



**FREEDOM PREPARATORY
ACADEMY
COURSE CATALOG
2021-2022**

UPDATED: FEBRUARY 2021

FREEDOM PREPARATORY ACADEMY

HIGH SCHOOL GRADUATION REQUIREMENTS

One half credit (.5) is earned for each course passed each semester. The class of 2021 and future classes will all need to earn 28 total credits to graduate. Elective credits will come from the elective category or a fourth credit of Math, Science, or additional credits of Fine Arts, PE, CTE. A student could earn eight credits per year if they are not enrolled in release-time seminary. Online or Concurrent Enrollment courses are another way to earn high school or college credit or recovery credits for failed classes with administrative/counselor approval. Applied Technology College courses also earn high school elective credit.

**** University admissions standards and scholarship programs may have differing requirements, it is your responsibility to research and meet those requirements.****

4 credits (one course per year)	Language Arts
3 credits	Math (to include Sec. Math I, II, III or teacher approved course)
3 credits	Science (Biology, Chemistry, Physics) or approved course
3 credits	Social Studies (Geography .5, World History or AP World History 1.0, US History or AP US History 1.0, Government .5)
2 credits	Foreign Language (two consecutive years of same language)
1.5 credits	Fine Arts
1.0	CTE courses
0.5	Intro to Computer Science
1.0	Financial Literacy/College Readiness
0.5	Health
1.5	Physical Education
Total "Core" Credits required = 21	
Elective Credits:	7
28 Total Credits required for Graduation	

FREEDOM PREP ACADEMIES PROGRAM

Freedom Prep's High School students will gain additional experience by selecting elective courses from the academy that most interests them: Advanced Academics*, Computer Technology, Creative Arts, Digital Media, and Engineering & Design.

Five Academies, One Purpose Freedom Prep offers five academies that all support one purpose: to help students experience success by teaching them to think critically, connect socially and serve selflessly. Our academies give high school students foundational preparation for career paths that interest them. Studies show that when students focus on a career path, they are more likely to engage in their schoolwork, raising their performance. Each student will enroll in an academy of their choice. The following descriptions provide an overview of the courses available within each academy.

Many careers are directly or indirectly related to the courses that we offer. However, the problem-solving and critical thinking skills they develop will apply to almost any field.

Advanced Academics: Students who want to get an early start on their university studies can enroll in the Advanced Academics Academy. Consistent with this goal, they will take honors, AP, and concurrent enrollment courses that will help them earn college credits while still attending high school.

Computer Technology: This academy is for students who are interested in computer science (CS) careers. In addition to taking CS courses, they will also learn several programming languages. The skills they gain will help them continue their CS education and prepare for a career in technology.

Creative Arts: Students who are interested in the performing and visual arts may enroll in the Creative Arts Academy. These students will take courses in art, graphic design, music, photography, and theatre. Graduates of this program will have created a professional portfolio that will help them apply for future opportunities.

Digital Media: Students in the Digital Media Academy are interested in various forms of media, including web design and development, video production, and UX (user experience) design. Graduates will leave with a professional portfolio that can open doors to future jobs and educational opportunities.

Engineering & Product Design: For students who are interested in engineering and product design, the Engineering & Product Design Academy will teach them how to identify unmet user needs and create solutions for them. Graduates of this academy will also learn how to apply human-centered design principles.

Find your Pathway to Success Our academies create a focused pathway to help students find their passion and experience success now and in the future. We are confident that your student will have a rewarding experience as they participate in The Academies Program.

Frequently Asked Questions

What is an academy? An academy is a set of classes that allows students to explore a career path that interests them.

How many academies are there? There are five academy options: Advanced Academics, Computer Technology, Creative Arts, Digital Media, and Engineering and Product Design.

How many academies can a student belong to? One.

How do students select an academy? Students select an academy on their course selection sheet during the registration process.

Can students change academies? Yes, but students must commit to an academy by their junior year to allow sufficient time for completing the required courses and senior capstone project.

What does it mean to complete an academy? Students who complete an academy will graduate with a special designation on their diploma, along with a resume and portfolio.

Is completing an academy required to graduate? Freedom Prep expects everyone to complete an academy, but it is not a graduation requirement.

What does it cost to participate in an academy? Nothing.

Where can I learn more about the academies and the classes associated with them? Please speak to a school counselor for more information.

FREEDOM PREPARATORY ACADEMY

HIGH SCHOOL PLAN of ACTION

Fill this out and return to school counselor for follow-up sessions

MY ACADEMY: _____

ACADEMY CLASSES TO COMPLETE EACH YEAR: check off when completed

9th _____ [] _____ []

10th _____ [] _____ []

11th _____ [] _____ []

12th _____ [] _____ []

HIGH SCHOOL ACTIVITIES to participate in: circle those you want

ATHLETICS—CHOIR—BAND—ORCHESTRA—YEARBOOK—STUDENT LEADERSHIP—MTECH

NATIONAL HONOR SOCIETY—STERLING SCHOLAR—SERVICE—ONLINE CLASSES

CONCURRENT ENROLLMENT—LATINOS IN ACTION—DANCE COMPETITION TEAMS—ROBOTICS

ADVANCED PLACEMENT CLASSES—THEATRE—STAGE CREW—CHESS CLUB—ULTIMATE FRISBEE

POST HIGH SCHOOL GOALS

OCCUPATION _____

EDUCATION _____

FINANCIAL AID _____

SCHOOL/COMMUNITY SERVICE _____

LANGUAGE ARTS

9th Grade Language Arts Prerequisite: None Our secondary school's focus is Communication; excellent language skills are essential for good communication. Critical thinking is an indispensable and necessary tool for success in college, and likewise, writing extensively and reading deeply are essential for becoming good, critical thinkers. Everything students do in English 9 will be with the intent of developing their critical thinking skills.

10th Grade Language Arts Prerequisite: None Through this survey of World Literature course, students will further develop and polish reading, writing, speaking, listening, presenting, and research skills while studying a variety of literature. In addition, students will read and write with career and college readiness in mind and increase mastery in both formal and informal writing using MLA. With a focus on higher order thinking, students will develop vocabulary, grammar, and work to identify and understand writing problems while working to develop their ability to read and write informational and literary texts. Students will critically analyze texts in various genres.

9th & 10th Language Arts additional information: We will be learning and advancing on a great deal of English skills this year under the categories of reading, writing, speaking and listening—to help students be successful not only in the classroom, but wherever life leads them after graduation. In order to achieve this goal, it will take effort and practice through our various assignments and activities.

We will be reading literature covering a variety of genres to analyze structure, purpose, and literary elements authors use to create meaning. We will also spend time developing strong writing habits, focusing on developing proper grammar, organization, and usage through various essays throughout the year; some of which include research and citation.

Honors also delves into extra assignments, more advanced literary elements and deeper discussions.

English Language Arts 11

The course's literature focus is on American literature. Along with reading & studying 4-5 major literary works throughout the year, the course focuses on grammar, vocabulary, & writing essays. Attention is given to analysis and synthesis of major themes from the literary works, which are required elements within the writing assignments. In addition, requirements for speaking and presentation are included within the curriculum. The course is designed around meeting the Utah state curriculum standards.

English Language Arts 11 Honors

This course meets all of the requirements of ELA 11, but has increased requirements in writing on and studying more intricate texts. The pace of study is increased and provides an academic challenge for the more successful student.

The course's literature focus is on American literature. Along with reading & studying 4-5 major literary works throughout the year, the course focuses on grammar, vocabulary, & writing essays. Attention is given to analysis and synthesis of major themes from the literary works, which are required elements within the writing assignments. In addition, requirements for speaking and presentation are included within the curriculum. The course is designed around meeting the Utah state curriculum standards.

English Language Arts 12

The course's literature focus is on British literature. Along with reading & studying 4-5 major literary works throughout the year, the course focuses on grammar, vocabulary, & writing essays. Attention is given to analysis and synthesis of major themes from the literary works, which are required elements within the writing assignments. In addition, requirements for speaking and presentation are included within the curriculum. The course is designed around meeting the Utah state curriculum standards.

College English 1010/2010 Concurrent Enrollment see the uvu.edu website for course descriptions

MATH

Secondary Math 1

Secondary Math 1 starts to build the foundational principles of both Algebra and Geometry. The two subjects are intertwined throughout the curriculum as students take a deep dive into linear functions. Students make use of the MVP Math 1 curriculum. Students will learn to formalize and extend the mathematics that they learned in the middle grades. They will deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Secondary Mathematics I uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied.. No graphing calculators are required for purchase (students use the application Desmos on their iPads instead).

Secondary Math II - Prerequisite: Secondary Math I or equivalent.

Students will focus on quadratic expressions, equations, and functions and on comparing their characteristics and behavior to those of linear and exponential relationships from Secondary Mathematics I. The need for extending the set of rational numbers arises, and real and complex numbers are introduced so that all quadratic equations can be solved. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with their quadratic algebraic representations, are also covered.

Secondary Math 3 Pre-Requisite: Some form of Secondary Math II

Students pull together and apply the accumulation of learning that they have from their previous courses. They will apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to include general triangles. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. This is the last year of the MVP Math program. Students cover Functions, Inverses, Solids of Revolution, Trigonometric functions and more. No graphing calculators are required for purchase (students use the application Desmos on their iPads instead).

Pre-Calculus Pre-Requisite: Secondary Math II or Secondary Math III

A rigorous course that prepares students completely for AP Calculus. Students are presented with rich applications for all concepts that are covered in class. Students learn to formally write mathematical proofs and improve upon their problem-solving skills. No graphing calculators are required for purchase (students use the application Desmos on their iPads instead).

Modern Math Pre-Requisites: None

Modern Math dives into more of the everyday uses of mathematics. Topics included are: Finances, Student Loans, Budgeting, Modeling, Probability, Statistics, and Linear vs Exponential. The end of the year curriculum is decided by students as we study the mathematics behind the students' personal interests. No graphing calculators are required for purchase (students use the application Desmos on their iPads instead).

AP Calculus AB Pre-requisites : Pre-Calculus and or Secondary Mathematics III

Students tackle Limits, Derivatives, and Integrals. AP Calculus is the highest mathematics course that Freedom Preparatory Academy has to offer and prepares students to take the AP Calculus AB exam at the end of the year. Students who successfully complete this course are prepared to take the 2nd level of Calculus upon entering college. No graphing calculators are required for purchase (students use the application Desmos on their iPads instead).

MATH 1010/1050 Concurrent Enrollment see UVU course description uvu.edu

SCIENCE

Biology This full-year course is an introduction to the biological sciences designed with 9th grade students in mind. In accordance with Utah SEEd Biology Standards, this course will cover ecology, molecular biology, cellular and tissue biology, organs and organ systems, genetics, and evolutionary biology. This class is a core science class and has no pre-requisites or class fees. Instruction in this class will include notes, class discussions, and laboratory activities.

Honors Biology This full-year course is an introduction to the biological science designed with 9th grade students in mind that desire a greater preparation for college-level science. In accordance with Utah SEEd Biology Standards, this course will cover ecology, molecular biology, cellular and tissue biology, organs and organ systems, genetics, and evolutionary biology. This class is a core science class and has no pre-requisites or class fees. In comparison with the regular Biology course, Honors Biology requires a higher amount of reading and independent work culminating in projects or presentations. It will also include some notes, class discussions, and laboratory activities.

Marine Biology and Oceanography This full-year science elective course is an introduction to both oceanography and marine biology. The first semester will include an overview of the physical characteristics of the ocean and will include several laboratory activities to better learn about these characteristics. The second semester will include an overview of the producers, invertebrates and vertebrates that live in the ocean as well as an overview of ecology and human interactions with the ocean. While Biology is recommended as a re-requisite, it is not required. Open to 10th-12th grade students.

Biology 1010/1015 Concurrent Enrollment Open to 11th or 12th grade students.

This full-year course is taught in partnership with UVU's Concurrent Enrollment program and introduces college-level biological science and the accompanying lab. Pre-requisites include both Biology and Chemistry. Honors Biology is recommended in preparation for this course, but it is not required. This course covers molecular biology, cellular biology, metabolism, genetics, evolution, and ecology. Students who complete this course and fulfill the requirements of UVU's Concurrent Enrollment program will receive college credit for both Biology 1010 and 1015. While this course doesn't have any fees from FPA, students will have to pay application and registration fees to UVU to receive college credit. This course will have several hours of homework a week that include reading assignments as well as other activities.

Chemistry Prerequisite: None

Students will value and use science as a process of obtaining knowledge based on observable evidence, and students' curiosity will be sustained as they develop and refine the abilities associated with scientific inquiry. Three major concepts will be studied: (1) the structures in all living things occur as a result of necessary functions. (2) Interactions of organisms in an environment are determined by the biotic and abiotic components of the environment. (3) Evolution of species occurs over time and is related to the environment in which the species live. Chemistry is organized around major concepts of matter, structure, energy, and change. Students will study and learn the principles and laws that describe the conservation of matter, changes in the structure of matter, and changes in energy.

Physics Prerequisite: None

Students will embark on a fantastic journey diving into the science of motion, forces, and energy. Physics is a laboratory science course that examines the relationship between matter and energy and how they interact. This course will have a strong emphasis in the mathematics of physics. Students explore physics concepts through an inquiry approach. Mechanics, Electricity and Magnetism, and Atomic & Nuclear Science will be covered. This course is highly recommended for those interested in an engineering career. AP Physics Prerequisite: Teacher Approval Students will embark on a fantastic journey diving into the science of motion, forces, and energy. Physics is a laboratory science course that examines the relationship between matter and energy and how they interact. This course will have a strong emphasis in the mathematics of physics. Students explore physics concepts through an inquiry approach. Mechanics, Electricity and Magnetism, and Atomic & Nuclear Science will be covered.

Applied Physical Science Prerequisite: None This course is designed as an introduction to important concepts in chemistry and physics. The course includes concepts such as: structure of atoms, periodic table principles, motion, forces, conservation of matter and energy, gravity, machines, electricity and the behavior of waves. These concepts are investigated through laboratory experiences designed to promote and develop appropriate skills in science inquiry

Possible Courses

Human Anatomy and Physiology This full-year course science elective is an introduction to human anatomy and physiology. This course will cover all the major organ systems in the human body, including the basic anatomical structure of each organ system as well as how these organs and organ systems function. It also includes many of the diseases and disorders of each organ system. Biology or Honors Biology is required as a pre-requisite, and there are no course fees. Open to 11th and 12th grade students, although 10th grade students may enroll with the instructor's approval.

AP Chemistry This full-year course is a college-level introductory course to chemistry sponsored by the Advanced Placement program. It is expected that all students who enroll in this course will take the AP Chemistry Exam. This course will cover atomic structure and properties, molecular and ionic structure, intermolecular forces, chemical reactions, kinetics, thermodynamics, equilibrium, acids and bases, and thermodynamics. Chemistry is an absolute pre-requisite for this course, and it is recommended that students take this course the year following taking Chemistry. This course will include several hours of homework a week as well as a summer assignment. Also, we will spend one fourth of our class time on laboratory activities. Students may receive college credit for this course based on their performance on the AP Chemistry Exam and on their college of choice. Open to 11th and 12th grade students.

SOCIAL STUDIES

Geography Prerequisite: None Geography is described as the study of the “why of the where.” Students will explore how to use geography as a tool to better understand the world in which we live. They will learn to evaluate and question the why and where of spatial perceptions that are read, seen, and heard. Location, place, movement, region, and human-environmental interaction will be studied.

World History The study of World Civilizations emphasizes the increasing interrelationships over time of the world’s peoples. These interrelationships have developed in two major arenas. East Asia, South Asia, Southwest Asia (Middle East), Africa, Europe, North America and Latin America will be studied. Students will also cover political, economic, social, philosophical, religious, scientific and technological, and artistic arenas of these areas.

AP World History Prerequisite: Teacher Approval

This course is similar in content to World History, with an expectation of advanced reading, writing and critical thinking skills. Each student has the opportunity to take the AP World History test at the end of the course which, if passed, will award students the equivalent college credit.

US History Prerequisite: None

Students will study the United States from the years 1876 to present day. We will review the early years of the United States then move into the growth of industry and invention. Students will also participate in class discussions on social reform movements around the turn of the century and the most devastating century of warfare our world has seen. Students also look at social and political changes through the end of the twentieth century.

AP US History Prerequisite: Teacher Approval

This class will study the United States in the years 1700 to the present. Review of the early years of the United States growth of industry and invention will be covered. Students will study social reform movements around the turn of the century and then the most devastating century of warfare our world has seen. Social and political changes through the end of the twentieth century will be examined. Each student has the opportunity to take the AP US History test at the end of the course which, if passed, will award students the equivalent college credit.

Government & Citizenship Prerequisite: None

The goal of this course is to foster informed, responsible participation in public life. Knowing how to be a good citizen is essential to the preservation and improvement of United States democracy. Upon completion of this course the student will understand the major ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the United States political

FOREIGN LANGUAGES

American Sign Language II Prerequisite: ASL I ASL II introduces more advanced vocabulary and expressive skills. A further history is discussed. Students will be conversationally fluent at the end of this course.

Latin I Prerequisite: Latin A or Latin B This course builds on the introductory year(s) of Latin (Latin A and Latin B), moving at a faster pace and learning the Latin language more comprehensively. We will practice writing, listening, and speaking more now in order to improve our reading comprehension. Relevance to everyday language will also gain greater emphasis (including derivatives in English and other modern languages).

Latin II Prerequisite: Latin I This second year of high school Latin, being the third or fourth year for most students, will cover all remaining essential elements of the Latin language. We will spend about half of this culminating year reading genuine Latin texts of various sorts (ancient, modern, Middle Ages; Caesar, Vergil, Livy, etc.).

French I 1.0 credit – (*Prerequisite: Intro to French preferred, none required*) While many students enter this year-long, high school course having completed the introductory course offered to our middle schoolers, it is not a prerequisite. In French 1 we start at the beginner level, reviewing or teaching for the first time basic structures of the language, exploring culture, and practicing pronunciation and writing. This course provides a strong foundation in basic French. It expands beyond the introductory course in that rather than focusing primarily on vocabulary, we explore grammar techniques that allow for a higher level of conversational ability.

French II 1.0 credit – (*Prerequisite: French I*) Over 220 million people speak French on five different continents. It is one of the top world languages and provides learners with skills that are beneficial in business, travel, and employment opportunities. This intermediate level French course is intended to allow students to deepen their understanding of basic French by exploring more of the intricacies of French grammar and contemporary use of the language. Those who take this course can expect to come away with more confidence in writing and speaking, and with a deeper understanding of French culture.

Mandarin Chinese I: Focusing on listening comprehension, with speaking as language is acquired, this course introduces basic conversation, individual likes and dislikes, as well as use of the most frequent verbs. Reading and writing are introduced as students acquire oral language. Some Chinese holidays/festivals are celebrated, as well as Chinese cultural behaviors.

Mandarin Chinese II Prerequisite: Chinese I This course is a continuation of Chinese I. Students will continue acquiring the four skills of listening, speaking, reading, and writing the Chinese language, as well as delving more deeply into understanding Chinese cultural behavior.

SPANISH 1 (*9th, 10th, 11th, and 12th Grade*)

This course provides students with a general introduction to the Spanish language. It presents basic structure and grammar of the Spanish language and encourages conversation with the introduction of basic vocabulary. Emphasis will be on the acquisition of four skills: listening, speaking, reading, and writing. Students will also focus on mastering the Present and Past tenses in verb conjugation. Cultural activities introduce the student to the customs and geography of the Spanish speaking countries. This class is a prerequisite for Spanish 2.

A grade of C- or higher, or written recommendation by the Spanish teacher is a prerequisite for Spanish 2.

SPANISH 2 (*9th, 10th, 11th, and 12th Grade*)

Spanish 2 builds upon knowledge gained in Spanish 1. This course continues to present basic structure and grammar of the Spanish language and encourages conversation with the introduction of basic vocabulary. Emphasis will be on the acquisition of four skills: listening, speaking, reading, and writing. Students will also focus on reviewing the Present and Past tenses in verb conjugation and mastering the Future, Conditional, and complex tenses. Cultural activities will expand student awareness of the customs and geography of Spanish-speaking countries.

CAREER TECHNICAL EDUCATION (CTE)

Food and Nutrition I

This course is designed to focus on the science of food and nutrition. Experiences will include food safety and sanitation, culinary technology, food preparation and dietary analysis to develop a healthy lifestyle with pathways to career readiness. Laboratory-based experiences strengthen comprehension of concepts and standards outlined in Sciences, Technology, Engineering and Math (STEM) education.

Food and Nutrition II

This course is designed to focus on principles of food preparation, sports nutrition, consumerism, and career options in the food industry. The study and application of nutrition, sanitation, food sciences and technology in this course provides students with laboratory-based experiences that will strengthen their comprehension of concepts and standards outlined in Science, Technology, Engineering and Math (STEM) education.

Interior Design I

This course enables students to explore their creativity in the field of interior design. Identification of the elements and principles of design are emphasized. Other topics included are furniture arrangement basics, floor plan evaluation, area planning and careers.

Apparel Design I

This course introduces students to basic apparel design and construction skills. These skills prepare students for the exciting global apparel industry and entrepreneurial opportunities. Students will sew apparel and accessory projects.

Photography I - Use ISO, exposure and shutter speed to create different images. Students will make portraits, take pictures of landscapes and learn the basics of photo editing software like Lightroom. Students will work with in-classroom lighting kits and will have assignments outside of class. Cameras can be checked out from Ms. Ollerton

Photography 2 (formerly "advanced photo") - prerequisite: Photo 1. Build on your knowledge of how cameras work. you'll learn more creative approaches including lens filters. Cameras can be checked out from Ms. Ollerton

Photography 3 - prerequisite: Photo 1 AND Photo 2. Work with 35mm film cameras. After learning techniques on digital cameras (photo 1 and 2) students will work with black and white film. You will learn to load film into your camera as well as safely remove and process film. Projects will include portraits, landscapes and still life subject matter, along with freestyle assignments. This course includes an exhibit of student projects at the mid-semester point. Students will need to bring their own 35mm film camera (start looking at secondhand stores). \$50 fee (pays for film and processing).

Digital Media no prerequisite. You'll use Adobe Creative Cloud to create several projects based in computer design software - create a logo that we cut as a vinyl sticker, make a design for a t-shirt, film and edit a short film and several other projects. We'll use Adobe's software suite (Illustrator, Photoshop, Animate, Premier) to create these projects.

High School Yearbook no prerequisite/application required

Join the only class at school where people will buy your homework at the end of the year. Be part of content, design or photography to help make next year's book a success. Be a part of a team that makes extraordinary work. Be part of content, design or photography to help make next year's book a success.

Intro Computer Science (Required 9th Grade) Prerequisite: None The development of new technology continues to grow at an exponential rate, and as students enter this fast paced world for college and careers, learning to function in our increasingly digital world is requisite for success. In Computer Technology we spend time discussing new developments in the technological world as well as honing our professional skills on the computer.

Exploring Technology (Grades 8-10)

A foundational engineering design course that introduces basic problem-solving and documentation skills. Various aspects of engineering will be explored along with technology's environmental, societal, and economic impacts on our world. By utilizing problem-solving skills, students develop essential abilities and attitudes that will in turn expand their occupational opportunities in the world of engineering.

Engineering Principles I Students study and practice a variety of engineering disciplines in order to develop a better understanding of basic math and science principles used in engineering. By utilizing problem-solving skills in a laboratory environment, students will develop skills and attitudes that impact and expand occupational opportunities in engineering. This is a foundation course in the Engineering Pathway.

Engineering Principles II Prerequisite: Engineering Principles I By utilizing problem-solving skills in a laboratory environment, students will develop skills and attitudes that impact and expand occupational opportunities in engineering. This is a foundation course in the Engineering Pathway.

Programming 1 0.5 credits 1 semester course

In this class students will be introduced to the fundamentals of computer programming. We will learn to design, code, and test programs while applying mathematical concepts. You will be introduced to coding concepts and problem-solving skills through a programming language(Python). We will also introduce more complex data structures and their uses, including arrays and classes. We will learn to create more powerful programs.

Programming 2 Prerequisites: Programming 1 passing grade 0.5 credits 1 semester course

In this class students will review the fundamentals of computer programming and build on the concepts introduced in Computer Programming 1. This course will explore more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs within a specific programming language. We will also begin studying how to learn a new programming language after your first.

Game Development Fundamentals 1 Recommended Prerequisite: Programming 1 0.5 credits

This course will provide students with knowledge and project based experience of fundamental gaming development concepts. These concepts include game design, scripting, creation of digital assets, graphic resources, animations, problem solving, critical thinking, collaboration, and project management. Students will work through the game design process to create game elements, mechanics, and prototypes.

Game Development Fundamentals 2 Prerequisites: Game Development Fundamentals 1 0.5 credits

This course builds on the fundamentals explored in Game Development Fundamentals 1, and introduces students to other concepts relating to game development. Students will continue to practice the process of game design production while creating prototypes of game elements. Students will gain experience in the use of game engines for game development while creating game assets, scripts, and other game elements.

AP Computer Science Principles Recommended Prerequisite: Programming 1

1.0 credit 2 semester course

AP Computer Science Principles is a course that seeks to broaden participation in computing and computer science. The course places emphasis on the principles of computer science rather than just programming. Big ideas and concepts include: (1) Computing is a creative activity. (2) Abstraction reduces information and detail to facilitate focus on relevant concepts. (3) Data and information facilitate the creation of knowledge. (4) Algorithms are used to develop and express solutions to computational problems. (5) Programming enables problem solving, human expression, and creation of knowledge. (6) The Internet pervades modern computing. (7) Computing has global impacts. This course is also meant to prepare you to take the AP Exam for Computer Science Principles.

FINE ARTS

Art, Theater, Band, Choir, Orchestra, Dance, Photography, Ceramics

Intro to Art

Introduction to Art provides a foundation of visual arts knowledge and skills and their connections to other subjects and explores the discipline in depth both intellectually and experientially. Students will explore basic art media and techniques, such as drawing, painting, collage, ceramics, printmaking, and sculpture. Students will focus on strengthening their artistic voice through practice and exploration of various techniques. Art criticism, aesthetics, and art history are an integral part of the class. Students will have the opportunity to build up their skills in a sketchbook by developing, growing, and working out new ideas. This class provides a safe environment for students to explore risk-taking in their artwork.

Ceramics 1

\$35.00 class fee + project supplies

Grades 9-12

This course offers a direct "hands-on" approach to 3D art. It is the first in a series of courses that prepares an individual to apply technical knowledge and skills to the expression of making of 3D art. In it, students will explore various clay techniques and processes of hand built pottery and sculpture, including glazing.

Ceramics 2 Prerequisite: Ceramics 1 \$35.00 class fee + project supplies Grades 9-12

This is an intermediate 3D studio art class that is the 2nd semester companion to Ceramics 1. Students must have prior knowledge and skills in hand-built pottery, including glazing, pinch, coil, and slab techniques. This course builds on the knowledge and skills gained in ceramics 1. Because this is a studio class, additional supplies may be required.

Drawing 1 - Basic Drawing

\$35.00 class fee

Grades 9-12

This is a studio class that will focus on the basics such as contour, value, illustration, and perspective drawing. Such drawing media as pencil, charcoal, pastel, colored pencils, and pen and ink will be explored.

Drawing 2

\$35.00 class fee

.50 Credit - ½ Year

Grades 9-12

This is a studio class that builds on the fundamentals learned from Drawing 1. Students will set individual goals and develop skills in composition, content, and craftsmanship. Students are given more choice in both content and media as they develop a drawing portfolio.

UVU Concurrent Enrollment Art 1010 Intro to Visual Arts

.50 H.S.Credit

Concurrent Enrollment Fee + project supplies

(3 College Credits) - ½ Year

Grades 11-12

Develops an appreciation of the visual arts by investigating the elements and principles of art, art criticism, art production, and the history of art. Includes written critiques and assignments. Requires students to identify works of arts and describe their significance in writing. You need to have strong reading & writing skills for this course.

Intermediate Band is usually for 7th-9th grade students with 1-3 years of previous band experience. Students with high motivation, previous music experience such as piano lessons and focused work ethic with no previous band experience can be successful in intermediate band. Students progress from the beginning band foundational musical concepts learned in

the first year. Instrument options are: Flute, Clarinet, Bass Clarinet, Alto Saxophone, Tenor Saxophone, Baritone Saxophone, Trumpet, French Horn, Trombone, Baritone, Tuba, Percussion, mallets (Piano players usually play mallets when no piano part is available). Instrument rental fees are \$100 per year. Renting instruments from local music stores is also an option. Some funds will be necessary to purchase accessories and needed equipment. Cost and equipment depend on what instrument you choose to play. Students will usually perform in 4 concerts through the school year.

Advanced Band:

Advanced band is usually for 8th-12th grade students with around 2+ years of previous band experience. Students continue to progress from instrumental skills learned in beginning and intermediate band. Advanced Band members also have the option to participate in State Band festival and regional solo/ensemble festival. Along with 4 school concerts, the advanced band also plays at various other events in and out of school. Instrument options are: Flute, Clarinet, Bass Clarinet, Alto Saxophone, Tenor Saxophone, Baritone Saxophone, Trumpet, French Horn, Trombone, Baritone, Tuba, Percussion, Mallets (Piano players usually play mallets when no piano part is available). Instrument rental fees are \$100 per year. Renting instruments from local music stores is also an option. Some funds will be necessary to purchase accessories and needed equipment. Cost and equipment depend on what instrument you choose to play.

Intermediate Orchestra:

Intermediate orchestra is usually for 7th-9th grade students with 1-3 years of previous orchestra experience. Students with high motivation, previous music experience such as piano lessons and focused work ethic with no previous orchestra experience can be successful in intermediate orchestra. Students progress from the beginning orchestra foundational musical concepts learned in the first year. Instrument options are: Violin, Viola, Cello, Double Bass. (Piano players will need to learn one of the previous listed instruments and may play piano when a part is available). Instrument rental fees are \$100 per year. Renting instruments from local music stores is also an option. Some funds will be necessary to purchase accessories and needed equipment. Cost and equipment depend on what instrument you choose to play. Students will usually perform in 4 concerts through the school year.

Advanced Orchestra:

Advanced orchestra is usually for 8th-12th grade students with around 2+ years of previous orchestra experience. We continue to progress from instrumental skills learned in beginning and intermediate orchestra. Advanced orchestra members also have the option to participate in State Orchestra festival and regional solo/ensemble festival. Along with 4 school concerts, the advanced orchestra also plays at various other events in and out of school. Instrument options are: Violin, Viola, Cello, Double Bass. (Piano players will need to learn one of the previous listed instruments and may play piano when a part is available). Instrument rental fees are \$100 per year. Renting instruments from local music stores is also an option. Some funds will be necessary to purchase accessories and needed equipment. Cost and equipment depend on what instrument you choose to play.

High School

Theatre Foundations I - One Semester - *No Prerequisites*

This is a class for high school students who are interested in developing basic skills in acting and theatre. Students will learn pantomime, monologues, scenes, and playwriting, as well as a brief overview of theatre history. Students may take the course both semesters during their first year if schedules allow.

Theatre Foundations II, III, and IV - Full Year - *Prerequisites: Previous Theatre Foundations Courses*

These are classes for high school students that build on skills and knowledge developed in previous Theatre Foundations courses. The courses are designed for students who wish to focus on performance, playwriting, and directing; the further students progress in the program, the more customized these courses can become. Students who hope to pursue theatrical performance degrees in college should enroll in these courses.

Intro to Tech Theatre - One Semester - *Prerequisites: Drama 6, Theatre 7-8, or Theatre Foundations I (HS)*

This is a class for 7th graders, 8th graders, and high school students who are interested in learning about and gaining some experience in technical theatre. Students will learn about costuming, hair and makeup design, lighting and sound design, set and properties design, and house management. *Students who wish to assist backstage during school productions must be enrolled in this class or the regular technical theatre class.* High school students who take this course during the first semester will be qualified to take the regular tech theatre class during the second semester. **THIS CLASS MUST BE TAKEN BEFORE ENROLLING IN THE REGULAR TECHNICAL THEATRE COURSE.**

Technical Theatre - Full Year - *Prerequisites: Intro to Tech Theatre (and its prerequisites)*

This is a class for high school students who are interested in gaining in-depth, hands-on experience in technical theatre. Students will design and implement all aspects of costuming, hair and makeup, lighting and sound, set and properties, and house management. *Students who wish to assist backstage during school productions must be enrolled in this class or the Intro to Tech Theatre class.* Students may repeat the course every year if schedules allow.

NOTE: Students who graduate from Freedom Prep may count this as CTE credit; the course will not, however, transfer as CTE credit to other schools.

Black Box Productions 9-12 - One Semester - *Prerequisites: Intro to Tech Theatre (and its prerequisites)*

This is a class for high school students who are interested in applying things they have learned in other theatre classes as they select and create student-run productions (either stage plays or short films). Students will be responsible for writing the scripts, acting, directing, costuming, hair and makeup design, lighting and sound design, set design, and properties design. All writing, rehearsal, design work, and construction will take place during class. Performances will be available to friends and family either in person (when possible) or on video. Students may repeat the course as often as schedules allow.

CHOIR

HEALTH/PHYSICAL EDUCATION

Health Education (Required for graduation) Prerequisite: None Students will establish an understanding of the importance of developing and maintaining a balance of physical, mental, emotional, and social well-being. This course is designed to assist students to acquire knowledge, demonstrate life skills, and develop positive attitudes that will lead to a higher quality of life.

Fitness for Life (Required for graduation) Prerequisite: None Fitness For Life will enable students to obtain the knowledge and skills necessary to develop and maintain a health-enhancing level of fitness and to increase physical competence, self-esteem and the motivation to pursue lifelong physical activity. Students will participate in activities that will increase physical fitness levels and develop health practices that value physical activity and its contribution to lifelong fitness.

STRENGTH TRAINING

TEAM SPORTS

Social Dance:

In this year-long class, we will be focusing on the beginning level steps of Social Dance Ballroom. Students will get to work with one another, dance with one another and get to know their classmates. Students will learn these dances: Cha-cha, Swing, Waltz, Tango, Foxtrot. Students will have the opportunity to showcase what they learn in class with group routines, and Competitions. Students who take this class will learn level 1 in the fall semester, and level 2 in the winter semester. This is a good class for students to learn how to move their body, learn social, and team building skills, as well as have fun. There is no pre-requisite for this class, but there is a \$70 fee to join the class.

Ballroom Performance:

In this year-long class, students will have the opportunity to learn the more advanced and competitive style of ballroom dance known as "International Style". The dances they learn will be of the following: Paso-double, Samba, rumba, Viennese waltz, Jive, Int. Cha cha, Int. Waltz, American foxtrot, and American waltz. The international style is more often used in competitions and performances which is why we are learning it in this class. Students in this class will have multiple opportunities to perform their routines. Each semester learning 2 routines. The pre-requisite for this class is Level 1 & 2 social dance. This class also has a fee of \$85, and students will need to tryout to be accepted into this class.

GENERAL ELECTIVES

Financial Literacy/ College& Career Awareness (Required Elective) is a life skill course that focuses on essential skills students need to navigate the adult world they will soon be entering. Students will research colleges, joining the workforce, research career opportunities, and personal finance. We will discuss individual roles and responsibilities, communication skills, decision-making, college preparedness, career opportunities, and workforce preparation in class. Students will learn how to budget and plan for future obligations while promoting wise money management. Topics will include behavioral finance, income, spending, time value of money, understanding the cost of using credit, protecting personal data, fraud prevention, and more.

Creative Writing Prerequisite: None As writing is the focus of this course, students will be privileged to have a minimum of 20 minutes of silent writing time every class period. Projects will include a personal narrative, short story, graphic novel, and several forms of poetry. The final portfolio will require clean and revised copies of each assignment (minus the graphic novel) representing the students' best work; a cover letter explaining each piece and a thoughtful reflection of the student's experiences in class and how he or she has grown as a writer is also required.

Mythology Semester course:

The course entails the study of Greek, Arthurian, Norse, and Egyptian mythologies. The course is designed to provide foundational and analytical knowledge of the myths and how they are relevant in society today. Study of the myths are supported with the viewing of films and/or documentaries. Readings, presentations, quizzes and tests are included to demonstrate knowledge of each mythology topic/unit.

Psychology: This is a one semester social studies elective class. In this class we will look at the basics of the history of psychology and psychological research. We will answer questions about human thought and behavior. We'll talk about psychological experiments, how humans learn, what determines personality, and mental disorders and abnormal behavior. This class is a social studies elective class. Students in 9-12th grade may take this course. There are no prerequisites.

Concurrent Enrollment Psychology 1010: This is a full year, psychology class. Concurrent Enrollment classes are considered UVU college level courses. As a college course, students can expect college-level homework and quizzes assigned every class period. In this class we will cover the history of psychology, subfields of psychology, basics of sensation and the nervous system, consciousness, memory, learning, motivation and emotion, human development, personality, intelligence, mental disorders, treatment, and social psychology. This class is open to students in 10-12th grade. There are no prerequisite courses you must take to enroll but to take this class, students will need a teacher recommendation.

English Language Learning (E.L.L.) Students whose first language is not English, (being born in the USA or not) who need assistance in the English language, belong to the ELL (English Language Learners) program. Through the SIOP model, students improve their social and/or academic language. Course work frequently uses the student's existing classes to learn English. Enrollment by invitation or you request.

Senior Capstone Project (Within your chosen Academy) Prerequisite: Teacher Approval
Students will have an opportunity to pursue an academic project of their choosing that best showcases their skills, knowledge and abilities gained during their high school years. This is a semester long project that will culminate in a final product, demonstration or presentation. Projects will be centered on intellectual development/academics, college and career readiness, or humanitarian service and must be approved by faculty.

Mountainland Applied Technology College

Various certification programs available during our school day. These courses are an excellent opportunity to become certified for immediate employment after graduation and to earn college credits. Check their website www.mtec.edu for requirements, deadlines, applications, and schedules. You will earn High School elective credits also. You must be on track for graduation.

PROPOSED ELECTIVES:

World Religions and Anthropology: In this class we will focus on human cultures across the world. We will explore rituals and traditions from cultures you may not be familiar with. We will also look at the 5 major world religions and interpretations of different religious principles worldwide. Come learn about the world! This course is one semester and is open to students in grades 9-12. No prerequisites needed.

Arts & Crafts

\$35.00 class fee + project supplies

.50 Credit - ½ Year

Grades 9-12

This course is a creative exploratory class for those who love to learn and make things. We will explore various contemporary artists who work in a broad range of art materials. Students will be introduced to how these artists fit into the context of art history and will be given an art assignment from the artists themselves. This class is pure fun!

Painting 1

\$35.00 class fee + project supplies

.50 Credit-1/2 Year

Grades 10-12

You must have completed Drawing 1 (no exceptions). Color theory and applications, watercolors, and acrylic will be covered. Basic painting techniques will be taught. Because it is a studio course, extra supplies are required.

Sculpture

\$35.00 class fee + project supplies

.50 Credit - ½ year

Grades 10-12

All students can succeed by regularly attending and participating in class, regardless of his/her artistic training. This course develops strong hands on creative problem and thinking skills. Students will research cultures and art history to learn about how different forms of sculpture and 3 dimensional work has become a recognized fine art form of today. Students will develop introduction skills as they construct a variety of sculpture projects using different materials including clay, paper mache, and found objects. Students will critique and give meaning to their individual art works.

Web Development 1 0.5 credits 1 semester course

Web development 1 is a project-based course that will introduce students to the methods behind the development of websites. Students will gain experience with HTML(Hypertext Markup Language, and CSS(Cascading Style Sheets) to learn the basic building blocks of websites. Students will design, build, deploy and maintain website projects using a variety of techniques. The course will also introduce the creation of more dynamic, functional and interactive webpages through the use of a variety of scripting tools. Students will explore careers within the web development industry, and possible career pathways.