

Harrisburg High School 2023-2024 Course Catalog



Together we empower all students to succeed

Mr. Richard Fielder, Principal

Courses Offered:

Agricultural Leadership
Agricultural Mechanics
Algebra I
Algebra II
American Literature 10
Anatomy and Physiology
Animal Science
AP Composition (every other year)
AP Literature (every other year)
AP US History (every other year)
Art
AVID
Backpacking
Band
Biology
Biology II
Ceramics
Advanced Ceramics
Chemistry
Citizenship
Competitive Robotics
Consumer Math
Creative Writing
Digital Art
Digital Audio
Drumline
Economics
English 11
English 12
Film as Literature
Forestry
Freshman Flourish
Future Readiness
Global Studies
Health I
Health II
Health Occupations
Honors English 9
Honors English 10
Honors Global Studies
Jazz Band
Junior Jumpstart

Leadership
Lifetime Fitness
Natural Resources
Personal and Career Readiness
Physical Education
Physical Science
Physics
Plant Science
Podcasting
Pre-Algebra
Pre-Calculus
Psychology (every other year)
Robotics
Scientific Illustration
Spanish I
Spanish II
Spanish III/IV
Speech and Debate
Survey of Literature 9
Weight Training
Welding I
Welding II
Welding III
Welding IV
Woods I
Woods II
Woods III
Woods IV
World History
World Literature
Writing 121
Writing 122
Yearbook

Agricultural Education Department

Ag. Leadership

Instructor: Teague Teece

Grade Level: 10-12

Prerequisites: Intro To Ag

HHS Credit: 1

Course Description: Learn, practice and refine the skills needed to be successful after high school. Ag Leadership includes Parliamentary Procedures, Communications, and Presentation skills. Emphasis is placed on Career Development Events, Agriculture Literacy, and Community Service through FFA. This class rotates offerings with Ag Business. Taking this and Ag Business sets students up to be eligible for CNC credit AG 111 at LBCC.

Ag. Mechanics

Instructor: Teague Teece

Grade Level: 10-12

Prerequisites: Intro To Ag , Welding 1 recommended

HHS Credit: 1

Course Description: This course engages students through Power, Structure and Technology curriculum. Focusing on building skills in Welding, Construction, Equipment Operation, and Small Engine Mechanic Skills. Students will have an opportunity to expand their skills outside the lab through FFA and SAE participation in areas of Agricultural Mechanics as well as public Speaking and Job Interview skills. This course empowers students through projects and production based curriculum.

Animal Science

Instructor: Teague Teece

Grade Level: 10-12

Prerequisites: Intro To Ag

HHS Credit: 1

Course Description: Animal Science is an in-depth study of organisms as they relate to agriculture. The course explores ecology, the cell, genetics, evolutionary processes, and physiology of animals. Basic biochemistry skills and scientific inquiry will be practiced throughout the course. This class explores the science of agriculture in these areas through hands-on applications in, and outside of the classroom. Extended application through participation in FFA Career Development Events and Supervised Agriculture Experience is highly encouraged to obtain the most from this course. This class is structured to align with CNC Credit ANS 121 through LBCC.

Natural Resources & Forestry

Instructor: Teague Teece

Grade Level: 10-12

Prerequisites: Intro To Ag

HHS Credit: 1

Course Description: Utilizing the Oregon Forest Resources Institute high school curriculum 'Inside Oregon's Forests.' Our course engages students in lessons about environmental, economic and social importance of Oregon's Forests. Students will be able to explain basic tree biology, identify forest types in Oregon, describe current issues facing Oregon's forests, identify actions they can take to help ensure the sustainability of our forests and more! Extended application through FFA Career Development Events and Supervised Agricultural Experiences are encouraged. This class is structured to align with CNC Credit CSS205 through LBCC.

Intro To Agriculture

Instructor: Teague Teece

Prerequisite: None

Grades: 9

HHS Credit: .5

Course Description: This course is an engaging overview of all things agriculture. Students get the opportunity to learn about the industry through hands-on applications in, and out of the classroom. Topics explored in this class relate to natural resource systems, soils, plant science, animal science, agriculture, leadership, and organizations such as FFA. This will be a prerequisite course leading into other advanced courses within the agriculture program.

Plant Science

Instructor: Teague Teece

Grade Level: 10-12

Prerequisites: Intro To Ag

HHS Credit: 1

Course Description: Plant Science is a hands-on class to learn how to grow plants indoors and out. Learn how to garden, make compost, and produce plants in a greenhouse. In addition to growing vegetables for food, this class will produce ornamentals and flowers to sell. Students will have the opportunity to engage in inquiry based learning around Plant Biology. Extended application through FFA Career Development Events and Supervised Agricultural Experiences are encouraged. This class is structured to align with CNC Credit CSS205 through LBCC and HORT 111 through Chemeketa Community College.

Electives

Freshman Flourish

Instructor: Jessie Marshall

Grade Level: 9

Prerequisites: None

HHS Credit: .5

Course Description: Freshman Flourish is a support class that 9th graders should take. The course is a mixture between AVID, and Freshman Success. Students will begin their 4 year plan, organization and time management, grades, courses, career and college pathways, and so much more. Students will understand the basic concepts of how to survive high school.

Junior Jumpstart

Instructor: Ian Ogden

Grade Level: 11

Prerequisites: None

HHS Credit: .5

The Junior Jumpstart class is a one semester course designed to prepare students for the second half of their high school career, while also preparing them for the ins and outs of career and college readiness. Students will research and explore various career pathways to help determine the path they need to take to achieve their desired career. In addition, students will learn how to create a resume, cover letter, and apply to jobs. For those that are interested, there will also be ample opportunity to prepare for the college, FAFSA, and scholarship application process. The course is designed using the career and college guidelines outlined on the ODE website.

Future Readiness

Instructors: Mallory Nelson and Will Jones

Grade Level: 9-12

Prerequisites: None

HHS Credit: .5

This course is designed to provide students with practical knowledge and skills essential for a successful transition into post-high school life. This course focuses on key areas such as physical fitness, financial literacy, nutritional awareness, basic culinary skills, mental health management, and career exploration

AVID

Instructor: Ian Ogden

Grade Level: 9-11

Prerequisites: None

HHS Credit: 1

AVID (Advancement via Individual Determination) is a program designed to prepare students for four-year college eligibility and post secondary success. The program has a proven track record of eliciting the best academic and social performance in students while closing the achievement gap for historically underrepresented students. This course is designed to grant students the opportunity to acquire, develop, and ultimately master the valuable skills of WICOR (writing, inquiry, collaboration, organization, and reading). The philosophy of AVID and the techniques embedded help students develop strong work habits. Students are required to use higher order thinking and are encouraged to employ these skills on a daily basis. Additionally, students are empowered with resources to adequately prepare for the college admissions process and post secondary career options, while providing support that will ultimately lead to success after high school. Students will be assessed using the AVID 9/10 standards.

Psychology

Instructor: Matt Ciaffoni

Grade Level: 11-12

Prerequisites: None

HHS Credit: .5

In Psychology, which is a course for Juniors and Seniors, students will examine human behavior and thought patterns in various ways. We will examine the biological make-up of the mind, personality

development, personality disorders, social psychology, states of consciousness, and the self/relationships. Students will also participate in a variety of lab-based activities to examine class topics in an active form.

Yearbook

Instructor: Jessie Marshall

Grade Level: 9-12

Prerequisites: None

HHS Credit: 1

Course Description: Yearbook is about a year long class dedicated to the production, design, and publication of the school yearbook. This production based course requires both in class and after school time. Students will understand basic concepts and practice of digital photography, including understanding and use of the camera, lenses, and other basic photographic equipment.

Resource Room

Instructor: Susan Fisher

Grade Level: 9-12

Prerequisites:

HHS Credit: 1

Leadership

Instructor: Jamie Tatum

Grade Level: 9-12

Prerequisites: By application

HHS Credit: 1

Students enrolled in leadership will develop and expand their leadership capacity. Through the use of leadership activities to support positive student body outcomes as congruent with the first objective of expanding the leadership capacity of the students enrolled in the course. . By the nature of this class, students will be afforded opportunity for personal growth, to serve others, to produce good personal outcomes and to support positive outcomes in peers, and the school and community. Leadership provides the opportunity to develop and refine the skills and habits of a leader, plan events, administrate assemblies, and to make a difference leaving a positive legacy at HHS.

English Language Arts

American Literature 10

Instructor(s): Wes Beckstead, Amanda Coers

Grade Level: 10

Prerequisites: Survey of Literature 9 or Honors English 9

HHS Credit: 1

10th American Literature will focus on the evaluation of literature from three centuries of historical, creative and transitional stories. Students will survey important authors, diverse poets and female writers. They will synthesize this with modern stories and study how science fiction and horror fiction writers like H.P. Lovecraft and Mary Shelley created many of the modern TV and movie formulas that we view. Students will practice the principles of writing through grammar activities, organizational strategies and creative content. They will write daily, including important and polished essays.

AP Composition

Instructor: Wes Beckstead

Grade Level: 11-12

Prerequisites: Survey of Literature 9/Honors English 9 and American Literature 10/Honors English 10

HHS Credit: 1

The AP English Language and Composition course is designed to help students become skilled readers of prose from a variety of periods, disciplines, and rhetorical contexts, especially focusing on nonfiction writing and issues from recent and current years. The emphasis of this class will be to help the students become skilled writers and thinkers who can compose for several audiences and purposes. Students will be aware of interactions among a writer's purposes, audience expectations, and subjects, as well as how the syntheses of generic conventions and language contribute to effective writing.

AP Literature

Instructor: Wes Beckstead

Grade Level: 11-12

Prerequisites: Survey of Literature 9/Honors English 9 and American Literature 10/Honors English 10

HHS Credit: 1

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

Creative Writing

Instructor: Amanda Coers

Grade Level: 11-12

Prerequisites: Survey of Literature 9/Honors English 9 and American Literature 10/Honors English 10

HHS Credit: 1

Students will unleash the power of words in this creative writing course tailored for juniors and seniors. Young writers will delve into the art of storytelling, honing their narrative skills through a variety of genres, from fiction to poetry. Students will explore the intricacies of character development, plot construction, and thematic elements, guiding them towards crafting compelling and authentic narratives. This class will aid in refining writing techniques and helping students discover their voice as emerging writers.

English 11

Instructor: Ian Ogden

Grade Level: 11

Prerequisites: Survey of Literature 9/Honors English 9 and American Literature 10/Honors English 10

HHS Credit: 1

English 11 will examine a variety of texts that depict common themes found throughout a wide range of literary genres from authors around the world. This class will encompass all aspects of English Language Arts including reading comprehension, literary analysis, grammar, MLA research, writing, speaking and listening skills. Students will read, discuss, and write about a variety of works, while guided instruction in essay writing will give students a format for both formal and personal essay responses.

English 12

Instructor: Ian Ogden

Grade Level: 12

Prerequisites: Survey of Literature 9/Honors English 9, American Literature 10/Honors English 10, and World Lit 11/AP Literature/AP Composition

HHS Credit: 1

English 12 will explore a wide range of both literary and informational texts centered around common themes found primarily in American literature. This class will encompass all aspects of English Language Arts including reading comprehension, literary analysis, grammar, MLA research, writing, speaking and listening skills. Students will read, discuss, and write about a variety of works, while guided instruction in essay writing will give students a format for both formal and personal essay responses.

Film as Literature

Instructor: Wes Beckstead

Grade Level: 11-12

Prerequisites: Survey of Literature 9/Honors English 9 and American Literature 10/Honors English 10

HHS Credit: .5

Film as literature is a one-semester survey of classic film making, actors, directors and time periods that shaped modern entertainment. Students critically analyze films across decades and evaluate how and why they are critically acclaimed chapters of American cinema and society. The class requires strong attendance and willingness to offer evaluations and insight. It is a glimpse at the creation of historical and modern ideas that have shaped our current perspectives and attitudes.

Honors English 9

Instructor: Jill Wardwell

Grade Level: 9

Prerequisites: None

HHS Credit: 1

Course Description: The Honors Survey of Literature (Honors English 9) course is a foundational class for student success. The reading, writing, speaking, listening, and critical thinking skills taught and practiced in this course are a vital part of all students' development. Students will read a variety of literature selections and genres and write in several modes, (including a formal research paper). In the course, students will continue to sharpen their grammatical skills, increase their vocabulary, present their ideas in formal and informal presentations, listen and respond to others' ideas in class discussions, utilize time management skills, and be responsible for their learning. The Honors English 9 class will feature a more rigorous course of study for students looking for increasingly complex coursework for their grade level.

Honors English 10

Instructor: Wes Beckstead

Grade Level: 10

Prerequisites: Survey of Literature 9 or Honors English 9

HHS Credit: 1

10 Honors American Literature will focus on the evaluation of literature from three centuries of historical, creative and transitional stories. We will survey many of the important authors, diverse poets and female writers. Students synthesize this with modern stories and film including science fiction stories that examine the American Dream. Furthermore, we learn and practice with more depth to help students discover the strategies to organize and write scholarly essays with support. Much of these techniques and writing labs are designed to prepare students for AP Composition and AP Literature and prepare them to succeed in college.

Speech and Debate

Instructor: Wes Beckstead

Grade Level: 11-12

Prerequisites: Survey of Literature 9/Honors English 9 and American Literature 10/Honors English 10

HHS Credit: .5

Speech and Debate is a semester class offered at Harrisburg High School. The purpose of this course is three-fold. First, students will learn valuable critical thinking skills as a result of intensive listening, note-taking, arrangement and organization of ideas, deep questioning of concepts, and persuasive advocacy. Second, students will learn valuable skills by working with groups and sharing strategies to achieve particular goals. Students will be given a significant amount of intellectual and strategic freedom when constructing unique case positions. Finally, students will improve their English speaking and comprehension skills as a result of the intense interactive demands that debate naturally fosters. In short, students will improve a variety of skills while working in a fun and interactive environment.

Sports Journalism

Instructor: Wes Beckstead

Grade Level: 11-12

Prerequisites: Survey of Literature 9/Honors English 9 and American Literature 10/Honors English 10

HHS Credit: 1

Sports journalism will be a writing lab that includes independent and collaborative efforts in modern, online sports journalism. Students will study methodologies of professional writers and develop their own creative angles and ideas for live audiences. They will select from genuine professional and collegiate teams. It's highly recommended for sports enthusiasts who learn to apply their passions with real-world writing and for students who would like to learn more about why sports affect American society. It's also a great chance to learn more about why sports is a growing trend in society, ranging from youth sports to fan viewing and writing and to social media.

Survey of Literature 9

Instructor: Jill Wardwell

Grade Level: 9

Prerequisites: None

HHS Credit: 1

Course Description: The English 9 course is a foundational class for student success. The reading, writing, speaking, listening, and critical thinking skills taught and practiced in this course are a vital part of all students' development. Students can expect to read a variety of literature selections and genres and to write in several modes of writing, (including the composition of a research paper). Students will continue to sharpen their grammatical skills, increase their vocabulary, present their ideas in formal and informal presentations, listen and respond to others' ideas in class discussions, utilize time management skills effectively, and be responsible for their learning.

WR 121

Instructor: Wes Beckstead

Grade Level: 11-12

Prerequisites: Survey of Literature 9/Honors English 9 and American Literature 10/Honors English 10

HHS Credit: 1

Writing 121 is a dual-credit high school and college course designed to help advanced students become skilled writers and readers from a variety of periods, disciplines, and rhetorical contexts. The course engages students in the study and practice of critical thinking, reading, and writing. The course focuses on analyzing and composing across varied rhetorical situations and in multiple genres. Students will apply key rhetorical concepts flexibly and collaboratively throughout their writing and inquiry processes. The course includes nonfiction writing and issues, and it examines classic and contemporary fictional prose. The emphasis of this class will be to help the students become skilled writers and thinkers who can compose essays and versatile writing for diverse audiences and purposes. Students will be aware of interactions among a writer's purposes, audience expectations, and subjects, as well as how the syntheses of generic conventions and language contribute to effective writing.

WR 122

Instructor: Wes Beckstead

Grade Level: 11-12

Prerequisites: WR 121

HHS Credit: 1

Writing 122 is a dual-credit high school and college course designed to help advanced students with research and composition to develop their academic presentations of writing. The course teaches students to form inquiry questions and collect research data in order to establish claims and positions for analysis. In addition, students will develop argumentation essays through research-based genres and uses of rhetorical strategies. Students will find, evaluate, and interpret complex material, including lived experiences. The emphasis will be to pursue their own research and content.

Fine/Applied Arts**Art**

Instructor: Amanda Coers

Grade Level: 9-12

Prerequisites: None

HHS Credit: .5

Students will explore their own creativity in a safe environment that encourages mistakes and experimentation. This course covers the fundamentals of drawing, painting, and mixed media works, providing a solid foundation for artistic development. Students will delve into art history, gaining insights into cultural influences that shape the visual arts. Through hands-on projects, they'll hone their skills and cultivate their own unique artistic voice. This class seeks to build artistic proficiency and encourages critical thinking.

Ceramics

Instructor: Noah Talmadge

Grade Level: 9-12

Prerequisites: Noine

HHS Credit: 1

In this introductory ceramics course, students will explore the fundamentals of hand-building and wheel-throwing techniques to create functional and decorative pieces. Through hands-on experience, students will learn about clay preparation, pinching, coiling, slab construction, and throwing on the potter's wheel. They will also gain an understanding of glazing techniques, surface decoration and the ceramics process.

Digital Art

Instructor: Amanda Coers

Grade Level: 9-12

Prerequisites: None

HHS Credit: 1

This course invites students to explore the intersection of technology and creativity, using digital tools to bring their artistic visions to life. Students will utilize industry-standard software while cultivating a keen eye for visual aesthetics. Basic design concepts and principles will be taught throughout the course and students will improve their skills with regular design projects throughout the year.

High School Band

Instructor: Gus Gyde

Grade Levels: 9-12

Prerequisites: Four years of experience in Band

HHS Credit: 1

High School Band is a class for experienced student musicians playing standard concert band instruments. Each rehearsal will be focused on building each student's fundamental musical skills and performing challenging and high-quality music. We perform at three concerts, march in our annual Harrisburg Light Parade, attend a band festival in Eugene, and perform at our High School Graduation each year.

Jazz Band

Instructor: Gus Gyde

Grade Levels: 9-12

Prerequisites: Currently enrolled in High School Band

HHS Credit: .5

Each rehearsal will emphasize the various eras and styles that are part of the world of Jazz. There will be a special focus on learning scales and improvising.

Drumline

Instructor: Gus Gyde

Grade Levels: 9-12

Prerequisites: Currently enrolled in High School Band

HHS Credit: .5

Drumline involves intense focus on reading rhythms, percussion performance techniques, and interpreting various styles of percussion music from all over the world. Any student who is enrolled in High School Band may join Drumline, even if their primary instrument is not a percussion instrument.

Podcasting

Instructor: Matt Ciaffoni

Grade Level: 10-12

Prerequisites: None

HHS Credit: 1

The Podcasting class produces the Harrisburg Podcast News podcast. The class members are responsible for planning, writing, editing, and producing content for our bi-weekly episodes. Students are expected to be skilled at independent work, responsible behavior, and a willingness to try new things.

Digital Audio Engineering

Instructor: Matt Ciaffoni

Grade Level: 10-12

Prerequisites: None

HHS Credit: 1

Digital Audio Production is an alternative music course for students who are interested in creating and producing their own music. Students will learn techniques in producing MIDI, live audio, and mixing and editing music. Students are expected to be motivated to make their own music and have a willingness to stick with long-term projects until their completion. While students do not need to know how to play an instrument, it does help if they have some prior knowledge and experience.

Spanish 1

Instructor: Janna Swigart

Grade Level: 9-12

Prerequisites: None

HHS Credit: 1

Spanish 1 is a year-long course using the “Somos” curriculum to begin to acquire the Spanish language at a novice level. We focus on target vocabulary structures for each unit using a variety of strategies and activities such as stories, songs, and games. We also explore some cultural components, participate in an exciting world-wide music competition called “Locura de Marzo”, read a beginning level novel followed by an “Escape Room” activity, and prepare food together several times. As the year progresses students build more skills and are able to communicate more and more.

Spanish 2

Instructor: Janna Swigart

Grade Level: 10-12

Prerequisites: Spanish 1

HHS Credit: 1

In this course, students build on the previous year (see Spanish 1) progressing through the next units while still using many stories, games, songs, and more. We also still explore culture and cooking! This year they add more skills with the past tense. Students read a comprehensible novel in this class as well which builds confidence. The students move along the proficiency path acquiring more language skills and being able to make themselves better understood. Listening and Reading are emphasized.

Spanish 3

Instructor: Janna Swigart

Grade Level: 11-12

Prerequisites: Spanish 1 & 2

HHS Credit: 1

In this course, students build on the previous years (see Spanish 1 & 2) We continue to add new units using the same types of methods as before sprinkled with culture and cooking. This class is a small group setting and lends itself to more one-on-one feedback and small-group interaction. Listening and Reading are still emphasized, but students are encouraged to try to speak and read aloud more and more.

Spanish 4

Instructor: Janna Swigart

Grade Level: 12

Prerequisites: Spanish 1, 2, and 3

HHS Credit: 1

This is a rewarding year to be able to see the “training wheels” come off of the bicycle. By this time, the students have already had many target vocabulary structures, read many books, and seen various verb tenses. We continue the other activities, but students have more feedback one-on-one because this class is a small group setting. We continue to build on the previous years and move along the “Path to Proficiency”. I encourage more speaking in this course than in Spanish 1 & 2. Just like babies and toddlers learn language in their native tongue, it takes time for students to feel comfortable and confident to speak in their second language.

Industrial Arts

Woods I

Instructor: Wes Brent

Grade Level: 9-12

Prerequisites: None

HHS Credit: 1

Course Description : Woodworking is a course designed to introduce students to general woodworking practices. Students will expand their knowledge and experience through various projects, lessons, and vocabulary. Students will be expected to learn about and safely use hand tools, power tools, and woodworking machinery. The projects are designed to give students as much experience as possible by using many different machines and tools. The projects will also cover as many aspects of the building and woodworking industries as is possible in an entry level course.

Upon successful completion of this course, the student will have woodworking skills that will be useful in any aspect of the construction industry. Additionally, the student should have a broader understanding of construction processes as well as more in depth problem solving skills.

Woods II

Instructor: Wes Brent

Grade Level: 10-12

Prerequisites: Woods I

HHS Credit: 1

Course Description : This course is designed for students to expand their knowledge and experience through various projects, lessons, and vocabulary. This is more of a project based course with required projects along with approved student projects. Students will be required to complete all projects. Projects are designed to give the student more advanced knowledge and experience. Course will cover general house construction, cabinetry as well as finish carpentry. Students will have the opportunity to work on their own projects with instructor approval.

Upon successful completion of this course, the student will have woodworking skills that will be useful in any aspect of the construction industry. Additionally, the student should have a broader understanding of construction processes as well as more in depth problem solving skills.

Woods III

Instructor: Wes Brent

Grade Level: 11-12

Prerequisites: Woods II

HHS Credit: 1

Course Description :

Woods IV

Instructor: Wes Brent

Grade Level: 12

Prerequisites: Woods III

HHS Credit: 1

Course Description :

Welding I

Instructor: Wes Brent

Grade Level: 9-12

Prerequisites: None

HHS Credit: 1

Course Description : An introductory level course designed to introduce students to basic and intermediate welding techniques; Oxygen/Acetylene, GMAW, SMAW. Students will learn the theory of welding and the processes involved, safe practices and use of all equipment within the shop. Students will complete a series of welds within each process.

Welding II

Instructor: Wes Brent

Grade Level: 10-12

Prerequisites: Welding I

HHS Credit: 1

Course Description : Welding 2 builds on knowledge and skills that were developed in Welding 1. This is more of a project based course with required projects along with approved student projects. Students will be required to complete all projects. Welding applications will include shielded metal arc welding (SMAW), Oxy-Acetylene welding, gas metal arc welding (GMAW) and gas tungsten arc welding (GTAW). There will also be various cutting techniques using oxy-fuel torches, plasma and cutting discs along with intro to CNC plasma.

Upon successful completion of this course, the student will have welding skills that will be useful in any aspect of the welding industry. Additionally, the student should have a broader understanding of welding processes as well as more in depth problem solving skills

Welding III

Instructor: Wes Brent

Grade Level: 11-12

Prerequisites: Welding II

HHS Credit: 1

Course Description : In this class students will gain confidence and improve their skills in welding and fabrication through the completion of long term projects. This course will incorporate production technology through the use of computer aided manufacturing tools including a CAD design software, CNC plasma cutter and a water jet cutter. Students will have the opportunity to work on their own projects with instructor approval.

Welding IV

Instructor: Wes Brent

Grade Level: 12

Prerequisites: Welding III

HHS Credit: 1

Course Description : This class is a continuation of Welding 3 where students will continue to gain confidence and improve their skills in welding and fabrication through the completion of long term projects. This course is mainly project based. This course will incorporate production technology through the use of computer aided manufacturing tools including a CAD design software, CNC plasma cutter and a water jet cutter. Students will have the opportunity to work on their own projects with instructor approval.

Health

Health I

Instructor: Stephanie Sather

Grade Level: 9-10

Prerequisites: None

HHS Credit: .5

Course Description: Health is a combination of physical, mental/emotional, and social well-being. This is a one-semester class, which uses lecture, discussion, readings, films, guest speakers and hands-on activities to help each student understand all aspects of personal and community health. A major goal is for each student to take personal responsibility for their health and well-being while attempting to make positive lifestyle changes. Topics to be covered include: Dimensions of Health, Physical Health, Nutrition, Alcohol, Tobacco and Other drugs, Family Life, and First Aid/CPR/AED.

Health II

Instructor: Stephanie Sather

Grade Level: 11-12

Prerequisites: Health 1

HHS Credit: .5

Course Description: Health is a combination of physical, mental/emotional, and social well-being. This is a one-semester class, which uses lecture, discussion, readings, films, guest speakers and hands-on activities to help each student understand all aspects of personal and community health. A major goal is for each student to take personal responsibility for their health and well-being while attempting to make positive lifestyle changes. Topics to be covered include: Mental/Emotional Health, Action for Happiness, Healthy Relationships, Body Systems, Diseases and Disorders and First Aid/CPR/AED.

Health Occupations

Instructor: Stephanie Sather

Grade Level: 11-12

Prerequisites: Health 1 & Health II

HHS Credit: 1

Course Description: HP 100: This course is a programmed learning course covering basic medical terminology, derivation, pronunciation, and meaning. This course presets a study of basic medical terminology. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, and abbreviations are included in the content. HP 110: Principles of filing and records management specifically for the medical facility - Legal and ethical concerns of confidentiality and privacy. Fundamentals of client reception, appointment scheduling, telephone techniques, and letter composition.

Math

Pre-Algebra

Instructor: Mallory Nelson

Grade Level: 9

Prerequisites: Math 7

HHS Credit: 0

This course is designed to lay the groundwork for a solid understanding of algebraic concepts. This class focuses on essential mathematical skills, providing students with the foundational knowledge necessary for success in more advanced mathematics courses.

Algebra I

Instructor: Mallory Nelson

Grade Level: 9-12

Prerequisites: Pre-Algebra

HHS Credit: 1

This is an exploration of foundational algebraic principles, equipping students with essential skills for mathematical reasoning and problem-solving. Key concepts covered include algebraic expressions, linear equations and inequalities, quadratic functions and factoring, exponents and radicals, and rational expressions and equations. Through problem-solving activities and real-world applications, students will solidify their understanding of these concepts, preparing them for success in advanced mathematics.

Algebra II

Instructor: Will Jones

Grade Level: 9-12

Prerequisites: Geometry

HHS Credit: 1

Course Description: In this course, students will expand, refine and perfect their Introductory Algebra skills and begin practicing Algebra at the Intermediate Level. Students will study Functions and their properties. Students will encounter a variety of different functions and the strategies necessary to evaluate, analyze and apply these functions. These functions include: Linear, Quadratic, Polynomials, Inverse, Radical, Exponential, Logarithmic and Rational.

Geometry

Instructor: Will Jones

Grade Level: 9-12

Prerequisites: Algebra I

HHS Credit: 1

Course Description: Students will learn the Fundamentals of Analytic and Synthetic Geometry. Students practice applying Theorems and Axioms to solve problems related to shapes and figures. Students learn about the properties of shapes and figures, for example: Points, Lines, Planes, Two-Dimensional and Three-Dimensional shapes, Angles, Triangles, Quadrilaterals, and so on. Students are also introduced to concepts related to Discrete Mathematics, such as Formal Logic. These concepts are applied to the study of Synthetic Geometry.. Students sharpen their Algebra skills throughout the course. Students in Geometry are expected to already know how to do basic Algebra.

Pre-Calculus

Instructor: Will Jones

Grade Level: 9-12

Prerequisites: Algebra II

HHS Credit: 1

Course Description: Pre-Calculus is a two-part course designed to prepare students for Differential and Integral Calculus. The first part focuses on sharpening Intermediate Algebra skills and pushing students to the Advanced/College level of Algebra. This section of the course focuses on various types of Functions and their properties. The second part of this course is focused on Trigonometry and related Geometrical topics. Students will study how to apply Trigonometric properties to the Unit Circle. Students will learn how to work with Polar Coordinates, Polar Planes and the Complex Plane. Students will also study Conic Sections and their applications. Lastly, students will look at some introductory topics in Calculus, such as Limits.

Consumer Math

Instructor: Mallory Nelson

Grade Level: 9-12

Prerequisites: Algebra and Geometry

HHS Credit: 1

This is a practical and applicable exploration of fundamental mathematical concepts for real-world financial decision-making. This course focuses on key areas, including budgeting, banking, taxes, credit, and personal finance. Students will gain skills in calculating interest, understanding mortgages, budgeting for everyday expenses, and analyzing financial statements. The course emphasizes practical application through scenarios encountered in daily life, empowering students with the mathematical tools needed for informed financial decision-making. Whether planning for major purchases, understanding investment options, or navigating financial responsibilities, this course provides a solid foundation for financial literacy and responsible consumer behavior.

Physical Education**PE**

Instructors: Stephanie Sather, Jamie Tatum

Grade Level: 9-12

Prerequisites: None

HHS Credit: .5

Course Description: This class is designed to educate students on how to live a well –balanced active lifestyle, and to assist students in improving their overall fitness level. Activities taught will necessitate use of a variety of motor skills in diverse physical activities. This class is graded on dressing-down, participation, effort, and sportsmanship. Emphasis will be placed on individual effort to have a positive gain physically, mentally and socially during this course.

Weight Training

Instructor: Scott Buzzard

Grade Level: 9-12

Prerequisites: None

HHS Credit: .5

Course Description: This course is based on the premise that physical activity and participation are important for all students, regardless of their level of athletic skill or ability. Activities taught will include a variety of speed and agility drills along with multiple strength and conditioning exercises (with the majority taking place in the weight room). Other activities may be included by the instructor.

Throughout these various activities, students in this class will learn how to incorporate physical activity into their daily lives. In addition, we hope to instill enjoyment of physical workouts, as well as an understanding of the importance of maintaining physical fitness. Emphasis will be placed on individual effort to have a positive gain physically, mentally and socially during this course.

Lifetime Fitness

Instructor: Jamie Tatum

Grade Level: 11-12

Prerequisites: By Application

HHS Credit: .5

Course Description: Lifetime Fitness is designed to educate students on how to safely and productively improve their overall fitness level through engagement in different lifetime fitness and recreation activities. Students will apply movement skills and fitness concepts and evaluate health and skill-related components of fitness in lifetime activities. Students will predict how physical activity interests and abilities are likely to change across a lifetime, and how to respond to personal challenges. Students will participate in a variety of activities in which you will demonstrate and apply complex motor skills, movement concepts, and skill related components of various fitness activities. Students will also identify barriers to physical activity and strategies to overcome those barriers in developing a personal vision for lifetime fitness. This course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness and movement activities for a lifetime.

Backpacking

Instructor: Jamie Tatum

Grade Level: 11-12

Prerequisites: By Application

HHS Credit: .5

This class is designed to educate students on how to safely productively improve their overall fitness level through engagement in the pursuit of hiking and backpacking. Activities taught will necessitate use of a variety of motor skills in diverse physical activities. This class is graded on activity engagement, homework, in class performance indicators, written, verbal, and physical, as well as 2 independent day hikes (with documentation) and 1 extended multi-day overnight backpacking trip or final exam.

Backpacking will provide the student exposure to the fundamental concepts and guidelines of hiking and backpacking. The course will also examine equipment selection, food selection and preparation, functional outdoor skills and evaluating and responding to risks and challenges. The course will discuss minimizing the impact on the environment (Leave No Trace techniques), safety, and orienteering to make the experience a safe and enjoyable one. The course content emphasis relates primarily with extended day hikes and overnight excursions to prepare students with the knowledge to safely, productively, and successfully engage in the activities.

Science

Physical Science

Instructor: DJ Ellis

Grade Level: 9

Prerequisites: None

HHS Credit: 1

This class is designed to provide students with an opportunity to gain a richer understanding of the forces that govern the natural world. We will be investigating: How does Science happen, Chemistry topics, Earth Science and physics topics. In addition, you will be expected to demonstrate understanding through experiments, projects, presentations and other assignments.

Biology

Instructor: Madelyn Suffridge

Grade Level: 10

Prerequisites: Physical Science

HHS Credit: 1

In this course students will learn all about LIFE – the current definition of life, how living things are organized and function, how they interact with one another and their environment, and how they change over time. Students will learn about the scientific process and practice the skills needed to partake in and complete that process through hands-on labs and a variety of other activities that incorporate current events and new discoveries being made constantly in the scientific community.

Biology II

Instructor: Madelyn Suffridge

Grade Level: 11-12

Prerequisites: Biology

HHS Credit: 1

This course goes deeper into topics covered in Biology with higher rigor and expectations.

Anatomy and Physiology

Instructor: Madelyn Suffridge

Grade Level: 11-12

Prerequisites: Biology with a C or higher

HHS Credit: 1

This course provides a comprehensive study of the anatomy (structure) and physiology (function) of the human body, from the molecules that build and fuel our cells, to the organ systems that work in synchronization making us the organisms that we are. Current research, events, and career information will be incorporated throughout the course.

Scientific Illustration

Instructor: Madelyn Suffridge

Grade Level: 11-12

Prerequisites: Biology and recommend a previous art class

HHS Credit: 1

This course introduces students to the world of scientific art (i.e. the relationship between art and science). We will focus on Scientific Illustration specifically, however we will learn about other types of art and how they are used by the scientific community as well. This is an upper level, project-based science class. It will be rigorous yet fun. We will be taking notes, doing research, AND learning how to create scientific illustrations (i.e. making art!).

Chemistry

Instructor: DJ Ellis

Grade Level: 10-12

Prerequisites: Physical Science and Algebra

HHS Credit: 1

Chemistry is a college preparatory course. This challenging class will cover the essential topics to give you a firm foundation for classes you may take later and for the chemistry you experience in everyday life. Furthermore, this class will give you a deeper understanding of the scientific processes that go on around you and the interconnections among the sciences, society, and the environment. This class will also aim to give you reading and studying strategies to help you become a more effective reader, learner and thinker.

Physics

Instructor: DJ Ellis

Grade Level: 11-12

Prerequisites: Algebra and Geometry

HHS Credit: 1

Physics involves the scientific approach to the study of nature in its simplest form. We will investigate motion, forces, and energy through hands-on experiments and engaging demonstrations. Develop critical thinking skills through problem-solving and real-world applications, preparing for a future in science, engineering, or any field where a solid foundation in physics is invaluable.

Robotics

Instructor: DJ Ellis

Grade Level: 9-12

Prerequisites: None

HHS Credit: .5

In our high school robotics course, students embark on an immersive journey into the world of automation and technology. Through hands-on projects, they learn to design, build, and program robots using industry-standard software and hardware. Exploring mechanics, electronics, and computer science, they grasp the interdisciplinary nature of robotics. Collaborative teamwork is fostered as students tackle challenges, applying creativity and problem-solving to complete tasks and competitions. This course not only equips students with technical skills but also cultivates a mindset of innovation essential for tomorrow's technological landscape.

Social Science**Global studies**

Instructor: Jessie Marshall

Grade Level: 9

Prerequisites: None

HHS Credit: 1

Course Description: Global Studies about the study of the world. Students study global and international politics, economics, business, media, history, society, and culture throughout the world. Students are able to grasp a global perspective of what is happening outside the United States.

Honors Global Studies

Instructor: Jessie Marshall

Grade Level: 9

Prerequisites: None

HHS Credit: 1

Course Description: Honors Global Studies is a class where students are encouraged to "discover" knowledge through group discussion, critical thinking, reading, writing, and research. Students study global and international politics, economics, business, media, history, society, and culture throughout the world. Students are able to grasp a global perspective of what is happening outside the United States. Through the honors class, students begin to develop students' ideas, discuss issues, embrace

innovation and find their own style in learning.

US History

Instructor: Jill Wardwell

Grade Level: 10

Prerequisites: Global Studies

HHS Credit: 1

Course Description: American History is a full-year (two-semester) course that is designed to begin with a review of the Civil War and then into Reconstruction and ending with current times. Students will use a variety of primary and secondary source materials to understand and interpret the past, including multiple points of view and historical context. The course will be presented as an open-minded examination of American heritage through the perspective of historical narrative and social science.

AP/College Now US History

Instructor: Matt Ciaffoni

Grade Level: 11-12

Prerequisites: Honors English track

HHS Credit: 1

College Now/AP US History is a college-level US History course in which students can earn college credit for their performance. The class is a survey of US History from 1492-2008. Students will be asked to implement a variety of historical and critical thinking skills, as outlined by the College Board.

World History

Instructor: Jessie Marshall

Grade Level: 10-12

Prerequisites: Global Studies

HHS Credit: 1

Course Description: World History is a year long class about the study of ancient history. The course covers the rise of civilization to the decline of major world civilizations in the early Common Era (c. 200 CE to c. 500 CE). Studies the ancient civilizations of Mesopotamia, Egypt, India, China, and the Greco-Roman world.

Citizenship

Instructor: Matt Ciaffoni

Grade Level: 12

Prerequisites: None

HHS Credit: .5

Citizenship is a required senior course, designed as a class to examine the foundations of our country's political, legal, and governmental systems. . The class will look at a broad spectrum of topics that shape the way our country operates, and how citizens are impacted by our government. .

Economics

Instructor: Matt Ciaffoni

Grade Level: 12

Prerequisites: None

HHS Credit: .5

Economics is a required course for Seniors. The class focuses on how scarcity, choices, and other economic influences have impacts on our daily lives. Students will also get exposure to personal finance topics surrounding budgeting, investing, credit and debt, and how to pay their own taxes.