



AP Studio Art

Art

credit amount 1.0 *grade* 9 11
course length Full Year *level* 10 12

This course reflects the same foundation and philosophy as Studio Art but has many more requirements. Students must submit an AP Art Portfolio in May which consists of 24 pieces. The portfolio is evaluated by a national board of judges and college credit may be earned. This course is only for the most committed, serious, and disciplined art students. Projects from previous art classes may be used in the portfolio.

Art History

Art

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

Students will study artists and artistic movements throughout time and place attempting to gain a better understanding of the human compulsion to make art. In this course we will also explore how artists use the formal elements of line, shape, form, and space to create works of art that communicate specific messages—messages about themselves, the patrons who commission the works, and the society in which they live. This class will focus on how art communicates, how to analyze and interpret it, and how we can see it as a cultural product that reveals something about the society that produced it. Short writing assignments and class discussions will be an integral part of the curriculum. Students will also have a "hands-on" opportunity to explore different media.

Art Studio: 2D

Art

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

This course is offered to students who have taken art classes and are ready to explore their own style and preferred medium in a less structured environment. Students will design, plan and execute two dimensional projects based on a general theme while expanding on prior knowledge. Historical connections, aesthetic design principles and the artistic process are taught as well as an emphasis on personal vision and artistic voice through individual work.

Art Studio: 3D

Art

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

This course is offered to students with prior experience in sculpture. Lessons are designed around student interest and general themes that can be individually or cooperatively executed in three dimensions. Historical connections, aesthetic design principles and the artistic process are taught as well as an emphasis on personal vision and artistic voice through individual work.



English I

English

credit amount 1.0 *grade* 9 11

course length Full Year *level* 10 12

This course investigates a variety of themes including courage and empathy through short stories, drama, poetry, mythology, novels, and nonfiction. Students also develop an awareness of the organizational structures of text and seek to relate these structures to their own narrative, descriptive, expository and narrative writing. Students will develop the ability to analyze literature including literary elements and devices.

English II

English

credit amount 1.0 *grade* 9 11

course length Full Year *level* 10 12

This course explores the themes of justice, loss of innocence, search for wisdom, appreciation of literature, etc., through various text: short story, parable, novel, drama, poetry and non-fiction. Students continue to develop abilities in literary analysis through structural, character, thematic and synthesis writing. Students will develop greater sophistication and creativity in their ability to write, read, and discuss literature.

English III

English

credit amount 1.0 *grade* 9 11

course length Full Year *level* 10 12

This course examines thematic strands in American Literature: American roots, modern American identity, American diversity, and the American dream. Students study major writers and their works by drawing connections and extending understanding from the text to themselves and the world, and through developing awareness of the context of American history. Questions: What does it mean to be an American? What is the American dream? Is America truly diverse? Does America have a definable culture? Students will analyze and compose responses through readings, discussions, and written and oral expression.

English IV

English

credit amount 1.0 *grade* 9 11

course length Full Year *level* 10 12

This course examines a variety of world literature, comedy and tragedy in literature. Students will have opportunities to develop an appreciation for literature while drawing connections with other content areas. Students will analyze and compose responses through reading, discussion, writing, interpretive drama and oral expression.



Personal Achievement and Accademic Success

Health

credit amount .5 grade 9 11

course length 1 Quarter level 10 12

This course is designed to engage students in a rigorous academic curriculum set forth to achieve academic success through practice of various study skills, organizational skills, time management and personal as well as academic goal setting. To achieve goals in both academic and personal arenas we will be focusing on writing and note taking skills, reading comprehension, inquiry skills, collaboration, personal awareness and reflection. Students will learn the essential skills and ideals needed to be responsible and active members of scholastic and community oriented environments.

Health: Farm & Food

Health/PE/Wellness

credit amount .5 grade 9 11

course length 1 Quarter level 10 12

This health class focuses on nutrition, the food system and the effects of food on the human mind and body. In addition, two days per week are spent at the CREST farm learning about agriculture first hand while assisting the Community Supported Agriculture program run by CREST. Through independent research project students will explore issues in modern agriculture such as use of pesticides/insecticides, GMO, fish farming, and synthetic vs organic fertilizers.

PE: Cycling

Health/PE/Wellness

credit amount .5 grade 9 11

course length 1 Quarter level 10 12

This is a hands and legs on course for those who love or want to explore the sport of cycling. Students will learn basic bike maintenance and repair as well as engaging in hour long rides in the Wilsonville area. These include road and off road cycling.

Physical Education

Health/PE/Wellness

credit amount .5 grade 9 11

course length 1 Quarter level 10 12

Physical Education is designed to enhance physical fitness and lower stress by engaging in dynamic fitness workouts including weight training, CrossFit, circuit training, Pilates, Yoga, interval workout routines, dynamic stretching, and light cardio workouts. Safety and personal comfort are priority and modifications are offered for all workouts. While daily workouts are routine, we also explore dynamics that go into developing and sustaining a healthy lifestyle. Students will analyze their lifestyle and mindset as it relates it to their self-concept and personal goals. In doing this, we will discuss the concepts of resilience, self-image, healthy balance, media and cultural influences, nutrition and hydration, and self-care.



Advanced Algebra B

Math

credit amount 1.0 *grade* 9 11
course length Full Year *level* 10 12

This course will cover the second half of Advanced Algebra. This course is considered a college prep math course. Students will study polynomials, rational functions, matrices, conic sections, and some trigonometry. At the completion of this course, students should be able to simplify expressions, solve equations, graph functions, and apply basic problem solving skills. Daily assignments and quizzes are used as formative assessments and tests are summative assessments for the course.

Algebra A & B

Math

credit amount 1.0 *grade* 9 11
course length Full Year *level* 10 12

Students will study solving linear equations and inequalities, graphing and writing linear and exponential functions, systems of equations, and an introduction to quadratic functions. At the completion of this course, students should be able to simplify expressions, solve equations, graph functions, and apply basic problem solving skills. Daily assignments and quizzes are used as formative assessments and tests are summative assessments for the course.

Algebra:Problem Solving

Math

credit amount .25 *grade* 9 11
course length 1 Quarter *level* 10 12

This course prepares students to complete the local performance assessment (work samples) to meet the essential skills requirement for graduation. Students review Algebra 1 and Geometry skills and then complete practice work samples. The assessment for this course is official work samples.

Discrete Math

Math

credit amount *grade* 9 11
course length *level* 10 12

Discrete Math provides a fourth year of math for seniors who could benefit from a review of high school mathematics as well as exploring topics and applications not found in traditional high school math offerings. Students are introduced to EXCEL and apply its use through various projects throughout the year, such as personal finance, budgeting and the stock market. Math topics covered in this course include: Review of solving linear and quadratic equations, solving systems of equations and Linear Programming. Review of functions and their graphs (linear, quadratic, exponential and logarithmic), Financial concepts and formulas (compound interest, annuities, payment calculations, mortgages) and the stock market, Review of Geometry concepts (angle relationships, triangle properties, area & perimeter, surface area & volume), and Probability and Statistics. Applications of the math topics are carried out through a variety of projects completed over the course of the year.



Guitar

Music

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

This course covers the basics of the instrument and an application of essential music fundamentals as it relates to the guitar. Students will learn the basics of playing guitar at a beginning level through studying music notation, chord symbols, and peer modeling. The main objective of this course is to create an enhanced appreciation for music through playing guitar. Students will also gain a better understanding of the many musical genres that the guitar affords the individual player to pursue.

Music Composition

Music

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

The student will learn basic techniques for creating loops, electronic music, and other applications by learning how to create in FL Studio 2.0. Upon the successful completion of this course, students will be able to describe and follow the steps needed to create a recording, utilize editing software and DAW instruments to create a recording, and explain the importance of music and sound as a conveyor of ideas.

Music Theory

Music

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

Music theory deals with fundamental concepts of how music works. It examines the language and notation of music. It identifies patterns that govern composition techniques. Music theory analyzes the elements of music-rhythm, harmony, melody, structure, form and texture.

Rock Band

Music

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

Rock Band is a performing ensemble course in which students learn to rehearse and perform a 10-12 Song concert at the end of the quarter. Educational emphasis is placed on individual preparation, group communication and collaboration, creative exploration, music technology and stagecraft, small group leadership skills, and expanding students' knowledge of the contemporary music industry. Styles studied and performed include any and all major popular genres (i.e., rock, pop, R&B) and their related sub-genres. Students must possess previous vocal and/or instrumental experience related to popular genres (solo voice, acoustic and electric guitar, bass, drums, keyboards, etc.).



Modern US History A & B

Social Studies

credit amount 1.0 *grade* 9 11
course length 2 Quarters *level* 10 12

This is a State of Oregon Graduation requirement. It focuses on the various historical eras from progressivism up through the Cold War and Civil Rights movement. Students will Research specific events and people in the various eras while getting an overview of the changes brought about for this country during the last century.

Music History

Social Studies

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

This course is part one of a two- part sequence that examines the history of rock, primarily as it unfolded in the United States. The course covers the creation of the Blues through to the music festival known as Woodstock. The course covers all genres of music, from blues master Robert Johnson to the psychedelic sound of The Grateful Dead. An emphasis both on cultural context and on the music itself. We will also explore how developments in the music business and technology have shaped the musical styles that emerged.

Philosophy

Social Studies

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

This is a rigorous academic class suited for college bound students. It is focused on the study of knowledge and involves high level thinking and discussion. Major topic include: Logical theory, Ethics and Epistemology. Reading, writing and discussion are part of each unit as well as in depth case studies on ethics.

Street Law

Social Studies

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

This is an in depth study of Constitutional and Procedural Due Process of Law as it relates to your individual rights and responsibilities under American Law. Use of documentary film and case studies of those issues which have shaped our modern legal system.

Survival Studies

Social Studies

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

This class focuses on the psychology and practical skills for wilderness and urban disaster survival. We study historical survival stories as well as practice skills such as shelter building, firecraft, edible plants and first aid.



Digital Animation

Technology

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

In Digital Animation students will utilize computer programs such as Adobe Photoshop, Stop Motion, Dragonframe, and Adobe Illustrator, Unity, Blender and other programs to craft moving images in a variety of different formats. Possible formats include creating phenakistascopes on a record player as viewed through a digital shuttle, creating digital pixel animations for a large scale array of LEDs, producing animations for devices that utilize mechanics of persistence of vision. Topics include frame rates, persistence of vision, beat patterns within constructive and destructive interference, digital compression, bit rates, and the hexadecimal system. This is an engaging class that will offer students with a propensity toward art a gateway into digital practices that are currently used in graphic design, web design, and computer science industries.

Electronics I

Technology

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

ATHS Electronics I will introduce programming using the Arduino IDE and C++ language. In Electronics I students will begin by initializing LED's, defining variables, and modifying code. As they progress, students will begin to write their own code, implement loops and functions. Their final project will be to create a unique and individual product of their own.

Electronics II

Technology

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

ATHS Electronics II will introduce programming using the Arduino IDE and C++ language. In Electronics II students will begin by initializing LED's, defining variables, and modifying code. As they progress, students will begin to write their own code, implement loops and functions. Electronics II will be more advanced than Electronics I and student will be interpreting wire diagrams, components, and performing calculations and labs. Their final project will be to create a unique and individual product of their own.

Electronics III

Technology

credit amount .5 *grade* 9 11
course length 1 Quarter *level* 10 12

ATHS Electronics III will solidify everything learned in Electronics I and II again, programming using the Arduino IDE and C++ language. In Electronics III students will begin by initializing LED's, defining variables, and modifying code. As they progress, students will begin to write their own code, implement loops and functions. Emphasis will be on labs, and the science behind circuitry. Their final project will be to create a unique and individual product of their own.



Independent Study

Various Departments

credit amount

grade 9 11

course length

level 10 12

An independent study project provides an opportunity for a student to explore an area of interest or to extend learning in a specific subject area. Students will collaborate with a teacher to develop a Project Plan, including identifying Learning Targets, describing the product of learning, developing a timeline, creating an evaluation plan, and celebrating completion of the study. Please see the Academic Counselor to find out more about this opportunity.