

East Helena High School



2026-2027 Registration Handbook

East Helena Public Schools Mission Statement

East Helena Public Schools in partnership with the parents and community will offer a caring environment where students gain knowledge, grow in wisdom, develop confidence and value learning for life.

Vigilante Credo

We are the Vigilantes. We value the power of community. We stand up and speak up for what is right and true. We defend and empower each other with pride and honor. We are the Vigilantes!

East Helena School District Motto

"Success for All Students!"

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Dual Credit and Dual Enrollment Information

Helena College Dual Enrollment Information for Parents

This information is provided to the parents of students who have expressed interest in the dual enrollment program offered through Helena College. Dual enrollment refers to college classes taken by high school students.

High School juniors and seniors are eligible for dual enrollment.

Benefits:

- **Earning free/reduced price college credit:** All Montana high school students are eligible for 6 free college credits through the statewide One-Two-Free program. Additional credits are billed at half-price, currently \$54.30/credit at Helena College. Online and hybrid course fees are waived. Students are responsible for paying for all books and class supplies.
- **Preparation for college:** Students will learn how the structure and pace of a college class differs from high school, which can help give them confidence as they prepare to attend college full-time. They can also explore classes and subjects that interest them and get a jump-start on earning the credits that they will need for a college degree.
- **Individualized advising:** Helena College dual enrollment advisors have office hours at East Helena High School each week and are available to help students choose classes as well as connect them with resources that will help them be successful.

Responsibilities:

Dual enrollment classes are college classes. These classes require much responsibility and self-initiation on the part of the student.

The following statements are written for the student, however both parents and students should read these statements together and discuss the student's readiness for college-level classes:

1. As a dual enrollment student, I understand that classes I choose to enroll in will have course content, instructor focus, and classroom discussions designed for college students. Instructors and classmates will expect mature, adult behavior.
2. Instructors expect students to perform at a college-level. If I have any issues with class content or with an instructor, I am expected to reach out to them in a timely manner. My parents/guardians cannot communicate with instructors on my behalf.
3. Parents/guardians are not permitted to attend class with any student.
4. The pace of the college classroom will be significantly accelerated compared to high school classes, and I will consider this when selecting classes.
5. Dual enrollment classes follow the college's timeline, catalog, policies, and procedures. I understand that the college semester will not align with my high school semester and that I should familiarize myself with the college academic calendar.
6. Federal education law, the Family Educational Rights and Privacy Act (FERPA) governs access to the records of minor students enrolled in college. Under FERPA, parents DO NOT have the right to access their students' educational records without written consent from the student. I may complete a Release of Information form found here: http://helenacollege.edu/admissions_enrollment/forms/dual-enrollment-release-information-pdf. This does not grant parents the right to serve as a proxy for the student.
7. The email address that a student provides on their application will be the email the college uses to communicate with them. Please do not use a parent/guardian's email for this point of contact.

8. By enrolling in the dual enrollment program, I am creating a permanent college academic record and transcript. The credits I earn through this program will stay with me throughout my collegiate career. Grades earned in classes will become part of my official transcript. A permanent academic record may impact my eligibility for future financial aid, scholarships and transferring credits to another college/university.

Resources for students:

All dual enrollment students have access to the same resources as college students. Even if students are enrolled in an online class, they have access to these resources. Student are encouraged to visit the Helena College campus to access:

- Academic advising
- Library services (including semester laptop checkout)
- Free tutoring
- Student ID card (available for \$15)
- Study space

Next steps:

1. Student completes the Dual Enrollment Approval form and submits to their high school counselor.
2. Student meets with a Helena College dual enrollment advisor to identify a class they would like to take.
3. Student completes the Dual Enrollment application packet and submits to Helena College.
4. Helena College will email student registration instructions and student will use these instructions to register for their chosen class.
5. Student will acquire books and materials needed for the class.
6. Student will pay bill (after free credits are used up).
7. Student and parents will attend a Dual Enrollment Orientation.

In addition, we attempt to offer Dual Credit options each year at EHHS. These courses are taught by EHHS teachers and give students an opportunity to earn 3 college credits over the course of the year for that class. Students have a choice in these courses to either take it solely for high school credit or to take it for the college credits as well. If a course is a dual credit course, it is listed as such in the registration handbook.

Montana Digital Academy (MTDA) Opportunities

We are fortunate to have a quality online learning system in Montana that provides students an opportunity to take a course if a district does not offer it. In the original credit sphere of MTDA, students are eligible to take one class at a time, after the student and parent complete the sign-off sheet associated with being prepared and understanding the intricacies of taking an online course. If a student is interested in taking an MTDA course, they need to work through their counselor and administration.

If a student fails a required core course (Math, Science, English, Social Studies) there is a possibility that we will utilize the MTDA Credit Recovery option to help that student get back on track for graduation.

East Helena Public Schools Graduation Requirements

All students wishing to earn their diploma from East Helena Public Schools must meet the minimum requirements listed below.

Credit Area	Credits – Traditional Diploma	Credits – Advanced Diploma*
English	4	4
Math	3	3
Social Studies	3 (Global Studies, US History, American Government)	3 (Global Studies, US History, American Government)
Science	2	3
Fine Arts	1	1
Career and Technical Education	1	1
Physical Education	1.5 (Freshmen PE or Intro to Weights, Sophomore PE)	1.5 (Freshmen PE or Intro to Weights, Sophomore PE)
Health Education	0.5	0.5
Electives	7	7
Total	23	25

*In addition to the extra classes, students must have taken at least 2 Honors** Credits in their Freshmen or Sophomore year, at least 4 of our AP Course Offerings, and at least 1 Dual Enrollment/Credit Class*

Honor courses can include Math and Science courses above listed requirements and Advanced CTE courses that allow for certification

Montana High School Association Eligibility Requirements

Students and families are encouraged to review the MHSAs Rules and Regulations that can be found on the MHSAs website – mhsa.org – each year. This site will have the most up-to-date regulations as they are updated in January each year after the Annual Meeting

The Board of Trustees recognizes the value and contributions of high school activities. The Trustees further recognize that academic growth is the primary mission of the school program. Policies pertaining to scholastic standing, transfer, award and other regulations can be found at www.mhsa.org.

East Helena High School is an active member of the Montana High School Association and as such follows the by-laws set forth by the association. To be eligible to participate in an Association Contest, a student shall meet the following criteria:

- Be regularly enrolled in twenty hours per week at the school where the student participates.
- Be in regular attendance.
- Have received a passing grade and received credit in at least twenty periods (4 classes) of prepared class work or its equivalent, in the last previous semester, at the school where the student participates.
- If a student is assigned an “incomplete” in a subject, he/she has not received a passing grade in this subject.

NCAA and NAIA Guidance

For those considering participating in collegiate athletics, it is essential that you are aware of the requirements at each of those levels. Both the NCAA and NAIA have varying requirements on courses taken, grades, and testing scores in order to pass the clearing house and be eligible to participate.

Information on NCAA standards can be found at www.eligibilitycenter.org

Information on NAIA standards can be found at www.PlayNAIA.org

Montana University System (MUS) Admissions Standards

Below are the general requirements for admission to any of the schools within the Montana University System. In general, the below standards are outlined for admission to a Montana University or College.

2.5 GPA or rank in the top half of your class or achieve a score of the following

- | | | |
|----------------------------|---------|-----------|
| ● MSUN | ACT: 20 | SAT: 1050 |
| ● MSUB, MSU, UM, Tech, UMW | ACT: 22 | SAT: 1120 |

And

College Prep Curriculum – Found at (<http://www.mus.edu/asa/hscp/index.asp>)

And

Math Proficiency Standards

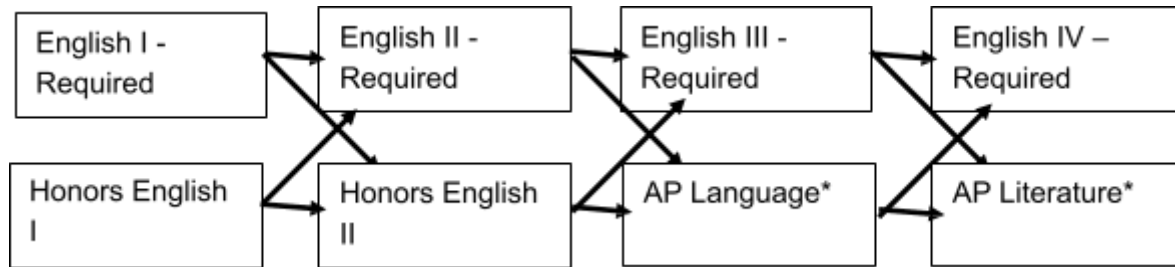
- ACT 22
- SAT 27.5
- Complete the Rigorous Core

And

Writing Proficiency Standards

- ACT Optional Writing Test 7
- ACT ELA 18
- SAT Writing Essay

English - Core Requirement (4 credits)



*This course is a separate course that will still fulfill the requirement.

English/Language Arts I

Credits: 1.0 (Full year)

Grade Level: 9

Prerequisite: None

Course Description: English I combines reading, writing, speaking and listening, and language activities aligned to State Standards. Reading selections include novels, drama, non-fiction, poetry, and short stories. Major writing assignments will include informational, argumentative, narrative, and literary analysis.

Honors English/Language Arts I (Will fulfill English I requirement)

Credits: 1.0 (Full Year)

Grade Level: 9

Prerequisite: Instructor Approval (Application Required)

Course Description: This accelerated course is designed to challenge students with exceptional interest in literature, writing, language, and discussion. Students are expected to have strong organizational and study skills as this course will require reading to be done outside of class. Reading selections will include novels, drama, non-fiction, poetry and short stories. Major writing assignments will include informational, argumentative, narrative, and literary analysis. The curriculum is in accordance with State Standards.

English II

Credits: 1.0 (Full year)

Grade Level: 10

Prerequisite: English I

Course Description: English II offers a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop skills to determine the author's intent and theme, recognizing the techniques used by the author to deliver their message.

Honors English II (Will fulfill English II requirement)

Credits: 1.0 (Full year)

Grade Level: 10

Prerequisite: English I and Instructor Approval (Application Required)

Course Description: This accelerated course is designed to challenge students with exceptional interest in literature, writing, language, and discussion. Students are expected to have strong organizational and study skills as this course will require reading to be done outside of class. Reading selections will include novels, drama, non-fiction, poetry and short stories. Major writing assignments will include informational, argumentative, narrative, and literary analysis. The curriculum is in accordance with State Standards.

English III

Credits: 1.0 (Full year)

Grade Level: 11

Prerequisite: English II

Course Description: English III is a required class that covers the critical standards all Juniors need. The class is designed as a survey of American Literature from early informative texts through modern writing. The influence of various groups on literature and culture will be examined. Students will learn, expand, and refine expository writing skills. Vocabulary use, critical thinking, and speaking will be emphasized.

AP Language (Will fulfill English III requirement)

Credits: 1.0 (Full year)

Grade Level: 11

Prerequisite: English II and Instructor Approval (Application Required)

Course Description: AP Language is designed as an extensive study of rhetoric and language. The goal of the class is to develop an awareness among students of purpose in language use and to adapt that awareness to their own writing. Frequent writing in many different modes will develop students' ability to reason and express that ability. The course will use US Literature as a focal point although authors from many different cultures will be read. The main focus will be on non-fiction writing but will include fiction from short stories as well as novels.

English IV

Credits: 1.0 (Full year)

Grade Level: 12

Prerequisite: English III

Course Description: English IV is a required course that covers the critical standards all Seniors need. The class is designed as a survey of British Literature from early texts through modern writing. Students will learn, expand, and refine expository writing skills, and prepare for their post-secondary life. Vocabulary use, critical thinking, and speaking will be emphasized.

AP Literature (Will fulfill English IV requirement)

Credits: 1.0 (Full year)

Grade Level: 12

Prerequisite: English III and Instructor Approval (Application Required)

Course Description: AP Literature is designed as an intensive examination of various genres of literature as well as extensive writing practice. Frequent writing in many different modes will develop students' ability to reason and express that ability. The course will cover literary elements and rhetoric, poetry, drama, short stories, and novels.

English Electives – Do not satisfy the 4-credit requirement for English

Yearbook:

Credits: 0.5-1.0 (Semester or Full year)

Grade Level: 10, 11, 12

Prerequisite: Successful Application Required Before Placement

Course Description: This course combines to produce the Vigilante Newspaper and Yearbook. Students will develop themes, take photographs, and use publishing software to edit photos and produce the two projects. Students will sell ads, market and sell the yearbook. Students in this course will be required to spend time outside of class working on Yearbook and Newspaper related tasks.

Creative Writing:

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: None

Course Description: Creative Writing is designed to study writing as an art and explore generating ideas, using critical thinking and reflection. Students consider how culture affects writing and how writing is an effective tool and an integral part of our lives. We study a variety of genres including poetry, short fiction, plays, song lyrics, and nonfiction from multiple authors to inspire your own creative process. We will experience sharing our work aloud with a small audience and publishing for a wider audience.

Myths, Legends and Tales:

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11 and 12

Prerequisite: None

Course Description: Myths, Legends, and Tales is an English elective semester course. The class is a project based course examining mythology and folklore from around the world. Students will be given an overview of various stories (Greek mythology, Folk Tales, Urban Legends, etc), and then complete an independent research assignment in that area to share with class.

Sci-Fi Fantasy Literature

Credits:0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: None

Course Description: Fantasy and Sci-Fi literature aims to define and investigate both genres of literature. For the first quarter, the class will focus on the elements of fantasy including: fairy tales, talking animals, magical worlds, supernatural, and high fantasy. For the second quarter, we will look at both “hard” and “soft” science fiction, with a focus on: classic sci-fi, space-faring, newtopia, and devastation. We will read two short novels(one per quarter) as well as a variety of excerpts and short stories. Long-term projects will develop student’s ability to work with the elements of both genre, develop their writing skills of the genres.

Speech and Debate

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: This introductory course covers a variety of styles of public speaking and formal debate. Through research, practice, and instruction, students will become familiar with these styles. Each unit will culminate in performance assignments that require students to demonstrate their abilities within the classroom setting. Opportunities to take their knowledge to competition within the EHHS Speech and Debate team will be available.

Journalism

Credits: 0.5-1.0 (Semester or Full Year)

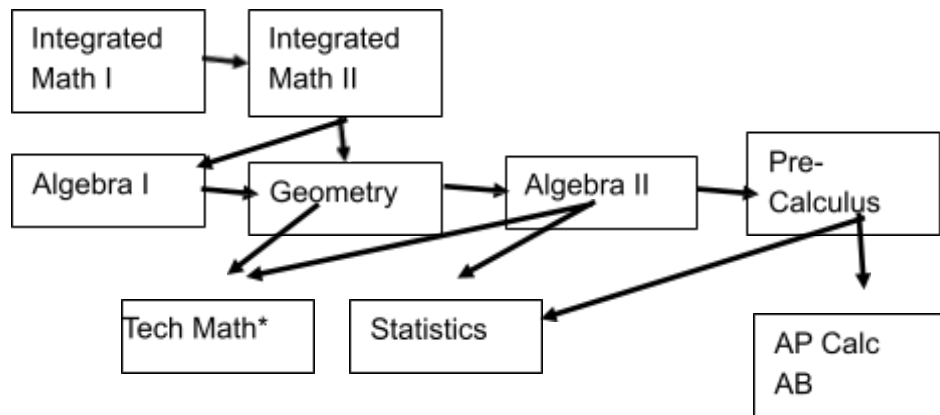
Grade Level: 10, 11, 12

Prerequisite: English I

Course Description: This class introduces students to basic concepts in journalism, with a heavy emphasis on writing. Students will hone their photography, design, interview, and reporting skills to produce a monthly newspaper that is timely and relevant to issues impacting students at EHHS.

Math – Core Requirement (3 credits):

ALL Math course placements are made by teachers. All courses need a signature from the current math teacher for registration



Basic Integrated Math I

Credits: 1.0 (Full year)

Grade Level: 9,10, 11

Prerequisite: Teacher Approval

Course Description: Basic Integrated Math I establishes the foundation for Algebra 1 and completes the first half of Algebra 1 curriculum over the course of a full year. Students in Integrated Math I will study one and two-step equations, the vocabulary of Algebra, scientific notation, operations with integers and rational numbers, solve and graph equations and inequalities, work with proportions, percent, probability, statistics and measurement. This course will also include math applications in the real world. Successfully completing this course will prepare students to enter Career Algebra II.

Basic Integrated Math II

Credits: 1.0 (Full year)

Grade Level: 10,11

Prerequisite: Successful completion of Basic Integrated Math I

Course Description: This course completes the Foundations for Algebra 1 curriculum incorporating probability, statistics, exponential functions, quadratic functions and equations, radical expressions and foundations of Geometry. This course will also include math applications in the real world. Successfully completing this course will prepare students to enter Geometry or Technical Math.

Algebra I

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11

Prerequisite: Successful completion of Math 8

Course Description: Algebra I builds upon previous algebraic and arithmetic skills. Students will use new models, tools, and methods to solve problems. Topics of study include functions, linear relationships, expressions and equations, systems of equations, arithmetic and geometric sequences, two-variable data, exponential and quadratic functions, inequalities, and complex

equations.

Geometry

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11

Prerequisite: Algebra I, Integrated Math II, or Teacher Recommendation

Course Description: Geometry is designed to challenge students to solve complex problems, visualize and analyze two-dimensional and three-dimensional objects, and build on graphical geometry concepts presented in Algebra I and Integrated Math. Students will learn to logically organize and justify steps to complex exercises and build communication skills through the channel of mathematics. Topics of study include parallel lines, triangles, quadrilaterals, circles, area and volume, coordinate geometry, congruence, transformations, and geometric proofs.

Algebra II

Credits: 1.0 (Full year)

Grade Level: 10, 11, 12

Prerequisite: Algebra I

Course Description: Algebra II is a high-level course designed for students who have successfully completed Algebra I and Geometry or who are simultaneously enrolled in Geometry. Students will extend their understanding of geometric and algebraic concepts from previous courses. Using a variety of methods, students will work with linear, polynomial, exponential, and logarithmic functions. Topics covered include functions, transformations of parent graphs, intersections, inverses, logarithms, trigonometric functions, polynomials, statistical distributions, series, variability, and analytic trigonometry.

Pre-Calculus

Credits: 1.0 (Full year)

Grade Level: 11, 12

Prerequisite: Algebra II

Course Description: Pre-Calculus is a high-level course designed for students who have successfully completed Algebra II and Geometry. It is a college preparatory course which includes trigonometric functions and analytic trigonometry, inverse functions, complex numbers, conic sections, logarithmic function, exponential functions, and polynomial equations and graphs. Students will also review algebraic techniques, work on realistic problems and modeling, and use hands-on materials as much as possible throughout the year. Students will be expected to continue to develop their ability to communicate mathematically, apply learned concepts to new problem-solving situations, exhibit increased confidence in their ability to solve mathematical problems.

AP Calculus AB

Credits: 1.0 (Full year)

Grade Level: 11, 12

Prerequisite: Pre-Calculus and Teacher Recommendation

Course Description: This is a two-semester course which consists of a full high school academic year of work that is comparable to calculus courses in colleges and universities. It is expected that students who take an AP course in calculus will seek college credit, college placement, or

both, from institutions of higher learning. This course represents college-level mathematics for which most colleges grant advanced placement and/or credit. The AP Calculus AB course is devoted to the topics in differential and integral calculus. Both of these topics are the focus of the AP Examination questions. This class is highly recommended for the college bound student. The AP Calculus Development Committee recommends that calculus should be taught as a college-level course.

Tech Math – Dual Credit

Credits: 1.0 (Full year) – 3 college credits

Grade Level: 11, 12

Prerequisite: Algebra I (C or better)

Course Description: Technical Math is designed to further develop the college bound student's math skills. Students are given the option of taking the course for Dual Credit by paying a tuition fee through Helena College. This course presents basic mathematical topics as they are applied in a technical program. Topics covered include percent, ratio proportion, formula evaluation, basic Algebra and Geometry concepts, trigonometry and measurement. M111 meets the math requirements for the following degrees: Associate of Applied Science for Construction Technology, Certificate of Applied Science in Automotive, Machining, or Welding and a Certificate for Aerospace Welding.

M121 College Algebra – Dual Credit:

Credits: 0.5 (Semester)

Grade Level: 11, 12

Prerequisite: Algebra 2 / Teacher Approval

Course Description: Designed with the purpose of exposing students to mathematical thinking and to help students develop quantitative reasoning skills they will need in life. Will also provide students with the skills required to understand the power of quantitative thinking and the power of numbers in solving and dealing with real-world scenarios. Students will understand that there is more to math than expressions and equations and be provided the opportunity to develop the skills required to make numerically based decisions that impact their lives. Topics include problem solving, voting theory, graph theory, growth models, financial mathematics including personal finance components, essentials of probability and statistics, historical counting, working with large numbers and units, sets, cryptography, and logic.

STAT 216 – Dual Credit:

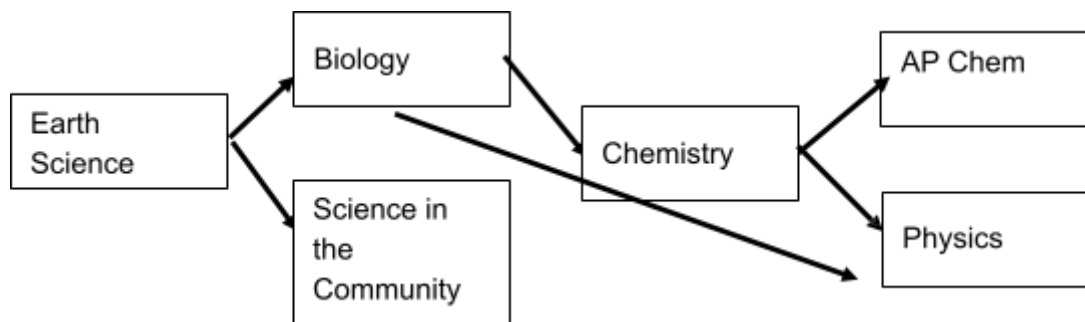
Credits: 0.5 (Semester)

Grade Level: 12

Prerequisite: A C- or higher in M105, M121 or higher or a Math ACT Score greater than 22

Course Description: This course teaches a basic introduction to the fundamental concepts and methods of statistics. Topics include frequency distributions, measures of central tendency, measures of dispersion, fundamentals of probability, binomial distribution, estimation, confidence intervals and hypothesis testing for normal distributions, correlation, and simple linear regressions.

Science – Core Requirement (2 Credits)



Earth and Space Science

Credits: 1.0 (Full year)

Grade Level: 9

Prerequisite: None

Course Description: Earth and Space Science is a one-year introductory course designed to meet the science requirements for graduation. Earth and Space Science builds on middle school ideas and skills which allow high school students to explain more in-depth phenomena central not only to earth and space sciences, but to life and physical sciences as well. The performance expectations blend the core ideas with scientific and engineering practices to explain ideas across the science disciplines.

Honors Earth and Space Science

Credits: 1.0 (Full year)

Grade Level: 9

Prerequisite: Teacher Approval

Course Description: This course takes what is covered in the traditional Earth and Space Science curriculum and increases the depth of which information is covered. Higher expectations are present in this course as the class will move more quickly than the traditional course.

Biology

Credits: 1.0 (Full year)

Grade Level: 10

Prerequisite: None

Course Description: Biology is a one-year introductory life science class designed to meet the biological science requirement for graduation. The academic focus is to develop student reading, writing, processing, and organizational skills. The scientific focus is to improve science vocabulary, scientific observation, inquiry, experimentation, and analysis skills. Safety skills will be stressed each semester. General topics include ecology, molecules and cells, genetics and evolution, and diversity of organisms.

AP Biology

Credits: 1.0 (Full year)

Grade Level: 10

Prerequisite: Teacher Approval

Course Description: This course takes what is covered in the traditional Biology curriculum and increases the depth of which the information is covered. Higher expectations are present in this course as the class will move more quickly than the traditional course.

Science Electives

Chemistry I (Can count as a Science Credit)

Credits: 1.0 (Full year)

Grade Level: 11,12

Prerequisite: C or higher in Algebra I

Course Description: Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied through various labs and lectures.

AP Chemistry (Can count as Science Credit)

Credits: 1.0 (Full Year)

Grade Level: 12

Prerequisite: C or higher in Chemistry I

Course Description: This course will cover chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.

Physics (Can count as Science Credit)

Credits: 1.0 (Full year)

Grade Level: 11, 12

Prerequisite: C or higher in Algebra II

Course Description: This course involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

Intro to Anatomy (Can count as a Science Credit)

Credits: 1.0 (Full year)

Grade Level: 11, 12

Prerequisite: Biology

Course Description: Anatomy and Physiology will give students the opportunity to study the human body beginning at the cellular level and working up to the systems of the body. Systems include skeletal, muscular, nervous, circulatory, respiratory, digestive, excretory, and endocrine systems. Concepts are taught with a variety of methods including lab work, lecture, activities, and demonstrations.

Forensics I and II

Credits: 0.5 (Semester)

Grade Level: 11, 12

Prerequisite: Biology, Earth Science

Course Description: Forensic Science introduces the student to the science of crime scene investigation. The course integrates the applications of biology, chemistry, physics, environmental science, and computer science to explore the field of criminalistics. In addition, students will perform historical case studies and survey careers in forensic science. Laboratory activities will give students the opportunity to demonstrate forensic science techniques presented in lecture. *Different topics will be covered each semester, students who are interested in taking a full year of the class should consult with their counselor.*

Health Careers I

Credits: 1.0 (Full year)

Grade Level: 11, 12

Prerequisite: Biology

Course Description: Health Careers course provides an overview of what it means to be a healthcare professional. Students will explore the topics of history and trends of medicine, professionalism, leadership skills, legal and ethical responsibilities, communication, cultural diversity, healthcare systems, medical math, medical terminology and infection control as they relate to healthcare. Additionally, students will research and reflect on the compatibility of various healthcare professions with their personal traits and goals for the future. This course also teaches First Aid and CPR course content and includes field trips to different locations to learn more about the healthcare field.

Health Careers II

Credits: 1.0 (Full year)

Grade Level: 11, 12

Prerequisite: C or better in Biology, Health Careers I, Teacher Approval

Course Description: Health Careers 2 is a program in which students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. We will design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. Students will work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community.

Astronomy

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: Earth Science

Course Description: Astronomy will give students the opportunity to study the universe building with our own planet and local neighborhoods, moving up to the vast unknown universe. Areas of study include advanced space technology, stars, constellations, planetary systems, solar

systems, galaxies, and the universe.

Genetics

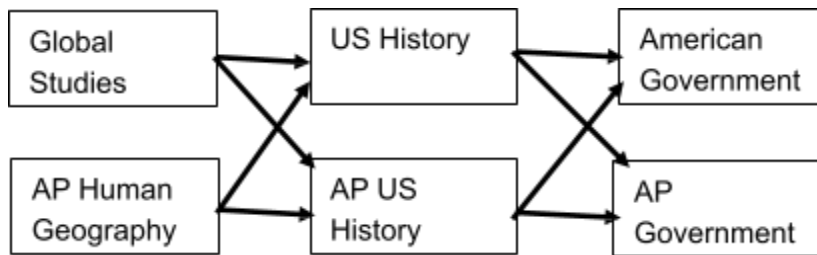
Credits: 0.5 (Semester)

Grade Level: 11, 12

Prerequisite: Biology

Course Description: Students will review basic biology genetics fundamentals, develop knowledge of more complex patterns of inheritance and recognize and understand the types of tools/technologies used to manipulate and observe DNA.

Social Studies – Core Requirement (3 Credits)



Global Studies

Credits: 1.0 (Full year)

Grade Level: 9

Prerequisite: None

Course Description: Students will examine major themes and events of modern World History connecting their roots to ancient times. Crises and questions facing us today focusing on cultural responses to continual human issues relating to global human rights are examined.

AP Human Geography (Fulfills Global Studies Requirement)

Credits: 1.0 (Full year)

Grade Level: 9

Prerequisite: Teacher Approval

Course Description: The AP Human Geography course is equivalent to an introductory college-level course on Human Geography. Content is presented through the themes of economic geography, cultural geography, political geography, and urban geography. An emphasis is placed on understanding the world in which we live today, with information drawn from all of the world's regions. The content of this course is intended for those that are ready for college-level rigor with extended and complex reading and writing assignments.

US History

Credits: 1.0 (Full year)

Grade Level: 11

Prerequisite: None

Course Description: American History is a survey course covering the political, economic and social growth of the United States from the formation of the original thirteen colonies to the present.

AP US History (Fulfills US History Requirement)

Credits: 1.0 (Full year)

Grade Level: 11

Prerequisite: Teacher Approval

Course Description: This course is designed to challenge and stimulate the student's historical awareness. This course is designed to replicate a freshmen-level college survey course on US

History. Through this course, students will develop critical thinking and writing skills using primary source documents, analytical reading of historical materials, and interpretation of graphs, charts, and political cartoons. This course is designed to help students prepare to take the AP History exam in the Spring.

U.S. Government

Credits: 1.0 (Full year)

Grade Level: 12

Prerequisite: None

Course Description: American Government provides students with an understanding of how our government functions and how citizens may participate. Emphasis is placed on becoming a productive, proactive, and informed citizen. The course also includes discussion of current events and various political, social, and economic issues.

AP U.S. Government and Politics (Fulfills American Government Requirement)

Credits: 1.0 (Full year)

Grade Level: 12

Prerequisite: Teacher Approval

Course Description: AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the Constitutional system and political structure of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

Social Studies Electives – Do not fulfill Social Studies graduation requirements

Montana History

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: None

Course Description: This course offers a look at how Montana developed into the state is today. Through this course, students will utilize hands-on projects, guest speakers, readings, and other mediums to focus on the main topic areas of Native American history, the Homesteading Era, the Role of Railroads, gold mining, and many more.

Psychology

Credits: 1.0 (Full year)

Grade Level: 11, 12

Prerequisite: None

Course Description: Psychology is the study of mental processes and their application in explaining and predicting human behavior. Units include biology, behavior, human development, personality, and psychological disorders. Focus is given to self-exploration, including careers related to psychology.

Crisis and Conflict

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: Global Studies

Course Description: This course investigates human interaction, controversial issues, and conflict around the world. We concentrate on conflicts that directly impact the lives of young people. Emphasis is placed on gathering information, critical thinking, debating and problem solving. Development of educational skills such as research, presentations, and public speaking is also emphasized. Each unit addresses social, political, and economic conditions. Conflict and Crisis content is flexible and responsive to current events and relevant global issues and may vary from semester to semester.

Current Events

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: None

Course Description: Current Events is a semester elective that will begin with a unit focused on media literacy, detecting bias, and detecting fake news. The course will then shift to a rotation around the world focusing on the main news trends in each region. Students will consistently be working on sorting through articles, sharing findings, and keeping up with the daily news cycle.

Fine Arts (1 credit)

Band/Choir

Percussion Ensemble

Credits: 0.5 (Semester)

Grade Level: 9, 10

Prerequisite: Instructor Approval

Course Description: Percussion Ensemble builds upon and refines playing technique, musicality, reading skills, and drumline fundamentals percussionists developed during their time in middle school. Percussion Ensemble is a performance-based class with multiple required performances throughout the school year. Students are expected to make a commitment to personal practice and attendance at performances outside of the school day. Percussion Ensemble will have four major concerts, festivals, and band performance trips, all with Freshman Band. Students enrolled in Percussion Ensemble are encouraged, but not required, to take private music lessons. Upon completion of this class students may enroll in Concert Band or audition for Symphonic Wind Ensemble.

Concert Band

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11, 12

Prerequisite: Instructor Approval

Course Description: Concert Band is open to all students who have either completed one year of Freshman Band or have been approved to join. Concert Band expands students' musicality by presenting them with more challenging and complex music to learn, interpret, and perform. Concert Band is a performance-based class with multiple required performances throughout the school year. Students are expected to make a commitment to personal practice and attendance at performances outside of the school day. Concert Band will have four major concerts, festivals, and band performance trips. Students enrolled in Concert Band are encouraged, but not required, to take private music lessons and participate in District Solo and Ensemble Festival. Upon completion of this class students may audition for Wind Ensemble or re-enroll in Concert Band to continue building upon their current skill level.

Wind Ensemble

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11, 12

Prerequisite: Instructor Approval

Course Description: Wind Ensemble is open to all students who have either completed two or more years of Concert Band and/or have been approved to join through an audition. Wind Ensemble students will further refine and develop their musicianship skills to a college-ready level. Wind Ensemble is a performance-based class with multiple required performances throughout the school year. Students are expected to make a commitment to personal practice and attendance at performances outside of the school day. Wind Ensemble will have four major concerts, festivals, and band performance trips. Students enrolled in Wind Ensemble are

encouraged, but not required, to take private music lessons, participate in District Solo and Ensemble Festival, as well as audition for All-State (and All-Northwest Band if possible). Upon completion of this class, students may re-enroll for Wind Ensemble.

Vigilante Jazz Band

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11, 12

Prerequisite: Instructor Approval

Course Description: The Vigilante Jazz Band is the most active of all bands at EHHS. Students enrolled in Jazz Band will be required to prepare for and practice a thorough catalog of music. A high level of professionalism and musicianship is expected of each student in Jazz Band as it is the most challenging and visual band course offered. Students are expected to make a commitment to personal practice and attendance at performances outside of the school day. Jazz Band will have four major concerts in addition to multiple other performances both on and off campus, festivals, and band performance trips. Students enrolled in Jazz Band are encouraged, but not required, to take private music lessons, participate in District Solo and Ensemble Festival, as well as audition for All-State (and All-Northwest Band if possible). Upon completion of this class, students may re-enroll in Vigilante Jazz Band.

Jazz Theory and Improvisation

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: None

Course Description: This class centers around the theory and improvisation of jazz music. Throughout the course, students will cultivate a collection of jazz tunes, blues, Latin, funk, and more. By engaging in activities such as ear training, transcription, historical analysis, jazz theory, honing executive skills, and self-reflection, students will develop the skills necessary to emerge as inventive problem solvers and successful jazz artists. Performance opportunities are provided to all students during the semester.

Modern Band

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Instructor Approval

Course Description: This is a beginner course designed to help students perform a variety of musical styles (e.g., traditional chamber music, jazz, and rock). At the same time, these courses help cultivate students' technique on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic and provide experiences in creating and responding to music. Courses typically range in size from 2 to 20 performers.

History of Rock and Roll

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Instructor Approval

Course Description: Similar in nature to Music History/Appreciation courses, Music History courses focus specifically on the history of music.

Bass Choir

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: This choir is open to all baritone singers, from beginners to those looking to strengthen their vocal skills. Students will focus on building a strong, resonant sound, developing vocal technique, and improving music reading skills in a supportive environment. This ensemble performs a variety of music written for tenor and bass voices, emphasizing teamwork and musical growth. Participation in one evening concert per quarter is required, along with other performance opportunities throughout the year. This is a great chance to build confidence, grow as a musician, and be part of a fun, dynamic group.

Treble Choir

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: This choir is open to all treble voices, no experience required! Students will be given the opportunity to develop vocal technique, sight-reading, and choral artistry in a positive and encouraging setting. Students will explore a diverse repertoire written for treble voices, focusing on tone quality, musical expression, and ensemble skills. Participation in one evening concert per quarter is required, along with other performance opportunities throughout the year. This choir is a wonderful way to gain confidence, refine musical abilities, and connect with a supportive community of singers.

Vigilante Voices

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11, 12

Prerequisite: **Auditioned Choir with teacher approval.**

Course Description: Vigilante Voices is the top auditioned choir for advanced singers looking for a challenging and high-level choral experience. Students will develop advanced vocal technique, sight-reading, and musical artistry while performing a diverse repertoire. This ensemble performs at concerts, festivals, and special events, requiring a high level of commitment. Participation in one evening concert per quarter and additional performances is expected. Voices is for dedicated vocalists striving for excellence in choral music.

Art

All art courses have a minimum fee of \$20-\$30 for materials

Studio Art:

Credits: 1 (Full Year)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: Studio Art is designed to explore and enjoy art no matter the skill level and in preparation for advanced courses. Emphasis is placed on understanding the art vocabulary

and application of Elements and Principles of Design and the “8 Studio Habits of the Mind”: Develop Craft, Engage and Persist, Envision, Express, Observe, Reflect, Stretch and Explore and Understand the Art World. Students will explore a variety of artists, art processes, and materials such as drawing, painting, printmaking, two and three-dimensional design.

Digital Media/Photography:

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: Studio Art

Course Description: Printmaking and Graphic Design will explore how we can create art in the traditional printmaking methods such as Lino printing, mono printing, silk screen and design through technology of various computer programs that can aid us in being more precise and contemporary. Students will explore how these processes are used today and incorporate them into products that might be sold in the school store

Drawing:

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: Studio Art

Course Description: A course that develops drawing techniques and confidence in drawing ability. Course work consists of drawing in as many techniques and media as possible. It is a foundation for learning art concepts. Focus will be on observation and interpretation of the visual environment. All art courses will incorporate principles and elements of design as well as the 8 Studio Habits of Mind.

Painting I:

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Studio Art

Course Description: A course that will develop understanding and skills to create paintings. Course work will focus on a variety of painting techniques and medium types. There will be a study of artist styles, perspectives, observational skills and foundational painting techniques. A focus will be on elements and principles of design and the 8 Studio Habits of Mind.

Painting II:

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Studio Art and Painting I

Course Description: Painting 2 will be a continuation of Painting 1. Students will explore a variety of techniques, mediums, and subjects. Painting surfaces (canvas, unconventional materials, paper, murals). Paint mediums (oil, acrylic, watercolor). Subject matter (still life, portraits, landscape, abstract, realism collaborative pieces). Technique (master work study, plein air, and large works)

Fiber Crafts Art:

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: Studio Art

Course Description: In this class we explore various types of crafting and fiber ideas that might become a lifetime hobby to some. This class gives the novice student a chance to explore alternative creative avenues.

Pottery I:

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: Pottery gives students exposure to basic methods involved in throwing pots on the potter's wheel. Hand building methods such as pinch, coil, slab building techniques. And getting a finished product with various glazes. Emphasis is placed on craftsmanship, originality of ideas and studio protocol.

Pottery II:

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: Pottery I and Teacher Approval

Course Description: In pottery II students will advance their pottery skills in both hand building and wheel throwing. There will be more advanced pots and forms made including larger forms, added appendages, sculpted forms and experimental firing of pots. Students need to be very motivated to improve upon basic pottery skills and be willing to attempt challenging projects in order to register for this class.

Pottery III:

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: Pottery I, II, and Teacher Approval

Course Description:

In pottery III, students will advance their pottery skills in both hand building and wheel throwing. There will be more advanced pots and forms made including larger forms, added appendages, sculpted forms and experimental firing of pots. Students need to be very motivated to improve upon novice pottery skills and be willing to attempt challenging projects to have a successful experience.

Sculpture:

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: Studio Art

Course Description:

Students will focus on three-dimensional form, creating various sculptures and installations. Focus will be on the use of elements and principles when creating three dimensional forms.

AP Art 2D / 3D:

Credits: 1.0 (Full year)

Grade Level: 11, 12

Prerequisite: Teacher Approval

Course Description: In this class students have taken every opportunity to take all offered classes here at EHHS. Students have found a passion for art and want to explore a medium or style more in depth. Students will write up a plan of study including research, presentation and art show display of their semester work. Students will also submit a final portfolio to the College Board AP program for potential collegiate credit.

Theater

Theater

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: In this course, students are provided with the skills necessary to continue college studies, seek a career in theater, and/or become an educated audience member. The focus of this course is on understanding perception, interpretation, and performance. Theatrical heritage and tradition are emphasized. Students will gain an understanding of the influences of the dramatic arts. Students will gain self-reflection skills as well as the ability to evaluate the work of others.

Theater II

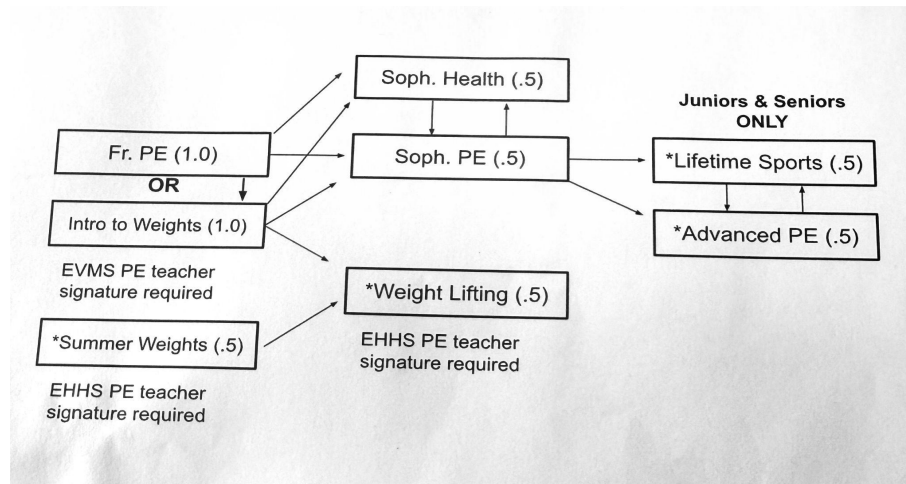
Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Theater I

Course Description: In this course, students are provided with more in-depth knowledge about the skills necessary to continue their role in performances. The focus of this course is on understanding perception, interpretation, and performance. Theatrical heritage and tradition are emphasized. Students will gain an understanding of the influences of the dramatic arts. Students will gain self-reflection skills as well as the ability to evaluate the work of others.

Health and Physical Education (2 credits – 1.5 PE, 0.5 Health)



Freshmen Physical Education

Credits: 1.0 (Full year)

Grade Level: 9

Prerequisite: None

Course Description: This class focuses on improving physical fitness through a variety of physical activities. Students will be required to dress for physical education classes by wearing appropriate gym shoes, shorts, and a t-shirt (it is recommended that they wear the school colors of blue, silver, or white). Students will learn how to achieve and maintain a healthy level of physical fitness through participation in fitness activities, weight training, and individual, dual, and team sports. Students will participate in fitness/conditioning/weight training type workouts each week. Other games and sport activities are designed for enjoyment and recreation.

Sophomore Physical Education

Credits: 0.5 (Semester)

Grade Level: 10

Prerequisite: None

Course Description: This class teaches students about lifetime activities along with a variety of individual and team activities. Students need to have gym shoes (that tie), shorts/sweats and t-shirt (it is recommended that they wear the school colors of blue, silver or white). Fitness goals are achieved as the semester progresses through structured physical activity, the use of heart rate monitors, Fitness Testing, and a variety of planned activities and workouts. Students will also participate in individual, group, and team games with a focus on lifetime activities such as archery, Ultimate Frisbee, cricket, etc.

Intro to Weightlifting (Will satisfy Freshmen PE credit)

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: This course will introduce the fundamentals of weight training to students. In this course, students will have the opportunity to learn weight training concepts and techniques to obtain optimal physical fitness levels. The Five Components of Fitness will be

utilized in this course to ensure that a comprehensive plan can be made to encourage lifetime fitness. Students will also be educated on how other aspects of life (sleep, nutrition, lifestyle choices) can impact ability to grow and maintain lifelong health and wellness.

Weightlifting

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: Intro to Weightlifting

Course Description: The emphasis of this class is to improve muscular strength and endurance, speed and agility through an athletic based workout program. Students will learn how to improve their health and skill related physical fitness. Students will spend time in both the free weights room and doing conditioning in the gym or other spaces. Individual improvement is measured with the Fitnessgram, weight maxes, DOT testing, and a variety of other assessment techniques. In order to succeed, appropriate attire is important. Students need to have gym shoes (that tie), shorts/sweats and a t-shirt (it is recommended that they wear the school colors of blue, silver or white).

Advanced PE

Credits: 0.5 (Semester)

Grade Level: 11, 12

Prerequisite: Freshman PE or Sophomore PE

Course Description: Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.

Lifetime Sports (Does not count as a PE credit)

Credits: 0.5 (Semester)

Grade Level: 11, 12

Prerequisite: Freshmen PE, Sophomore PE or Advanced PE

Course Description: Lifetime Sports is a class that provides opportunities for students to explore a variety of recreational activities that can be enjoyed throughout their lifespan. Students will participate in different individual and team activities during this class. Examples include: Ultimate Frisbee, Field Games, Badminton, Pickleball, Basketball, Volleyball, and Fly-tying. Students will also use a number of community facilities in order to receive the full recreational experience. Examples of community-based activities might include: Disc Golf, Archery, Bowling, Skiing, Skating, Snow Shoeing, Cross Country Skiing, Shooting Sports, Kayaking, Golf, Climbing, and Rafting. Students need to have gym shoes (that tie), shorts/sweats and t-shirt (it is recommended that they wear the school colors of blue, silver, or white). **Students are required to pay a \$80 fee per semester to help cover the cost of using community and commercial facilities**

Health

Credits: 0.5 (Semester)

Grade Level: 10

Prerequisite: None

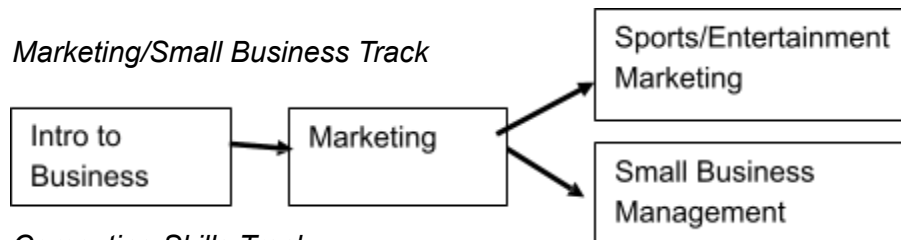
Course Description: This health class will focus on the mental/emotional, physical, and social well-being of students through their lives. An emphasis will be placed on the various aspects of

healthy living in today's society. This class will include written work, tests, and projects that are meant to aid in the student's understanding of current health issues and information.

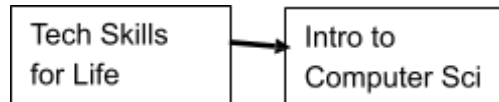
Career and Technical Education (CTE) – 1 Credit

Business

Marketing/Small Business Track



Computing Skills Track



Finance Track



Intro to Business:

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: An introductory business course geared toward the basic principles and functions of business. Business Basics, Economics and Banking, Ethics in Business, Business in a Global Economy, Small Business, Forms of Business Ownership, Business Management and Organization, Motivation, Leadership and Teamwork, Human Resource Management, Online Business and Technology, Marketing and Finance.

Marketing:

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Intro to Business

Course Description: Marketing is an introductory course designed for students who are interested in exploring how products are developed, produced, promoted and distributed. In this course, students will learn the aspects of marketing as they complete the various unit lessons. In addition, communication, interpersonal, leadership, and technology skills will be developed as well as employability and career development strategies.

Small Business Management:

Credits: 1.0 (Full year)

Grade Level: 10, 11, 12

Prerequisite: Intro to Business, Marketing

Course Description: Small business management is a course in business ownership, management and marketing. You will study entrepreneurship topics covering financing, advertising layout and design, and all the aspects to creating a business plan. This class also

involves the operation of the East Helena High School store, the Huschka Haberdashery. The Huschka Haberdashery is a retail-training laboratory which provides opportunity for development of skills and knowledge through “hands on” experience in purchasing, selling, pricing, promotion, product and service planning, customer service, individual and group critical thinking and decision-making. Financial literacy and the development of a business plan complete the year. Whether you are moving into higher education or entering the working world, SBA will provide an easier understanding of advanced business principles.

Technology Skills for Life:

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: Students enhance their skills in business applications focusing on document processing, spreadsheets, databases, and presentations using Microsoft Office Word, Excel, Access and PowerPoint. Students will demonstrate their use of Microsoft Office suite of applications to various applications in the business world.

Personal Finance:

Credits: 0.5 (semester)

Grade Level: 9,10, 11, 12

Prerequisite: None

Course Description: Understanding financial management concepts is an important life skill. This course surveys the basic personal financial needs of most individuals and emphasizes the basics of budgeting, savings & checking, investments, credit, debt, consumer awareness, career readiness, college planning, financial services, insurance, housing and real estate and paying and preparing income tax returns.

Accounting I:

Credits: 0.5 (semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Personal Finance

Course Description: Accounting is a skill-level course that is of value to all students pursuing a strong background in business, marketing, finance and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying, and maintaining numerical data involved in financial and product control records including the paying and receiving money. Instruction includes information on keeping financial records, summarizing them for convenient interpreting and analyzing them to aid management for decision making.

Accounting II:

Credits: 0.5 (semester)

Grade Level: 10, 11, 12

Prerequisite: Personal Finance, Accounting I

Course Description: Accounting is an in-depth skill-level course that is of value to all students pursuing a strong background in business, marketing, finance and management.

Career Planning:

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: This course is for you whether you are college bound or not. In this course, you will enhance your individualized job search skills, including resume writing and interviewing basics. This course discusses career planning basics and gives the students opportunities to learn about and explore various career opportunities.

MDT Internship:

Credits: 1.0 (Full year)

Grade Level: 10, 11, 12

Prerequisite: Must sign up with counselors.

Course Description: This is a paid internship for students who are interested in learning about the Montana Department of Transportation. Students will participate in several rotations throughout the department and job shadow numerous types of potential employers.

Work Experience:

Credits: 0.5-1.0 (Semester or Full year)

Grade Level: 10, 11, 12

Prerequisite: MUST be employed at the start of each semester. Completed Paperwork Required to continue enrollment in course.

Course Description: Work Experience is an elective class for paid employment in an occupational field. Students are required to submit official pay stubs which prove at least 180 hours worked per semester.

Internship Opportunities:

Credits: 0.5 - 1.0 (Semester / Full year)

Grade Level: 10, 11, 12

Prerequisite: Must sign up with both Career Counselor and School Counselors

Course Description: There are many internship opportunities available in healthcare, real estate, trade programs, and more! These are a great opportunity to delve into a potential career pathway before graduation!

Carpentry and Welding

Intro to Industrial Technology

Credits: 0.5 (semester)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: This is an introduction class to basic technology pertaining to woodworking, carpentry, and manufacturing. Emphasis will be on students showing that they can be safe, mature, and respectful in a shop setting. Students will be introduced to different hand tools as well as power tools that are used in the woodworking industry today. Students will also learn

entry level woodworking skills, measuring, layout and basic drafting.

Carpentry I

Credits: 0.5 (semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Intro to Industrial Tech

Course Description: Carpentry 1 is a course designed for beginning to intermediate skill levels in basic woodworking. This course is designed to accommodate those who have taken middle school woods classes, as well as those who have no background in woodworking. Students will learn to properly identify and safely operate tools and shop equipment. Class will cover wood classification, joinery, finishes and project planning and design. Students will build two set projects and then build a wood project of their choice. Once the set projects are done students are responsible to pay for their individual projects. A \$25 lab fee will be assessed to help pay for project materials.

Carpentry II

Credits: 1.0 (Full year)

Grade Level: 10, 11, 12

Prerequisite: Carpentry I and Instructor Approval

Course Description: Carpentry 2 is an advanced construction class. Students will develop advanced skills in woodworking, design and planning. Students will do two set projects, then after that they will have the opportunity to complete individual projects of their own choice, as well as participate in school building projects. Once the set projects are done students are responsible to pay for their individual projects. Students must be self-motivated to succeed in this class. A \$30 lab fee will be assessed to help pay for project materials.

Carpentry III

Credits: 1.0 (Full year)

Grade Level: 11, 12

Prerequisite: Carpentry II and Instructor Approval

Course Description: Carpentry III is a yearlong, advanced construction class. Students will develop advanced skills in cabinet making and complete individual projects of their own choice, as well as assigned projects. The class provides the student with the knowledge and skills necessary to plan and complete cabinetry, furniture and millwork. Students learn to work with prints, specifications and shop drawings, power tools, and equipment in design, layout, and construction of projects. Emphasis is placed on selecting proper materials, determining the best procedures, manufacturing parts to specification, and assembling and finishing projects. Students will work individually and in teams to plan, estimate and execute these projects. Students must be highly motivated to be successful in this class. Projects will be completed with the minimum amount of "how-to" supervision. This means that you will do the thinking! Assigned projects will include a wide array of projects requested by the school, community groups, or individuals. Carpentry III offers a wonderful opportunity to learn valuable trade skills which will serve you well in whatever your future endeavors may be.

Welding I

Credits: 0.5 (semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Intro to Industrial Arts, CAD, or Small Engines

Course Description: Welding I will introduce students to basic welding knowledge and safe practices. Students will learn theory and operation of the SMAW, GMAW, and FCAW, plasma arc, and oxy-fuel systems. Students will learn to read welding symbols and blueprints. \$30 lab fee required.

Welding II

Credits: 1.0 (Full year)

Grade Level: 10, 11, 12

Prerequisite: Welding I

Course Description: Welding II will build off of the basic skills students learned in Welding I and is largely focused on the fabrication process. Students will learn to weld with the GTAW process on steel, aluminum and stainless steel. Cutting and welding operations to cut, cope, and weld structural shapes, basic rigging, and fabrication. 2nd Semester students will fabricate a charcoal grill from start to finish and be allowed to complete a personal project of their choice that is similar in size to their grill. Additionally, students will be exposed to the certification process and what it entails. Students will be required to pay a \$20 lab fee and pay for all projects.

Welding III

Credits: 1.0 (Full year)

Grade Level: 11, 12

Prerequisite: Welding II

Course Description: Welding III will offer students the ability to practice and participate in a limited thickness welding certification in either the SMAW or FCAW-G welding process. Students will explore welding opportunities that exist within the construction trades that include tours of Ironworkers Union facility and Boilermakers Union facility, and Helena College's welding program. Students will be required to participate in an OSHA 10-hour class on general industry or construction industry presented by the Montana department of labor and Industry. This class is focused to prepare students for post-secondary education within construction trades or to enter the construction industry itself. Students will be required to pay a \$30 lab fee and pay for their welding certification.

Small Engines

Credits: 0.5 (semester)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: This is a starting point for essential understanding of the operation of internal combustion gas engines. Students will learn how an engine operates and how to do a basic diagnosis of typical small engine problems. The course will go on to include the basic understanding of automotive vehicles and their systems, including information on service and maintenance of vehicles. This introductory course is a good starting point for any student interested in a future in the automotive repair industry

Computer Aided Drafting

CAD I

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: The class focuses on basic 2D drawings, and 3D drawings using AutoCAD software. Students will also learn the basic drawing commands in V-Carve in order to create a project with the CNC. Students will get the opportunity to use and build projects with a laser engraver, 3D printer, and CNC router.

CAD II

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: CAD I with an 80% or better, or Teacher Approval

Course Description: This class introduces students to the engineering profession where they will be creative and solve problems through exercises, activities, and projects. They will use Autodesk CAD programs, to model and apply the design process for a design they will create. Students use the 3D printer and laser engraver and both a router and plasma CNC to produce their products.

CAD III/CAD IV

Credits: 1 (Full Year)

Grade Level: 10, 11, 12

Prerequisite: CAD II with 80% or better, or Teacher Approval

Course Description: This is an individual project-based class where students use Autodesk Fusion 360 for all 3D printed projects and milling operations and AutoCAD for all laser and plasma cutting operations. Students must be self-motivated to succeed in this class.

Culinary Arts

Foods for Life:

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: In this course, we will examine science concepts related specifically to food, gaining knowledge and skills in food preparation, food selection, nutrition analysis, problem solving, and critical thinking. The study of food can benefit you as you make daily food choices, both now and in the future, and understand the health impacts of those choices.

Culinary I:

Credits: 0.5 (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Foods for Life

Course Description: The first course of the series is Intro to Culinary Arts and is open to all students. The course is designed to introduce basic nutrition and cooking skills for individual and family cooking. The course is based on a whole foods approach with an emphasis on sustainability, local and fresh foods, safety and sanitation, nutrition basics, the relationship

between disease and diet and food culture in the American life.

Culinary ProStart I:

Credits: 1.0 (Full Year)

Grade Level: 10, 11, 12

Prerequisite: Foods for Life and one additional Culinary course / Teacher Approval

Course Description: This course is the second course in the intro to culinary arts series that is designed to build foundational culinary skills for individual and family cooking. The course is focused on developing knowledge of beginner level culinary techniques, procedures and food preparation. Students will leave this course with foundational knowledge that can be applied in the food industry as well as enhance personal well being with a built understanding around culinary arts. Course Fee \$30

Culinary ProStart II:

Credits: 1.0 (Full Year)

Grade Level: 11, 12

Prerequisite: Foods for Life and one additional Culinary course / Teacher Approval

Course Description: ProStart II will follow ProStart I in the industry curriculum created by the National Restaurant Association Educational Foundation. ProStart II will include topics in food preparation, safety and sanitation, menu development and costing, portfolio creation, and food service management. Students will participate in catering and other culinary events throughout the program, some of which will require work outside of the school day. Industry related tours and guest speakers will provide students with career exploration experiences. Students in ProStart II will have the opportunity to compete in culinary events through the state ProStart competitions. This course is student directed and will require passing grades from ProStart I. Course Fee \$30.

Baking and Pastry Arts:

Credits: 0.5 (Semester)

Grade Level: 9,10,11,12

Prerequisite: Foods for Life

Course Description: Baking and Pastry Arts prepares you for successful careers as baking and pastry professionals through building a foundation of principles and skills, and then using specific applications and recipes. Students will be able to prepare a wide array of baked good, pastries, and confections. Students will explore gluten-free baking recipe planning and preparation, altering and preparing recipes to address other allergies/dietary restrictions.

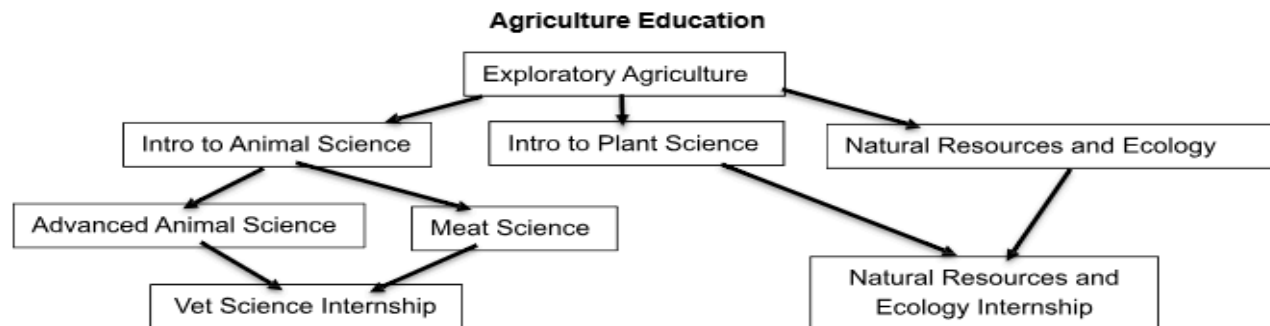
Taste of Culture:

Credits: 0.5 (Semester)

Grade Level: 9,10,11,12

Prerequisite: Foods for Life

Course Description: Taste of Culture course explores the connections between what we eat and cultures around us. As we move around the globe, this course will cover the history and topography as it relates to each region's dietary customs, cuisines and cooking methods. By investigating cultural, spiritual, and social influences on food choices, you can gain an awareness and understanding of diverse populations within our society.



Exploratory Agriculture:

Credits: 1.0 (Full Year)

Grade Level: 9,10,11,12

Prerequisite: None

Course Description: This course will focus on the foundational skills that are needed to be successful in the remainder of the Agriculture Education program. Units in this class will included: Introduction to FFA and AgEd, Supervised Agriculture Experience (SAE), and other introductory units in both the Animal and Plant Science pathways.

Intro to Animal Science:

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12 or Instructor Approval

Prerequisite: Exploratory Agriculture

Course Description: The first course in the Animal Science Pathway will focus on animals in society, care and management, veterinary terminology, and careers in animal science.

Meat Science:

Credits: 0.5 (Semester)

Grade Level: 10,11,12 or Instructor Approval

Prerequisite: Exploratory Agriculture, Intro to Animal Science

Course Description: Meat Science will focus on an overview of meat science, meat processing, meat harvesting and fabrication, meat careers, meat and food safety, beef, pork, mutton, and chevon. Students will learn how to calculate USDA quality and yield grades, identify retail cuts in various species, and calculate carcass grades. When available, students will tour local processing facilities to learn about careers in meat science from farm to table.

Advanced Animal Science:

Credits: 1.0 (Full Year)

Grade Level: 10, 11, 12 or Instructor Approval

Prerequisite: Exploratory Agriculture, Intro to Animal Science

Course Description: Advanced Animal Science is the last in-classroom course in the animal science pathway. This class will use the Cornell Vet Science curriculum and focus on animal anatomy and physiology (skeletal, nervous, muscular, respiratory, digestive, and reproductive systems), reproduction and genetics, animal nutrition and parasitology.

Vet Science Internship:

Credits: 0.5-1.0 (Semester or Full Year)

Grade Level: 11, 12

Prerequisite: Exploratory Agriculture, Intro to Animal Science, Advanced Animal Science

Course Description: Students will work with a veterinary clinic in the East Helena/Helena area to complete a paid/unpaid internship that would help prepare them to enter into the field of veterinary medicine. Students will work with a veterinarian and vet assistants to observe and participate in procedures and exams, complete office tasks, and perform and observe duties related to the daily operations of a veterinary clinic. Each student will work with the AgEd Teacher and Veterinary Clinic to establish goals and duties for their internship.

Intro to Plant Science:

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: Intro to Agriculture

Course Description: This course will focus on basic principles related to plant anatomy, growth and development, soil and growing media, and pest and weed management. The greenhouse will be used as a laboratory for this class.

Natural Resources:

Credits: 0.5 (Semester)

Grade Level: 10, 11, 12

Prerequisite: Intro to Agriculture

Course Description: This course will focus on conservation and preservation of resources, biomes, soil and land management, water and the environment. Students in this course will explore the relationship between humans, agriculture and the use of natural resources.

Natural Resources and Ecology Internship:

Credits: 0.5-1.0 (Semester or Full Year)

Grade Level: 11, 12

Prerequisite: Exploratory Agriculture, Intro to Plant Science, Natural Resources and Ecology

Course Description: Students will work with a government agency (NRCS, FWP, FS, etc.), private entity, or NGO to complete a paid/unpaid internship that would help prepare them to enter into the field of natural resource, wildlife, or forestry management and education. Students will work with the organization to set goals related to an area of interest and complete work or create a project within the organization related to the specific goals they have developed. Each student will work with the AgEd teacher and the organization to establish the goals and duties of the internship.

Foreign Language – Elective Credit

French I

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: French is often thought of as the world's most beautiful language. This class is an interactive learning experience. Students gain a rich foundation of vocabulary, daily conversation, introduction to the culture and history of France as well as other French-speaking countries. In French I, students will be listening to French from day one, will learn by engaging in games, books, videos, music, and storytelling. Upon completion of this course, students will have the ability to carry on basic conversation, read, write, speak, and understand basic French, using the language to hear, read, and talk about interesting topics is our main focus, not grammar.

French II

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11, 12

Prerequisite: C or higher in French I

Course Description: French II builds upon curriculum learned in French I. In this interactive course, students will continue to build their vocabulary, ability to read, write, speak, and understand using the language to hear, read, and talk about interesting topics is our main focus, not grammar. The class will include books, movies, music, interaction with native speakers, and storytelling. By the end of the course, students will write and present their own stories and reports and have increased proficiency in the French language.

French III/IV

Credits: 1.0 (Full year)

Grade Level: 10, 11, 12

Prerequisite: C or higher in French II, Teacher Recommendation

Course Description: This course builds upon curriculum learned in French II. Students will have the opportunity to communicate almost completely in French and gain fluency in reading, writing, understanding, and speaking. Students will learn about career opportunities in francophone nations, will have the opportunity to travel to France and have interaction, throughout the year, with native speakers. Upon completion of this course, students will be able to engage in higher level conversation, reading and writing in French.

Spanish I

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11, 12

Prerequisite: None

Course Description: This course introduces students to the Spanish language and Latin culture. The emphasis is first on learning to understand and speak, then reading and writing. Students will achieve a basic level of fluency and most of their understanding will be in the present tense.

Spanish II

Credits: 1.0 (Full year)

Grade Level: 9, 10, 11, 12

Prerequisite: Spanish I

Course Description: This course continues from basic to intermediate skills in understanding, speaking, reading and writing Spanish language. Students expand their ability to talk about the past. History and culture continue to be interwoven with this language-focused course.

Spanish III

Credits: 1.0 (Full year)

Grade Level: 10, 11, 12

Prerequisite: Spanish II

Course Description: This course continues from intermediate to advanced skills in understanding, speaking, reading and writing Spanish language. Students continue to expand their ability to talk about the past, present and future. History and culture continue to be interwoven with this language-focused course.

AP Spanish Language: Offered every other year opposite AP Spanish Lit.

Credits: 1.0 (Full year)

Grade Level: 11, 12

Prerequisite: Spanish III

Course Description: This course furthers mastery of existing concepts and skills in order to prepare students to successfully pass the AP Spanish exam.

AP Spanish Literature and Culture: Offered every other year opposite AP Lang.

Credits: 1.0 (Full year)

Grade Level: 11, 12

Prerequisite: Spanish III

Course Description: This course furthers mastery of existing concepts and skills in order to prepare students to successfully pass the AP Spanish exam.

Other Languages such as German are offered through Montana Digital Academy (MTDA) online. Please note that registration dates close quickly and you must inform your school counselor ahead of time if you want to register

Driver's Education – Elective Credit

Driver's Education - During regular school hours

Credits: 0.5 (Semester)

Grade Level: 9, 10 (Application Process to determine age, must be 14.5 years old by start of class)

Prerequisite: Completed Application & approval, age-verification.

Course Description: This course follows the OPI Traffic Education curriculum and their outlined requirements. Students will also be required to complete the 6 driving hours, plus observation time, as outlined by OPI. Driving times will occur outside the school day and will occur after school, on weekends, and during school breaks. A mandatory parent meeting will also take place at the beginning of the semester.