activity of their choice for at least 30 minutes, recording what they've done in an activity log, which is then signed by a parent or other responsible adult and submitted to the teacher.

Unit 3: Cardiovascular and Respiratory Health: Students learn how regular cardiovascular exercise can help keep them fit for life. They find out how to measure their heart rate and gauge the effectiveness of their aerobic workout. Students read online content in Lesson 1 and engage daily in a

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Course Details

Subject Health and Physical Education
Course Name OTH021 SUMMIT PERSONAL FITNESS I



Cou In this course, night 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, bio-mechanics, and team dynamics. They will apply their knowledge in daily fitness activities as well as assignments that include 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.

Course Length One Semester

Cou 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

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Course Details

Subject Health and Physical Education
Course Name OTH022 SUMMIT PERSONAL FITNESS II



Cou 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.

Course Length One Semester

Cou

- 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?

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Course Details

Subject Additional Electives

Course Name OTH026 SUMMIT PHYSICAL EDUCATION (CREDIT RECOVERY)



Cou

In this Physical Education course, students develop an awareness of the fundamental components and principles of fitness. This course examines safety guidelines, proper technique, and exercise principles such as FITT: Frequency (how often you exercise), Intensity (how hard you work during exercise), Time (how long you exercise), and Type (what type of activity you do). Students learn about the five components of physical fitness: flexibility, cardiovascular health, muscular strength, muscular endurance, and body composition. They learn the health benefits of several different types of lifetime fitness activities, as well as the proper technique to safely participate in these pursuits. Students also assess their current stress levels and discover ways to effectively manage stress in their lives. This one-semester course equips students with strategies to help them begin, design, and maintain an exercise program to keep them fit for life.

Course Length One Semester

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

Cou

Module A: Principles of Exercise and Fitness
Module B: Heart Rate and Goal Setting
Module C: Anatomy and Biomechanics
Module D: Motion and Balance
Module E: Cardiorespiratory Activities
Module F: Everyday Cardiorespiratory Fitness
Module G: Lifetime Activities

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Course Details

Subject History
Course Name OTH031 ARCHAEOLOGY (ELECTIVE)



Cou George Santayana once said, “Those who cannot remember the past are condemned to repeat it.” The field of archaeology helps us better understand the events and societies of the past that have helped shape our modern world. This course focuses on the techniques, methods, and theories that guide the study of the past. Students learn how archaeological research is conducted and interpreted as well as how artifacts are located and preserved. Finally, students learn about the relationship of material items to culture and what we can learn about past societies from these items.

Course Length One Semester

Cou

- Unit 1: The World of Archaeology
- Unit 2: Recording the Past
- Unit 3: Unearthing Ancient Civilizations
- Unit 4: Cultural Origins
- Archaeology Midterm Exam
- Unit 5: The Fossil Record
- Unit 6: Social Organizations
- Unit 7: The Survival of Ancient Text
- Unit 8: Public Archeology & Modern Society

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Course Details

Subject Science
Course Name OTH032 ASTRONOMY (ELECTIVE)



Cou This course introduces students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students examine the life cycle of stars, the properties of planets, and the exploration of space.

Course Length One Semester

Cou Unit 1: The Earth, Moon, and Sun
Unit 2: The Universe
Unit 3: Stars
Unit 4: Galaxies
Astronomy Midterm Exam
Unit 5: Inner Planets
Unit 6: Outer Planets
Unit 7: The Sun
Unit 8: Comets, Asteroids, and Meteors
Astronomy Final Exam

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH033 VETERINARY SCIENCE



Cou 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.

Course Length One Semester

Cou 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

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH034 INTRODUCTION TO AGRISCIENCE

Cou Agriculture has played an important role in the lives of humans for thousands of years. It has fed us and given us materials that have helped us survive. Today, scientists and practitioners are working to improve and better understand agriculture and how it can be used to continue to sustain human life. In this course, students learn about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

Course Length One Semester

Cou

Farming: The Roots of Civilization

- The Importance of Agriscience
- What Is Agriscience?
- A Tale of Two Orange Groves
- What Happened to the American Lime?
- Consulting with the World

Unit 2: Agriscience and the Environment

- What Is the Environment?
- Agriscience and the Environment: What Goes into Water?
- Other Environmental Elements
- Forests and Aquatic Life

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH035 EARLY CHILDHOOD EDUCATION

Cou Children experience enormous changes in the first few years of their lives. They learn to walk, talk, run, jump, read and write, among other milestones. Caregivers can help infants, toddlers, and children grow and develop in positive ways. This course is for students who want to influence the most important years of human development. In the course, students learn how to create fun and educational environments for children; how to keep the environment safe for children; and how to encourage the health and well-being of infants, toddlers, and school-aged children.

Course Length One Semester

Cou

What Is Early Childhood Education?

- Families
- Safety
- Being a Good Parent
- Culture and Diversity in the Childcare Center

A Clean, Safe, and Healthy Childcare Environment

- A Clean, Safe, and Healthy Childcare Environment Introduction
- Types of Cleaning
- Laundry
- Childproofing and Safety
- Preventing Sudden Infant Death Syndrome

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Course Details

Subject English
Course Name OTH036 GOTHIC LITERATURE (ELECTIVE)



Cou 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.

Course Length One Semester

Prerequisite None

Cou 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
Gothic Literature Midterm Exam
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
Gothic Literature Final Exam

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH037 HOSPITALITY AND TOURISM



Cou With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, the hospitality and tourism industry is one of the fastest growing in the world. This course introduces the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Student learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

Course Length One Semester

Cou

- Unit 1: Introduction to Hospitality & Tourism
- Unit 2: Careers in the Hospitality & Tourism Field
- Unit 3: Hotels
- Unit 4: Restaurants and Food Service
- Hospitality & Tourism Midterm Exam
- Unit 5: Travel Planning
- Unit 6: Event Planning and Conventions/Exhibitions
- Unit 7: Theme Parks and Recreation
- Unit 8: Cruise Ships and Resorts

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH039 CRIMINOLOGY



Cou In the modern world, many citizens share a concern about criminal behaviors and intent. This course introduces students to the field of criminology, the study of crime. Students look at possible explanations for crime from psychological, biological, and sociological perspectives; explore the categories and social consequences of crime; and investigate how the criminal justice system handles criminals and their misdeeds. The course explores some key questions: Why do some individuals commit crimes while others do not? What aspects of culture and society promote crime? Why are different punishments given for the same crime? What factors—from arrest to punishment—help shape the criminal case process?

Course Length One Semester

Cou

- 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
- Criminology Midterm Exam
- Unit 5: White-Collar, Corporate and Public Order Crimes
- Unit 6: Criminal Case Process
- Unit 7: Enforcing the Law and the Nature of Courts
- Unit 8: Overview of Punishment and Corrections

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Course Details

Subject Additional Electives

Course Name OTH040 REACHING YOUR ACADEMIC POTENTIAL (ELECTIVE)

Cou 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.

Cou One Semester

Cou

Students learn how their academic potential is tied to self-awareness and learn about the role of brain development in improving academic potential during teen years.

- Course Introduction: Reaching Your Academic Potential
- Thinking about Thinking
- You Have Strengths

Unit 2: Your Mind and Your Mindset

Students learn about multiple definitions of intelligence and how mindset and self-efficacy can affect behavior and outcomes. They look at myths regarding learning, achievement, success, college, and career.

- Defining Intelligence
- Urban Legends of Intelligence and Identity
- Choice and Consequence

CHAT



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Course Details

Subject Additional Electives

Course Name OTH050 ACHIEVING YOUR CAREER AND COLLEGE GOALS (ELECTIVE)

Cou 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.

Cou One Semester

Cou

Students begin to identify their goals, values, and strengths. They take online assessments of their personality types and career interests and begin to look at careers that may be a good fit. They write personal statements to learn to identify and describe what would make them unique contributors to a college or a workplace.

- Introduction
- Who Are You? Part 1
- Who Are You? Part 2
- What Are Your Career Interests?
- Describing Yourself

Unit 2: Exploring Careers

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Course Details

Subject Additional Electives
Course Name OTH060 FAMILY AND CONSUMER SCIENCE (ELECTIVE)

CHAT



(/cont

Cou 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 life span and the contributions to the well-being of the family and the community.

Cou One Semester

Cou

Topics include balancing your checkbook, what's in a lease, and making buying decisions.

- Supporting Yourself and Your Family
- Managing Your Money
- Establishing a Home
- A Responsible Consumer

Unit 2: A Balanced Family and Work Life

Topics include preventing violence and abuse. Students see dimensional floor plans and learn to design a room.

- Teamwork and Leadership
- Putting Plans into Action
- Family Matters

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Course Details

Subject Additional Electives
Course Name OTH080 SUMMIT NUTRITION AND WELLNESS (ELECTIVE)

CHAT



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Cou 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.

Course Length One Semester

Cou

Getting Started

- Research Paper

Unit 2: Wellness and Food Choices in Today's World

- Influences in Food Habits and Consumption Trends
- Food Selection Guides and Evaluations
- Reading Food Labels
- Foodborne Illness and Safety of Food Supply
- Community Sources of Nutrition and Wellness

Unit 3: Digestion and Major Nutrients

- Digestion, Absorption, and Metabolism
- Carbohydrates
- Fats

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Course Details

Subject Additional Electives
Course Name OTH090 SUMMIT LIFE SKILLS (ELECTIVE)

Cou 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.

Course Length One Semester

Cou

Introduction to Life Skills

- Getting Started
- Life Skills Portfolio

Unit 2: Thinking About Yourself

- Defining Your Character
- Setting Your Goals
- Making Plans

Unit 3: Thinking for Yourself

- Making Decisions

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH091 LAW AND ORDER



Cou

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.

Course Length One Semester

Cou

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

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH092 HEALTH SCIENCES I



Cou Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and measles identified and diagnosed? Health sciences provide the answers to questions such as these. This course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas.

Course Length One Semester

Cou Unit 1: The World of Health Sciences
Unit 2: Careers in Health Science
Unit 3: The Life Span
Unit 4: Technical Skills
Unit 5: Health and Wellness
Health Sciences Midterm Exam
Unit 6: Leadership and Teamwork
Unit 7: Health Communication
Unit 8: Ethics and Legal Issues

CHAT



(/cont

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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name OTH093 INTRODUCTION TO CULINARY ARTS



Cou Food is fundamental to life. Not only does it feed our bodies, but it's often the centerpiece for family gatherings and social functions. In this course, students learn all about food, including food culture, food history, food safety, and current food trends. They also learn about the food service industry and prepare some culinary dishes. Through hands-on activities and in-depth study of the culinary arts field, this course helps students hone their cooking skills and gives them the opportunity to explore careers in the food industry.

Course Length One Semester

Cou Unit 1: The History and Development of the Food Service Industry
Unit 2: Food, People, and Society
Unit 3: Basic Nutrition
Unit 4: Culinary Arts Safety
Unit 5: Laws and Regulations Governing Food Service
Unit 6: Fundamental Skills in Culinary Arts
Introduction to Culinary Arts Midterm Exam
Unit 7: Careers in the Culinary Arts Industry
Unit 8: Becoming Employable in the Culinary Arts Industry
Unit 9: Finding a Job in the Culinary Arts Industry

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH094-DYN HEALTH SCIENCES II



Cou In this course, students will learn more about what it takes to be a successful health science professional, including how to communicate with patients. Students will explore the rights and responsibilities of both patients and health sciences professionals in patient care and learn more about how to promote wellness among patients and health care staff. Finally, students will learn more about safety in health sciences settings and the challenges and procedures of emergency care, infection control, and blood-borne pathogens.

Cou One Semester

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name OTH110 UNDERSTANDING CHILD DEVELOPMENT

Cou This course introduces students to the unique qualities of young children from infants to age eight, and demonstrates how to work with each child in ways that correspond with their developmental level, and their social and cultural environment. The course includes learning theories and research as well as information about the importance of play and technology in a young child's learning process. Other topics covered include readiness, assessment, working with children and families from diverse cultures, working with children with special needs, and the early stages of reading, writing, and general cognitive development.

Cou One Semester

Cou

- Young Children and Their Settings
- Typical and Atypical Young Children
- The Essential Adult Role
- Child Development Theory
- Applying Developmental and Learning Theory and Research with Caution
- A Brief History of Child Study
- Methods of Child Study and Authentic Assessment

How Play, Technology, and Digital Media and Disabilities Affect Learning

- An Overview of Learning
- Perception

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH111 INTRODUCTION TO TEACHING



Cou This course exposes students to the realities of teaching while inspiring and welcoming them to a rewarding, high-impact career. Students reflect on the satisfaction and problems of teaching. Course content includes a balanced look at accountability issues such as standards, high-stakes testing and reform. Other topics include technology, cheating, bullying, sexual harassment and homophobia, diversity, vouchers, and legal issues.

Course Length One Semester

Cou

Examining Your Motives for Teaching

- The Rewards of Teaching
- Sources of Useful Experience
- Case Studies in the Motivation to Teach
- Opinions about Teachers and Teaching
- Why Teachers Teach

What Is a School and What Is It For?

- What Is a School?
- Education and Schooling
- Schools as Cultures
- Schools as Transmitters or Re-Creators of Culture
- The Four Basic Purposes of School

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name OTH211-CEN INTRODUCTION TO MECHANICAL ENGINEERING

Cou 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.

Course Length One Semester

Prerequisite Introduction to Engineering 1 and Engineering Drawing and Design 1

Cou

What is engineering?

- Who are mechanical engineers?
- Career Paths
- Typical Program of Study

Mechanical Design

- The Design Process
- Manufacturing Processes

Technical Problem-Solving and Communication Skills

- General Technical Problem-Solving Approach
- Unit Systems and Conversions

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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name OTH212 ENGINEERING DRAWING AND DESIGN 1

Cou 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.

Course Length One Semester

Cou

Introduction

- A History of Engineering Drawing
- The Drafter
- Drafting Fields
- Education and Qualifications
- Drafting Employment Opportunities
- Searching for a Drafting Position
- Drafting Salaries and Working Conditions
- Professional Organization
- Drafting Standards
- Workplace Ethics
- Copyrights
- Trademarks

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name OTH213 ENGINEERING DRAWING AND DESIGN 2

Cou 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.

Course Length One Semester

Prerequisite Engineering Drawing and Design 1

Cou

Introduction to Section 4

- Introduction to Working Drawings
- Detail Drawings
- Assembly Drawings
- Types of Assembly Drawings
- Identification Numbers
- Parts Lists
- Purchase Parts
- Engineering Changes
- Drawing from a Prototype
- Analysis of a Set of Working Drawings

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH221 ENGINEERING FUNDAMENTALS 1

Cou This course is designed to give students strong problem-solving skills and a solid foundation in fundamental principles they will need to become analytical, detail-oriented, and innovative engineers. The course begins with an overview of what engineers do, an inside glimpse of the various areas of specialization, and a straightforward look at what it takes to succeed. It then covers the basic physical concepts and laws that students will encounter on the job. The course also includes professional profiles that highlight the work of practicing engineers from around the globe. Throughout, the course demonstrates how engineers apply physical and chemical laws and principles, as well as mathematics, to design, test, and supervise the production of millions of parts, products, and services that people use every day.

Course Length One Semester

Cou

Engineering Work Is All Around You

- Engineering as a Profession
- Common Traits of Good Engineers
- Engineering Disciplines

Preparing for an Engineering Career

- Making the Transition From High School to College
- Budgeting Your Time
- Study Habits and Strategies
- Getting Involved with an Engineering Organization

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH222 ENGINEERING FUNDAMENTALS 2

Cou This is the second semester of Engineering Fundamentals. This course is designed to give students strong problem-solving skills and a solid foundation in fundamental principles they will need to become analytical, detail-oriented, and creative engineers. The course begins with an overview of what engineers do, an inside glimpse of the various areas of specialization, and a straightforward look at what it takes to be successful in engineering. It then covers the basic physical concepts and laws that students will encounter on the job. The course also includes professional profiles that highlight the work of practicing engineers from around the globe. Throughout, the course demonstrates how engineers apply physical and chemical laws and principles, as well as mathematics, to design, test, and supervise the production of millions of parts, products, and services that people use every day.

Course Length One Semester

Prerequisite Engineering Fundamentals 1

Cou

Temperature as a Fundamental Dimension

- Temperature Difference and Heat Transfer
- Thermal Comfort
- Heating Values of Fuels
- Degree-Days and Energy Estimation
- Additional Temperature-Related Material Properties

Electric Current and Related Variables in Engineering

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name OTH038 CAREERS IN CRIMINAL JUSTICE



Cou Do you want to help prevent crime and maintain order in society? The criminal justice system may be a good career option. The criminal justice system offers a wide range of career opportunities, from law enforcement to forensic scientists to lawyers and judges. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system. Careers in each area will be explored and students will learn more about the expectations and training required for various career options in the criminal justice field.

Course Length One Semester

Cou

- Unit 1 : Overview of Criminal Justice
- Unit 2 : US Laws: Freedom versus Responsibility
- Unit 3 : Inside a Criminal Trial Unit Three: Inside a Criminal Trial
- Unit 4 : The Juvenile Justice System
- Unit 5 : Jails, Prisons, and Community Corrections
- Careers in Criminal Justice Midterm Exam
- Unit 6 : Careers in Criminal Justice
- Unit 7 : Evaluating Justice Ethics
- Unit 8 : People Skills in Criminal Justice

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Course Details

Subject Additional Electives
Course Name PRJ010 SERVICE LEARNING (ELECTIVE)

Cou This project may be used in a variety of ways—as a standalone project, in conjunction with another course, or as a foundation around which to base a one-semester course. An introductory unit presents instruction on the nature of service learning. Students are taught how to identify community needs, select projects that are meaningful to them, apply practical skills, reflect on their learning experience, and behave responsibly in a service setting. Students then move on to design and conduct service learning experiences of their own, according to the requirements of their projects. Documents to support teachers in guiding students through the project are included.

Cou Varies

Cou
Students learn the components of the project.

What is Service Learning?

Students learn the difference between service learning and volunteering. They learn the essential elements of service learning, including meaningful service, partnerships, link to curriculum, reflection, progress monitoring, and youth voice. They learn the steps they will take—investigation, planning and preparation, action, reflection, and demonstration and celebration.

Research Service Opportunities

Students are introduced to a variety of service interest areas and are shown how to locate resources for service opportunities.

Identify a Need

CHAT



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Course Details

Subject Science

Course Name SCI010 SUMMIT ENVIRONMENTAL SCIENCE (ELECTIVE)

Cou This course surveys key topic areas, including the application of 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 accurate application of scientific processes, including proper data collection and responsible conclusions.

Cou One Semester

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

Cou

Students discover how scientific processes are applied in various scenarios involving the environment. Questioning, hypothesizing, experimenting, analyzing data, concluding, and communicating are processes that must be carried out accurately if data about the environment is to be valid. Students will conduct a laboratory, applying scientific processes to a focused study. Case studies, an important part of this course, keep students focused on real issues involving ecology, geological systems, and environmental science.

- Introduction to Environmental Science
- Case Study: Easter Island
- Case Study: Water and Empires

CHAT



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Course Details

Subject Science
Course Name SCIO30 FORENSIC SCIENCE (ELECTIVE)

Cou 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.

Cou One Semester

Prerequisite Successful completion of at least two years of high school science, including SCI203: Biology (or equivalent); SCI303: Chemistry is highly recommended

Cou The study of crime and crime scenes involves systematically obtaining data and applying scientific processes to understand the details of a crime. Students learn the history and theory of forensics and relate science to forensic science. They learn the importance—to investigation and the legal process—of accurately questioning, hypothesizing, analyzing data, concluding, and communicating. They apply scientific processes in focused activities.

- Forensic Science Theory
- Crime Scene
- Lab: Crime Scene Sketch
- Crime Scene Personnel
- Lab: Measurement and Significant Figures

CHAT



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Course Details

Subject Science

Course Name SCI102 SUMMIT PHYSICAL SCIENCE

Cou 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.

Cou Two Semesters

Prerequisite Middle School Physical Science (or equivalent)

Cou

In this unit, students learn about the depth of physical science, the relationship between matter and energy, and scientific methods. Students use scientific methods in a laboratory setting and demonstrate their results through graphing.

- Semester Introduction
- Dimensions: Distance, Time, and Mass
- Matter, Energy, and the Scientific Method
- Creating and Analyzing Graphs
- Laboratory: Drop and Bounce 1
- Laboratory: Drop and Bounce 2

CHAT



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Course Details

Subject Science

Course Name SCI106: SUMMIT PHYSICAL SCIENCE (CREDIT RECOVERY)

Cou 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. They review strategies for describing and measuring scientific concepts. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Cou Two Semesters

Prerequisite K12 Physical Science (or equivalent)

Cou

In this unit, students learn about the depth of physical science, the relationship between matter and energy, and scientific methods. Students use scientific methods in a laboratory setting and demonstrate their results through graphing.

- Semester Introduction
- Dimensions: Distance, Time, and Mass
- Matter, Energy, and the Scientific Method
- Creating and Analyzing Graphs
- Laboratory: Drop and Bounce 1
- Laboratory: Drop and Bounce 2

CHAT



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Course Details

Subject Science
Course Name SCI113 SUMMIT EARTH SCIENCE

CHAT



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Cou This course provides students with a comprehensive earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of indepth 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.

Cou Two Semesters

Prerequisite Middle School Life Science (or equivalent)

Cou

Earth Science is one of the most fascinating topics in all the sciences, and students learn about its place among the sciences in this unit. Students explore what Earth science is, learn about its breadth and history, and study the contributions of earth scientists to the betterment of life for all of us. Students also study aspects of scientific methods and use those methods in a laboratory setting.

- Semester Introduction
- Why Study Earth Science?
- Historical Contributions in Earth Science 1
- Historical Contributions in Earth Science 2
- Spheres as Earth Systems
- Laboratory: Topographical Maps

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Course Details

Subject Science
Course Name SCI114 SUMMIT EARTH SCIENCE HONORS

Cou This challenging course provides students with an honors-level earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of online lessons, an associated reference book, collaborative activities, and laboratories students can conduct at home. The course prepares students for advanced studies in geology, meteorology, oceanography, and astronomy courses, and gives them more sophisticated experience in implementing scientific methods. Additional honors assignments include debates, research papers, extended collaborative laboratories.

Cou Two Semesters

Prerequisite Middle School Earth Science (or equivalent), Middle School Physical Science (suggested, or equivalent); and teacher/school counselor recommendation

Cou

Earth science is one of the most fascinating topics in all the sciences, and students will learn about its place among the sciences in this unit. Students will explore what earth science is, learn about its breadth and history, and study the contributions of earth scientists to the betterment of life for all of us. Students will also study aspects of scientific methods and use those methods in a laboratory setting.

- Earth Science Semester 1 Introduction
- Why Study Earth Science?
- Historical Contributions in Earth Science 1

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Course Details

Subject Science
Course Name SCI116 SUMMIT EARTH SCIENCE (CREDIT RECOVERY)

Cou 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, collaborative activities, virtual laboratories, and hands-on 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. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Course Length Two Semesters
Prerequisite K12 Life Science (or equivalent)
Course Outline SEMESTER ON

Earth Science is one of the most fascinating topics in all the sciences, and students learn about its place among the sciences in this unit. Students explore what Earth Science is, study aspects of scientific methods, and use those methods in a laboratory setting.

- Semester Introduction
- Why Study Earth Science?
- Spheres as Earth Systems
- Review: Why Study Earth Science and Earth Systems
- Optional Laboratory: Topographical Maps

CHAT



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Course Details

Subject Science
Course Name SCI203 SUMMIT BIOLOGY

Cou 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.

Cou Two Semesters

Prerequisite Middle School Life Science (or equivalent)

Cou

Students explore biology as one of the sciences and confront the concepts of scientific methods. After exploring scientific processes as they apply to biology, students examine what "life" means as they investigate the characteristics that all living things share. Students then look at the importance of energy, what kinds of energy are significant when considering living things, and the relationship of structures of living things to their functions.

- Semester Introduction
- Biology and Scientific Methods
- Scientific Processes 1
- Scientific Processes 2
- Laboratory: Using a Microscope
- The Characteristics of Life 1

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Course Details

Subject Science

Course Name SCI204 SUMMIT BIOLOGY HONORS

Cou This course provides students with a challenging honors-level biology curriculum, focusing on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of advanced online lessons, including extensive animations, an associated reference book, collaborative explorations, and laboratory experiments students can conduct at home. Honors activities include debates, research papers, and extended laboratories.

Cou Two Semesters

Prerequisite Middle School Life Science (or equivalent), success in previous science course; and teacher/school counselor recommendation

Cou

Students explore biology as one of the sciences and confront the concepts of scientific methods. After exploring scientific processes as they apply to biology, students examine what "life" means as they investigate the characteristics that all living things share. Students then look at the importance of energy, what kinds of energy are significant when considering living things, and the relationship of structures of living things to their functions.

- Introduction
- Biology and Scientific Methods
- Scientific Processes
- Laboratory: Using a Microscope
- The Characteristics of Life

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Course Details

Subject Science
Course Name SCI206 SUMMIT BIOLOGY (CREDIT RECOVERY)

CHAT



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Cou Topics include the scientific method, characteristics of living things, energy, organic compounds, and water. Students review the structure and function of living things, the cell, genetics, DNA, RNA, and proteins. They review evolution and natural selection; digestive, respiratory, nervous, reproductive, and muscular systems; and ecology and the environment. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Cou Two Semesters

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

Cou

Students explore biology as one of the sciences and confront the concepts of scientific methods. After exploring scientific processes as they apply to biology, students examine what "life" means as they investigate the characteristics that all living things share. Students then look at the importance of energy, what kinds of energy are significant when considering living things, and the relationship of structures of living things to their functions.

- Semester Introduction
- Biology and Scientific Methods
- Scientific Processes
- Review: Scientific Processes

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Course Details

Subject Science

Course Name SCI303 SUMMIT CHEMISTRY

Cou 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.

Cou Two Semesters

Prerequisite Satisfactory completion of either Middle School Physical Science or SCI102: Physical Science and solid grasp of algebra basics, evidenced by success in MTH122: Algebra I (or equivalents)

Cou

Students explore chemistry as one of the sciences and confront concepts of matter, energy, the metric system, and scientific methods. Students examine the relationship of matter and energy, including learning about classification of matter. To prepare students for solving chemistry problems throughout the course, students learn about the metric system, significant figures, and the scientific method as applied in chemistry research.

- Semester Introduction
- Chemistry and Society
- Matter and Energy
- Pure Substances
- Mixtures

CHAT



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Course Details

Subject Science

Course Name SCI304 SUMMIT CHEMISTRY HONORS

Cou This advanced course gives students a solid basis to move on to more advanced courses. The challenging course surveys all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry, enhanced with challenging model problems and assessments. Students complete community-based written research projects, treat aspects of chemistry that require individual research and reporting, and participate in online threaded discussions.

Cou Two Semesters

Prerequisite Success in previous science course, MTH123 or MTH124: Honors Algebra I (or equivalents); and teacher/school counselor recommendation

Cou

Students explore chemistry as one of the sciences and confront concepts of matter, energy, the metric system, and scientific methods. Students examine the relationship of matter and energy, including learning about classification of matter. To prepare students for solving chemistry problems throughout the course, students learn about the metric system, significant figures, and the scientific method as applied in chemistry research.

- Semester Introduction
- Chemistry and Society
- Matter and Energy
- Pure Substances

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Course Details

Subject Science

Course Name SCI306 SUMMIT CHEMISTRY (CREDIT RECOVERY)

Cou This comprehensive 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 and laboratories. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Cou Two Semesters

Prerequisite Satisfactory completion of either K12 Middle School Physical Science or SCI102: Physical Science and solid grasp of algebra basics, evidenced by success in MTH122: Algebra I (or equivalents)

Cou

Students explore chemistry as one of the sciences and confront concepts of matter, energy, the metric system, and scientific methods. Students examine the relationship of matter and energy, including learning about classification of matter. To prepare students for solving chemistry problems throughout the course, students learn about the metric system, significant figures, and the scientific method as applied in chemistry research.

- Semester Introduction
- Chemistry and Society
- Matter and Energy

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Course Details

Subject Science
Course Name SCI403 SUMMIT PHYSICS

Cou 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.

Cou Two Semesters

Prerequisite MTH303: Algebra II and MTH403: PreCalculus/Trigonometry (or equivalents) (MTH403 strongly recommended as a prerequisite, but this course may instead be taken concurrently with SCI403)

Cou

Students explore physics and its place among the sciences, and confront concepts of the role in society of physics now and in the past. Students examine the relationships of energy and the physical systems scientists and model systems use to study energy.

- Semester Introduction
- The History of Physics
- Physics and Society
- Physics and Science

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Course Details

Subject Science
Course Name SCI404 SUMMIT PHYSICS HONORS

CHAT



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Cou This advanced course surveys 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. Additional honors assignments include debates, research papers, and extended laboratories. The course gives a solid basis for moving on to more advanced college physics courses. The program consists of online instruction, and related assessments, plus an associated problem-solving book.

Cou Two Semesters

Prerequisite MTH303: Algebra II or MTH304: Honors Algebra II and MTH403: Pre-Calculus/Trigonometry (MTH403 strongly recommended as a prerequisite, but this course may instead be taken concurrently with SCI404); and teacher/ school counselor recommendation

Cou

Students explore physics and its place among the sciences, and confront concepts of the role in society of physics in now and in the past. Students examine the relationships of energy and the physical systems scientists and model systems use to study energy.

- Semester Introduction
- The History of Physics
- Physics and Society
- Physics and Science

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Course Details

Subject Science
Course Name SCI500 AP® BIOLOGY

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Cou 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 to the sequence of topics recommended by the College Board.

Cou Two Semesters

Prerequisite SCI204: Honors Biology, SCI304: Honors Chemistry, MTH124: Honors Algebra I (or equivalents); and teacher/school counselor recommendation required; success in MTH304: Honors Algebra II highly recommended

Cou

Students learn about natural selection and then complete a laboratory. After lessons on the genetic basis of and evidence for evolution, they complete a laboratory on population genetics. Students learn about applications of mathematics, including the Hardy-Weinberg Equilibrium and graphing, and review test-taking strategies for free-response questions.

- Course Introduction
- Natural Selection
- Phenotypic Variation in Populations

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Course Details

Subject Science

Course Name SCI510 AP® CHEMISTRY

Cou 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.

Cou Two Semesters

Prerequisite SCI304: Honors Chemistry and MTH304: Honors Algebra II (or equivalents); and teacher/school counselor recommendation

Cou Students learn about elements of the AP English Literature and Composition Examination and begin their preparation for university courses in literature, composition, and creative writing. This unit introduces the techniques of critical and close reading and the writing process, including strategies for prewriting, writing, and revising.

- Course Introduction
- The Reading and Writing Processes

Unit 2: Fiction and Poetry: Literature of Examination

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Course Details

Subject Science
Course Name SCI530 AP® ENVIRONMENTAL SCIENCE



Cou

AP®

Environmental Science is a two-semester introductory college-level science course. This course aims to provide students with scientific principles, concepts, and methodologies needed to understand interrelationships in the natural world; identify and analyze environmental problems (natural and human-made); evaluate the relative risks associated with these problems; and examine alternative solutions to resolve or prevent these problems. Unifying themes in the course, identified by the College Board, provide a foundation for the content.

The course views environmental problems and possible solutions to them through the lens of sustainability, which is the integrating theme of the textbook. Material is based on the belief that most people can live comfortable and fulfilling lives, and that societies will be more prosperous and peaceful, when sustainability becomes one of the chief measures by which personal choices and public policies are developed.

The book for the course goes beyond the traditional “lift and shift” model by creating a unique learning path of relevant readings, multimedia, and activities that move students up the learning taxonomy from basic knowledge and comprehension to

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Course Details

Subject History

Course Name SUMMIT GEOGRAPHY AND WORLD CULTURES (CREDIT RECOVERY)

Cou

This course explores world geography on a region-by-region basis and covers a broad range of geographical perspectives. Each unit covers one continent or other major geographical region of the world. Units include North America, Central America, South America, Western Europe, Eastern Europe and Russia, East Asia, Southeast Asia and the Pacific Cultures, Africa, India, and the Middle East. Students first learn about each region's landforms, climate, and population. They then examine that region's cultural, economic, and political institutions. Each unit is presented in a parallel format to facilitate interregional comparisons and allow students to see the similarities and differences between the regions more clearly. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Course Length Two Semesters

Prerequisite HST103: World History (or equivalent) is recommended but not required.

Cou

Writing about the World

- Spatial Thinking
- The Map Case
- Five Themes

Unit 2: Physical Elements

- The Rock Beneath
- Water Flows
- Wind and Weather

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH031 DIGITAL PHOTOGRAPHY



Course Description This course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students are introduced to the history of photography and basic camera functions. They use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-ups, and action photographs.

Course Length One Semester

Prerequisite None

Course Outline Unit 1: Introduction to Photography

Unit 2: The History of Photography

Unit 3: Aperture & Shutter Speed

Unit 4: Composition

Unit 5: Lighting

Digital Photography I Midterm Exam

Unit 6: Special Techniques

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH010 COMPUTER LITERACY



Cou 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, spreadsheets, and presentation software, as well as understanding social and ethical issues around the internet, information, and security.

Cou One Semester

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH017 3D ART I: MODELING



Cou This course introduces students to 3D modeling tools and concepts. Using Blender, an open-source 3D modeling package, students learn the basics of creating shapes, adding textures and lighting, and rendering. By the end of the course, students produce a series of increasingly sophisticated projects for their 3D portfolio. This course is suitable for students with no prior experience in 3D game design or digital media authoring tools.

Cou One Semester

Prerequisite None

Note System Requirements: Microsoft® Windows XP® SP3 or higher, Mac® OS X® 10.6 or higher operating system, or Linux®; FreeBSD; 32 bits, Dual Core CPU with at least 2 GHZ, and SSE2 support; 2 GB of memory (RAM); 24 bits 1280 x 768 display; OpenGL-compatible graphics card with 256 MB RAM; 3-button mouse or trackpad; at least 2 GB of available hard drive space; Adobe® Reader®; the most current Adobe® Flash® Player.

Cou Students learn how to start the course, set up their computer to view the course, set up a Web browser, download the resources they will need, and complete and turn in assignments.

- Start the Course
- Set Up Your Computer
- Set Up a Browser
- Download Resources and Assignments

Project 1: Make a Hat

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH020 COMPUTER FUNDAMENTALS

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

This is a two-semester course package. In the first semester, the focus is on the fundamentals, learning and using the applications, and understanding the basic roles and responsibilities of the software, hardware an operating system. In the second semester, the focus is on gathering and analyzing data, and using the right tools and methods to collect and present data.

NOTE: This course should not be taken if students have already completed TCH114 Computer Literacy.

Cou Two Semesters

Prerequisite None

Note System Requirements: Microsoft® Windows XP®, Windows Vista®, Windows® 7 or Mac® OS® X 10.4 or higher operating system; for Windows®, 256 MB of memory (RAM), 650 MV available hard drive space, and a 1024 x 768 or higher monitor resolution; for Mac® OS X®, an Intel® processor, 512 MB of memory (RAM), 400 MB available disk space, and a 1024 x 768 or higher monitor resolution

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH026 AUDIO ENGINEERING



Cou In this introductory course, students learn about the physics of sound and the history of recording technologies. They learn about the four stages of professional music recording projects: recording, editing, mixing, and mastering. Using Audacity, an open-source recording and mixing program, they practice the techniques used by sound engineers to produce multi-track recordings. Through a series of engaging hands-on projects, they learn the fundamental concepts of audio engineering.

Cou One Semester

Prerequisite None

Note System Requirements: Microsoft® Windows XP®, Windows Vista®, Windows® 7, or Mac® OS X® 10.4 or higher operating system; for Windows XP® and Vista® Home Basic, a 1 GHz or faster processor; for Windows® Vista® Home Premium/Business/Ultimate and Windows® 7, a 2 GHz or faster processor; for Mac® OS X®, a 300 MHz or faster processor; for XP, 512 MB of memory (RAM); for Vista® Home Basic, 2 GB; for Vista® Home Premium/Business/Ultimate and for Windows® 7, 4 GB; for Mac® OS X®, 64 MB; at least 4 GB of available hard drive space

Cou Students learn how to move through the course and turn in assignments. They set up course folders, and download and install course software.

- Start the Course
- Set Up Your Computer
- Set Up a Browser and Install 7-Zip
- Find and Complete Coursework

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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name TCH027 GREEN DESIGN AND TECHNOLOGY



Cou 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.

Cou One Semester

Prerequisite None

Cou Students learn the computer requirements and other basic information for the course. They set up files and folders, install the course software, and learn to use zip utilities. They also learn to identify sources of trustworthy information, the definition of plagiarism, and how to properly cite information.

- Start the Course
- Set Up Your Computer
- Set Up a Browser and Install 7-Zip
- Find and Complete Coursework

Section 1: Exploring Systems

Students begin their study of designing for the environment by learning the definitions of environment and natural environment, ecology, organism, resource, natural resource, and renewable resource. They define green design, green product, and sustainability; learn about systems,

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH028 DIGITAL ARTS 1



Cou 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.

Cou One Semester

Prerequisite None

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH028-PBL DIGITAL ARTS 1



Cou This course is a Project Based Learning course (PBL). 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 learn how to combine artistic elements to create finished pieces that effectively communicate their ideas.

Cou One Semester

Prerequisite None

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH029 DIGITAL ARTS 2



Cou 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.

Cou One Semester

Prerequisite TCH028 Digital Arts 1 (or equivalent)

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH029-PBL DIGITAL ARTS 2



Cou This course is a Project Based Learning course (PBL). 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.

Cou One Semester

Prerequisite TCH028 Digital Arts 1 (or equivalent)

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH030 IMAGE DESIGN AND EDITING



Cou 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 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.

Cou One Semester

Prerequisite None

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH031 DIGITAL PHOTOGRAPHY



Course Description This course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students are introduced to the history of photography and basic camera functions. They use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-ups, and action photographs.

Course Length One Semester

Prerequisite None

Course Outline Unit 1: Introduction to Photography

Unit 2: The History of Photography

Unit 3: Aperture & Shutter Speed

Unit 4: Composition

Unit 5: Lighting

Digital Photography I Midterm Exam

Unit 6: Special Techniques

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH032 DIGITAL PHOTOGRAPHY II



Cou In today's world, photographs are all around us, including in advertisements, on websites, and on the wall as art. Many of the images have been created by professional photographers. In this course, students learn about the various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers many choose to specialize in, such as wedding photography and product photography. Students also learn about some of the most respected professional photographers in history and how to critique photographs to better understand what creates an eye-catching photograh.

Course Length One Semester

Prerequisite None

Cou

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

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH036 COMPUTER SCIENCE



Cou This course introduces students to computer science concepts such as computer architecture, networks, and the Internet. Students use object-oriented programming, event-driven processes, modular computer programming, and data manipulation algorithms to produce finished software programs. They use the design process to create many programs by determining specifications, designing the software, and testing and improving the product until it meets the specifications. By the end of this course, students will have a solid foundation for further study in this subject.

Cou One Semester

Prerequisite None

Cou Students learn the computer requirements and other basic information for the course. They set up files and folders, install the course software, and learn to use zip utilities. They also learn to identify sources of trustworthy information, the definition of plagiarism, and how to properly cite information.

- Start the Course
- Set Up Your Computer
- Set Up a Browser and Install Software
- Find and Complete Coursework

Section 1: Starting with Python

Students learn some of the basics of Python and practice drawing lines and shapes.

- Draw a Line

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH040 WEB DESIGN

Cou 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.

Cou One Semester

Prerequisite None

Note System Requirements: Microsoft® Windows XP® or higher, or Mac® OS X® operating system; 400 MHz or faster processor; 512 MB of memory (RAM); at least 2 GB of hard drive space; Adobe® Reader®

Cou Students learn the purpose of a WYSIWYG Web editor, create a folder for a website, and open a new Web page. They learn how to navigate in KompoZer, view the code in Source view, add and format text, resize and optimize images, and test and publish websites.

- Create a Web Page
- Navigate in KompoZer
- Switch Viewing Modes
- Add and Format Text
- Resize an Image

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH071 GAME DESIGN 1

Cou With this course, students will learn about different video game software and hardware, various gaming platforms, the technical skills necessary to design games, troubleshooting and Internet safety techniques, and the history of gaming. Students will even have the opportunity to create their own plan for a 2D video game! With the knowledge and skills students will gain in this course, they can take their hobby and turn it into a potential career.

Cou One Semester

Note Software: Software is a free download called "Unity" System Requirements: Microsoft® Windows 7® or higher, 64 bit versions only; macOS 10.11 or higher.

Cou Describe the technological developments that contributed to the video game industry.
Identify and evaluate the attributes of memorable (and forgettable!) games.
Research, compare, and categorize different game platforms and game hardware.
Strategically start planning your own video game.

What's in a Game?

Define what a game is and name the four main components of a game.
Identify the three player perspectives and describe advantages and disadvantages of each.
Give examples of how specific game mechanics can help form player immersion.
Use what you have learned so far to continue developing your own video game.

Game Pieces

Analyze a game idea through the proper filters to determine whether it is a feasible idea.

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH072-DYN GAME DESIGN 2

Cou 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 game play 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!

Cou Varies

Note System Requirements: Software: Software is a free download called "Unity" System Requirements: Microsoft® Windows 7® or higher, 64 bit versions only; macOS 10.11 or higher.

Cou Define what a game is and name the three main components of a game.
Identify the three player perspectives and describe advantages and disadvantages of each.
Give examples of how specific game mechanics can help form player immersion.
Explain how some of your favorite games make use of Disney's 12 Principles of Animation.

Let's Create Some 3D Game Content!

Use essential box modeling skills to create hard-edge objects.
Apply UV mapping skills to 3D objects.

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH075-DYN 2D ANIMATION

Cou Are you inherently creative? Do you have an eye for drawing, technology, and timing? If so, 2D Animation is the course for you! 2D animation creates movement in a two-dimensional artistic space. And in this course, you will learn the necessary skills to do just that. 2D Animation will give you the tools to conceptualize and bring your animation dreams to life! Using a variety of software and design programs, you'll have the power to transform your creative notions into reality! Design, define, and complete a variety of digital design projects including creating your own website! Learning about 2D Animation could lead to a thriving career in the growing world of technology and animation!

Cou Varies

Note System Requirements: Software: Software is a free download called "Unity" System Requirements: Microsoft® Windows 7® or higher, 64 bit versions only; macOS 10.11 or higher.

Cou Trace the origins and early history of the art of animation.
Explore how the eye and brain process moving images.
Compare the differences between past animation techniques and current animation technologies.
Understand the differences between various types of animation.

Hand-Drawn Animation

Explain how drawn animation evolved from early picture-viewing devices.
Understand and apply Disney's 12 Principles of Animation.
Use key terms of hand-drawn animation.
Appreciate the world of animation beyond the United States.

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH076-DYN 3D MODELING

Cou Are you interested in a career in technology? Are you curious about working in fields like virtual reality, video game design, marketing, television and motion pictures, or digital imaging? If so, this course in 3D Modeling is a great place to start! 3D Modeling is the foundation for all of these career paths. Gain a deeper understanding of graphic design and illustration as you use 3D animation software to create virtual three-dimensional design projects. Hone in on your drawing, photography, and 3D construction. This course will help develop the skills needed to navigate within a 3D digital modeling workspace while rendering 3D models, and is a good introduction careers in the fast-growing field of technology and design!

Cou Varies

Note Software: Software is a free download called "Unity" System Requirements: Microsoft® Windows 7® or higher, 64 bit versions only; macOS 10.11 or higher.

Cou Define 3D modeling.
Discuss how 3D modeling enhances animation.
Describe two applications of 3D modeling in the real world.
Understand key terms used in 3D modeling.
Identify the advantages and challenges of 3D modeling.

The History of 3D Modeling

Identify key developments in the history of animation and 3D modeling.
Explain the role technology played in enhancing 3D modeling techniques.
Describe two current or future applications of 3D modeling.

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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name TCH112-CEN MICROSOFT WORD 2016 WITH EXAM PREP



Cou Using a project based approach, students are introduced to Microsoft® Word® 2016. This course walks students through basic to advanced features by experimenting with document creation. Forms of documents created include research papers, business letters, resumes, form letters and mailing labels. Students work through these hands on projects to hone skills in formatting, page layout, macro creation, and a vast variety of commonly used word processing tools.

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH114 COMPUTER LITERACY



Cou 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.

NOTE: This course should not be taken if students have already completed TCH020 Computer Fundamentals.

Cou One Semester

Prerequisite None

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH114-PBL COMPUTER LITERACY



Cou This course is a Project Based Learning course (PBL). 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.

Cou One Semester

Prerequisite None

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH114-PBL MICROSOFT OFFICE 1



Cou This course is a Project Based Learning course (PBL). This course is for students who wish to learn core skills in Microsoft Word and PowerPoint. After completing this course, student will be prepared to take the Microsoft Office Specialist exam in Word and PowerPoint. Students work through hands on projects to hone skills in formatting text, page layout, images, charts, and a vast variety of commonly used word processing and presentation tools.

Cou One Semester

Prerequisite None

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH115-PBL MICROSOFT OFFICE 2



Cou This course is a Project Based Learning course (PBL). This course is for students who wish to learn core skills in Microsoft Outlook, Excel, and Access. After completing this course, student will be prepared to take the Microsoft Office Specialist exam in Excel. Students work through hands on projects to hone skills in data entry and management, formula creation, email management and a vast variety of commonly used email, spreadsheet, and database tools.

Cou One Semester

Prerequisite None

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH018 3D ART II: ANIMATION



Cou In this advanced course, students build on the skills they developed in 3D Art I to learn 3D animation techniques. Using Blender, an open-source modeling tool, students master the basics of animation—rigging, bones, and movement—while learning how to apply traditional animation techniques to their 3D models.

Cou One Semester

Prerequisite TCH017: 3D Art I: Modeling

Note System Requirements: Microsoft® Windows XP® or higher, Mac® OS X® 10.6 or higher operating system, or Linux®; FreeBSD; 32 bits, Dual Core CPU with at least 2 GHZ, and SSE2 support; 2 GB of memory (RAM); 24 bits 1280 x 768 display; OpenGL-compatible graphics card with 256 MB RAM; 3-button mouse or trackpad; at least 2 GB of available hard drive space; Adobe® Reader®; the most current Adobe® Flash® Player.

Cou Students learn how to start the course, set up their computer to view the course, set up a Web browser, download the resources they will need, and complete and turn in assignments.

- Start the Course
- Set Up Your Computer
- Set Up a Browser
- Download Resources and Zip Assignments

Project 1: Bounce a Ball

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Course Details

Subject Career Readiness Education (CRE) Electives

Course Name TCH211 PROGRAMMING LOGIC AND DESIGN

Cou This course prepares student programmers for success by teaching them the fundamental principles of developing structured program logic. This course takes a unique, language independent approach to programming, with a distinctive emphasis on modern conventions and prepares students for all programming situations with introductions to object-oriented concepts, UML diagrams, and databases.

Course Length One Semester

Cou

Computer systems

- Simple program logic
- The steps involved in the program development cycle
- Pseudocode statements and flowchart symbols
- Using a sentinel value to end a program
- Programming and user environments
- The evolution of programming models

Elements of High-Quality Programs

- Declaring and using variables and constants
- Performing arithmetic operations
- The advantages of modularization
- Modularizing a program

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name TCH551-CEN SECURITY+ WITH EXAM PREP 1

Cou This is the first semester of a two semester course. The course provides a complete, practical, up-to-date introduction to network and computer security. The course maps to the new CompTIA Security+ SY0-401 Certification Exam, providing thorough coverage of all domain objectives to help students prepare for professional certification and career success. The course covers the essentials of network security, including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography.

Course Length One Semester

Cou

Describe the challenges of securing information

- Define information security and explain why it is important
- Identify the types of attackers that are common today
- List the basic steps of an attack
- Describe the five basic principles of defense

Malware and Social Engineering Attacks

- Declaring and using variables and constants
- Define malware
- List the different types of malware
- Identify payloads of malware
- Describe the types of social engineering psychological attacks

CHAT



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Course Details

Subject Career Readiness Education (CRE) Electives
Course Name TCH552-CEN SECURITY+ WITH EXAM PREP 2

Cou This is the second semester of a two semester course. The course continues to provide a complete, practical, up-to-date introduction to network and computer security. The course maps to the new CompTIA Security+ SY0-401 Certification Exam, providing thorough coverage of all domain objectives to help students prepare for professional certification and career success. The course covers the essentials of network security, including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography.

Course Length One Semester

Cou

Describe the different types of wireless network attacks

- List the vulnerabilities in IEEE 802.11 security
- Explain the solutions for securing a wireless network

Mobile Device Security

- List and compare the different types of mobile devices
- Explain the risks associated with mobile devices
- List ways to secure a mobile device
- Explain how to apply mobile device app security
- Describe how to implement BYOD security

CHAT



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Course Details

Subject Additional Electives

Course Name UNDERSTANDING THE HIGH SCHOOL EXPERIENCE

Cou

In K12's Understanding the High School Experience, students explore aspects of high school life. They are encouraged use high school as a time to take steps toward their career goals and interests. Students will learn how aspects of their school experience will change, such as the need to keep a schedule, complete work on time, and be responsible on their own. They will learn how to measure progress using course grades and how to work with multiple teachers instead of just one. As the role of the Learning Coach changes to a more supportive one, students will be encouraged to take small steps toward taking charge of their education. Students will be oriented to online middle and high school with an interactive demonstration of tools for viewing progress, checking assignments, and contacting the teacher. They will learn about the value of grit and how to stay motivated while setting short- and long-term goals. Students will explore the Graduation Plan, a personalized path to graduation, and get acquainted with common college testing tools. They will also explore events and social opportunities available in high school.

Prerequisite None

Cou

Lesson 1: Introduction to High School

- Lesson 2: What to Expect in High School
- Lesson 3: The Learning Coach in High School
- Lesson 4: The Online Middle and High School
- Lesson 5: Preparing for Next Year
- Lesson 6: Community and Support

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Course Details

Subject World Languages

Course Name WLG500 AP® SPANISH LANGUAGE AND CULTURE



Cou

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 focuses 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.

Course Length Two Semesters

Prerequisite Strong success in WLG300: Spanish III, or success in WLG400: Spanish IV (or equivalents); and teacher/ school counselor recommendation

Cou

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Course Details

Subject World Languages
Course Name WLG120 GERMAN I

Cou Students begin their introduction to German 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; respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various German-speaking countries; and take frequent assessments by which their language progression can be monitored.

Course Length Two Semesters

Note Students who have already succeeded in Middle School German 2 should enroll in German II rather than in German I.

Cou

Greetings and Familiar Phrases

- Questions and Commands
- *German Pronunciation 1: Vowels*
- Germany

CHAT



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Course Details

Subject World Languages
Course Name WLG100 SPANISH I



Cou 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.

Course Length Two Semesters

Note Students who have already completed Middle School Spanish 2 should enroll in Spanish II rather than in Spanish I.

Cou

Semester 1				
	Vocabulary	Grammar	Culture	Pronunciation

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Course Details

Subject World Languages
Course Name WLG106 SUMMIT SPANISH I (CREDIT RECOVERY)



Cou The course focuses on three key areas of foreign language study: listening, reading, and writing. Students learn vocabulary and grammar pertaining to a level I Spanish course. They acquire the concepts through reading and listening comprehension activities, association activities, and writing practice. Vocabulary and grammar are introduced in context and are practiced through a variety of interactive activities and exercises. Upon completion of the course, students will be able to use Spanish vocabulary and grammatical structures to talk about themselves and familiar topics.

Course Length Two Semesters

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

Cou

- Unit 1: Greetings
- Unit 2: School
- Unit 3: Descriptions
- Unit 4: Origins
- Unit 5: Telling Time
- Unit 6: Verbs Ending in *ar*, *er*, and *ir*
- Unit 7: Dates
- Unit 8: Questions
- Unit 9: Hobbies

SEMESTER 2

- Unit 1: Food
- Unit 2: Family
- Unit 3: Animals
- Unit 4: Weather and Seasons
- Unit 5: City and Shopping

CHAT



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Course Details

Subject World Languages
Course Name WLG110: FRENCH I



Cou Students begin their introduction to French 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 French-speaking countries; and take frequent assessments by which their language progression can be monitored.

Course Length Two Semesters

Note Students who have already completed Middle School French 2 should enroll in French II rather than in French I.

Cou

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Course Details

Subject World Languages

Course Name WLG130 LATIN I

Cou Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored, classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. Students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. 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, understand and analyze the cultural and historical contexts of the ancient sources they study, and take frequent assessments where their language progression can be monitored.

Course Length Two Semesters

Note Students who have already completed Middle School Latin 2 should enroll in Latin II rather than in Latin I.

Cou

Conversations

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Course Details

Subject World Languages
Course Name WLG140: CHINESE I

Cou Students begin their introduction to Chinese 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. Both Chinese characters and pinyin are presented together throughout the course and specific character practices are introduced after the first quarter. 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 Chinese-speaking regions, and take frequent assessments by which their language progression can be monitored.

Course Length Two Semesters

Note Students who have already succeeded in Middle School Chinese 2 should enroll in Chinese II rather than in Chinese I.

Cou

Greetings/Would you like to eat?

- Introduction to Pinyin

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Course Details

Subject World Languages
Course Name WLG200 SPANISH II

Cou 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 conversational 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.

Course Length Two Semesters

Prerequisite WLG100: Spanish I; Middle School Spanish 1 and 2 (or equivalents)

Cou

Verb Review

- Review of Present Tense
- *In the Aquarium*

CHAT



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Course Details

Subject World Languages

Course Name WLG210 FRENCH II

Cou Students continue their study of French 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 conversational 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 French-speaking countries; and take frequent assessments by which their language progression can be monitored. By semester 2, the course is conducted almost entirely in French.

Course Length Two Semesters

Prerequisite WLG110: French I, Middle School French 1 and 2 (or equivalents)

Cou

Verb review

- Alphabet
- Verb review

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Course Details

Subject World Languages
Course Name WLG220 GERMAN II

Cou Students continue their study of German 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 conversational 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; respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various German speaking countries; and take frequent assessments by which their language progression can be monitored.

Course Length Two Semesters

Prerequisite WLG120: German I, Middle School German 1 and 2 (or equivalents)

Cou

Verb Review

- Review of Nouns: Gender, Number, Case, Negation
- *Questions of a Small Child 4*
- Germany

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Course Details

Subject World Languages

Course Name WLG230 LATIN II

Cou

Students continue with their study of Latin through ancient, time-honored, classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, prepare students for a deeper study of Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices that reinforce vocabulary and grammar. The emphasis is on reading Latin through engaging with myths from the ancient world which are presented in Latin. Students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning, understand and use common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical contexts of the ancient sources they study, and take frequent assessments by which their language progression can be monitored.

Course Length Two Semesters

Prerequisite WLG130: Latin I (or equivalent)

Cou

Vocabulary: Prometheus, Part I

- Grammatical Terms
- Pattern: 1st–3rd Declension Noun Review

CHAT



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Course Details

Subject World Languages
Course Name WLG240 CHINESE II



Cou Students continue their study of Chinese 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 conversational examples for the language concepts presented in each unit. Character recognition and practice are a key focus of the course and students are expected to learn several characters each unit. However, pinyin is still presented with characters throughout the course to aid in listening and reading comprehension. 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 Chinese-speaking regions; and take frequent assessments by which their language progression can be monitored.

Course Length Two Semesters
Prerequisite WLG140: Chinese I, Middle School Chinese 1 and 2 (or equivalents)
Cou

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Course Details

Subject World Languages
Course Name WLG300 SPANISH III

Cou 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.

Cou Two Semesters

Prerequisite WLG200: Spanish II (or equivalent)

Cou

Family

- Nouns, Pronouns
- Mexico

Week 2

CHAT



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Course Details

Subject World Languages
Course Name WLG310 FRENCH III

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

Course Length Two Semesters
Prerequisite WLG210: French II (or equivalent)

Cou

Family & Relationship

- Alphabet
- Guide to French Rhythm & Accents
- Regular & Irregular verbs
- France

CHAT



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Course Details

Subject World Languages
Course Name WLG400 SPANISH IV

Cou Fourth-year Spanish expands on the foundation of Spanish grammar and vocabulary that students acquired in the first three courses. Students continue to sharpen their speaking, listening, reading and writing skills while also learning to express themselves on topics relevant to Spanish culture. The two-semester course is divided into ten units whose themes include people, achievements, wishes and desires, activities, celebrations, possibilities, the past, the arts, current events, and wrap up and review.

Cou Two Semesters

Prerequisite WLG300: Spanish III (or equivalent)

Cou

Skills: describe people, things, and activities they like to do

- Grammar lessons: compound tense and present perfect tense
- Cultural topics: historical facts about Spain & lives of Rigoberta Menchú and Antonio Banderas

Unit 2: *Los Logros* (Achievements)

- Skills: describe accomplishments, talk about activities that involve uncertainty or doubt, and review the use of numbers
- Grammar lessons: using subjunctive mood and impersonal expressions
- Cultural topics: historical facts about Spain

CHAT



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Course Details

Subject World Languages

Course Name WLG510 AP® FRENCH LANGUAGE AND CULTURE



Cou

The AP® French Language and Culture course is an advanced language course in which students prepare for the AP® French Language and Culture exam. It uses as its foundation the three modes of communication: interpersonal, interpretive, and presentational. The course is conducted almost exclusively in French. The course teaches language structures in context and focuses 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. Students should expect to listen to, read, and understand a wide variety of authentic French-language materials and sources; demonstrate proficiency in interpersonal, interpretive, and presentational communication using French; gain knowledge and understanding of the cultures of the Francophone world; use French to connect with other disciplines and expand knowledge in a wide variety of contexts; develop insight into the nature of the French language and its culture; and use French to participate in communities at home and around the world. The AP® French Language course is a college level course.

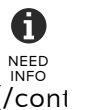
Course Length Two Semesters

Prerequisite Strong success in WLG310: French III, or success in WLG410: French IV (or equivalents); and teacher/school counselor recommendation

Cou

Semester 1

CHAT



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