

Summary

Students at Jefferson High School are required to have passed the following classes prior to their graduation. These represent state requirements plus additional local requirements. Freshmen and sophomores are required by state law to take physical education. Exemptions may be made upon presentation of a Doctor's certificate.



Jefferson High School

2023-24 Course Catalog

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State Requirements for Graduation

1. Four units of English
2. Two units of Science
3. Two units of Mathematics
4. Three units of Social Studies
5. Two units of Health and Physical Education (2 years, ½ credit per year)
6. One unit of Fine arts
7. One unit of vocational/practical arts
8. Five credits of electives
9. **A total of 20 credits**

Freshmen and sophomores are required by state law to take physical education. Exemptions may be made upon presentation of a Doctor's certificate, explaining the type of ailment, which necessitates being excused. **If a student who is unable to take PE during their freshmen or sophomore years, later becomes able to participate; they will be required to take it at that time.**

Jefferson High School Required Classes

Students at Jefferson High School are required to have passed the following classes prior to their graduation. These represent state requirements plus additional local requirements.

1. English I, English II, English III, English IV
 2. Three credits of mathematics
 3. Three credits of lab sciences
 4. World History, American History and Government
 5. Two years of Health and PE with exemptions as above (1PE, .5 Health, .5 Other)
 6. One half credit of Introduction to Computers
 7. One credit of fine arts (art, crafts, band, chorus, music lab, drama)
 8. One credit of vocational/practical arts (family consumer sciences, business or CTE classes)
 9. ½ Credit of Personal Finance
 10. 3.5 credits of additional electives
- A total of 22 credits for graduation**

Montana University System Requirements

In addition to the requirements for graduation, most students should plan on completing the requirements for entrance into one of the units of the Montana University System. Even those who do not currently plan on attending college should not close the door on that opportunity. Additional information can be found on pages 36 and 37.

1. Four years of English
2. Three years of mathematics including Algebra I, Geometry and Algebra II
3. Three years of Social Studies including World History, American History and Government
4. Two years of laboratory science
5. Two years chosen from the following:
 - a. Foreign language (preferably two years)
 - b. Computer science
 - c. Visual and performing arts
 - d. Vocational education (family consumer sciences, business, shop)

Dual Credit Program

To better serve our students and community, Jefferson High School and the University of Montana College of Technology (Helena) Highhlands College (Butte), UM-Western (Dillon)and Gallitan College (Bozeman) are teaming up to provide the **Dual Credit Program**.

This is an exciting program, which will offer our junior and senior students the opportunity to gain college credits while taking courses at Jefferson High School.

A group of our qualified teachers have been approved by the colleges mentioned above to instruct college courses at the Jefferson High School campus.

The Dual Program will offer approximately college 8 courses. With successful completion of the course and full payment of all fees, the student will gain both high school and college credit. For example, if the student completes **Bio 160**, they will receive 1 high school credit and 3 college credits.

Anticipated Dual Credit Offerings

M 111 Technical Math	3 cr.
M 121 College Algebra	3 cr.
M 151 Precalculus	3 cr.
M 171 Calculus I	3 cr.
Boi 160 Biology/Lab	4 cr.
WRIT 101-College Writing	3 cr.
Child Development	3 cr.
Introduction to Education	3 cr.

The cost is free under the Montana University System 1-2-Free program. Students are allowed to take up to 3 courses per year their junior and senior year.

Book Fees: Student will be responsible for the purchase of all books and supplies for classes being taken for Dual Credit. Jefferson High School will supply the student with all the information for book purchase as well as any other costs that may be applicable for a specific class (Lab Fees). This information will be located on each class's syllabus.

Advantages

1. Expose students to college curriculum
2. Better prepare students for college
3. Tremendous cost savings for student
4. Provide a superb credit start for college
5. Earn transferable credits for other Montana colleges
6. Provide a rigorous curriculum for students
7. Save time

Please contact the counselor or principal for further details.

Scholarships (Local and Area)

Jefferson High School is fortunate to have local and areas scholarship sponsors. Each year a scholarship packet is made available for all interested graduating seniors. Here is the list of current scholarships:

- 1. Boulder Little Guy Wrestling Club Scholarship**
- 2. Boulder Monitor Scholarship**
- 3. Eric Howell Memorial Scholarship**
- 4. Golden Sunlight Mines Inc. Scholarships**
- 5. Janice M. Cooper Memorial Scholarship**
- 6. Mike and Peggy Quinn Agriculture Scholarship**
- 7. William M. Kosola Community Pride Scholarship**
- 8. Masonic (Boulder/Basin Lodge) Scholarship (Juniors Only)**
- 9. Tom Bell Scholarship**
- 10. Dan Pigman outstanding football player scholarship**
- 12. Mike and Peggy Quinn Theatre Scholarship**
- 13. Mike and Peggy Quinn Art Scholarship**
- 14. Nelson and Eve Seeley Scholarship**

BUSINESS/COMPUTERS

Introduction to Computers

Accounting 1

Accounting 2

Computer Keyboarding

Introduction to Business

Personal Finance

Montana Digital Academy

Montana Digital Academy-Direct

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Computer Applications	9-12	Semester	.5	None

Introduction to Computers is designed to teach basic technology skills required in high school, college and the business world. Specific training in Microsoft Office, Open Office and Google Applications is provided. Additionally, students learn basic software and hardware identification, Internet history, usage and safety. Students are exposed to Macintosh Computing, as well. The focus of this course is to provide a toolbox of technology based tools to assist them in computer usage, and research and efficient assignment completion. College and career planning is emphasized through online portfolios and the Montana Career Information System. **Students with little or no keyboarding skills may be required to repeat this course, without penalty of failure, to adequately master necessary skills.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Accounting 1	9-12	Semester	.5	None

Accounting 1: Students learn the fundamentals of accounting to computer based accounting.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Accounting 2	10-12	Semester	.5	Accounting 1

Accounting 2: Students develop more deeply into payroll accounting, accounting for plan assets and depreciation, inventory, notes and interest, accruals, dividend distribution and open and closing various business organizations. This course is all computer based using Quick Books.

PREREQUISITE ACCOUNTING 1

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Computer Keyboarding	9	Semester	.5	None

This course is designed to develop certifiable skills in the Microsoft Office. Specific focus on MS Word and enhances keyboarding skills. **THIS COURSE IS REQUIRED FOR GRADUATION.**

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Introduction to Business	9-12	Semester	.5	None

The course introduces the nature of business and the trends that change the way business is conducted. Topics covered include the business environment, provides an overview of the business environment, entrepreneurship and business management and includes legal organization, marketing, human resources, financial management and globalization.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Personal Finance	11-12	Semester	.5	Algebra 1

This course focuses on real life financial responsibilities such as: College financing, Banking, Savings, Credit, Automobile ownership, Insurance, Investing, Taxes, Home ownership, Smart shopping and Income maximization. **THIS COURSE IS REQUIRED FOR GRADUATION.**

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Montana Digital Academy	10-12	Sem/Year	.5-1	None

The Montana Digital Academy provides students the opportunity to take classes not offered at Jefferson or to complete requirements necessary for early graduation (semester 2 of Government and Semester of Senior English. Courses include: Contemporary Math, Pre-Calculus, AP Calculus, AP English Language and Composition, AP Literature and Composition; Environment Science, AP Biology, AP Physics, Oceanography; Global Studies, AP U.S. History, Current Issues in Government, A.P. US Government and Politics, Native American Studies, World Languages, and Game Design for complete listings go to www.Montanadigitalacademy.org. Students interested in taking Montana Digital Academy Courses must complete an online learner assessment to ensure success in this online environment. Please refer to the MTDA website for a list of courses and their start dates.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Montana Digital Academy-Plato	10-12	Sem/Year	.5-1	None

The Montana Digital Academy provides students the opportunity to recover credits for classes previously failed. All JHS core classes are offered through this online program. Students interested in credit recovery or in course acceleration for early graduation, must complete an online learner assessment to ensure success in this online learning environment and have filed for early graduation.

Montana Digital Academy Guidelines

Enrollment:

1. Students may take courses that are not offered at Jefferson, through the Montana Digital Academy, an online educational program through the University of Montana. Exceptions must be approved by the superintendent.

2. Students, who have failed a course offered at Jefferson, may enroll in a credit recovery course through MTDA Direct.
3. Students must successfully pass an online readiness assessment to enroll.

Course Participation:

1. Students enrolled in an online course are expected to work on the course, during the assigned class period. This means that students must have submitted an acceptable use form and remain eligible for a network log in.
2. Students have two weeks to withdraw from a course that seems to be beyond their ability or interest level. Those students will be assigned to a regular class and will be required to complete coursework missed while enrolled in MTDA.
3. Students who fail to maintain at least a “C” average in the course will be removed from the course and will not be admitted into future MTDA courses without administrator approval.

English

English I

English II

English III

Senior English

College Writing 101

Journalism

American Outdoor Literacy

During their senior year students with higher English skills should consider dual credit courses or

other electives.

We have partnered with the Helena College of the University of Montana to offer dual credit courses where the students can earn both high school and college credits at a very reasonable cost. We are also considering online courses through other Montana post-secondary institutions. These courses are highlighted in black.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
English I	9	Year	1	None

English I, Freshman English, covers grammar, composition, vocabulary development and literature. In grammar, strong emphasis is placed on the parts of speech, usage and structure of the sentence and paragraph. Literature covers the elements of poetry, fiction, non-fiction and drama. Two basic speeches are given. Writing assignments include descriptive essays, interpretive essays, poetry and a play. The editing process will be employed throughout. It is a required freshman level course.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
English II	10	Year	1	English I

The purpose of this course is to prepare the student in functional application of verbal and written skills and to permit the student to communicate an understanding of literature. Speech, research and extensive writing and vocabulary study build upon Freshman English skills. It is a required sophomore level course.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
English III	11	Year	1	Eng. I & II

English III is traditional Junior English. The course will focus exclusively on American literature beginning in 1607 through current authors. Students will read selections from all genres of literature, study authors and themes, terms, techniques, vocabulary and include extensive writing opportunities.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Senior English	12	Year	1.0	Eng. I, II & III

Senior English is a course designed to provide students with a broad spectrum of English skills as well as prepare them for future endeavors. The course will review grammar, composition, literature, vocabulary development and research. This course offers extensive opportunities to explore writing, speaking and discussion skills.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Dual Credit Sen Eng 12 Writ 101-1		Year	1.0	Eng. I, II & III Pass COMPASS Test

This Dual Credit English course meets the high school requirements for Senior English AND the requirements to receive 3 university credits at a deeply discounted rate from Helena College University of Montana. This course is designed to give students experience with the written expression of ideas in expository form. The course emphasizes the development of ideas, use of research, awareness of audience, structure and clarity. Students will employ a variety of writing genres with a clearly defined purpose for their writing in mind.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
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Journalism **11-12** **Year** **1** **English I & II
Articulated**

The purpose of journalism is to provide a written production, which allows the student to develop skills in writing news, features, editorials and all aspects of writing. The student publication, The Panther Press, is a public forum reflecting the social and educational concerns of the students and community.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Outdoors Literacy	9-12	Year	1	None

This is an elective course. It will cover reading pieces that tie to the outdoors – specifically having to do with hunting, fishing, camping, and hiking. The premise is to tie texts to enjoying the outdoor opportunities we have in our area. Students will have opportunities to experience many of the experiences they read about in this class.

Family and Consumer Sciences

Introduction to Family and Consumer Sciences

Early Childhood Education

Introduction to Education with Experience

Culinary Arts I

Culinary Arts II

Culinary Arts III

The goal of the Family and Consumer Science Department is to develop critical thinking skills, problem solving skills, practical math and science skills and careers paths for young adults in the context of the home, family, and community.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Intro to Family & Consumer Science	9-12	Sem	.5	None

Introduction to FCS is designed to introduce students to the field of family and consumer sciences. Course of study will include: foods and nutrition, textiles and clothing, consumer skills, finance, child development, parenting, goal setting, career choices and elements of design.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Early Childhood Development	11-12	Year	1	None

The study of early childhood education is designed to help students gain a better understanding of children. Students will study the behavior of children through observation during play and interaction with their parents and caregivers. Students will learn about the human life cycle from pregnancy through the preschool years. During class we will explore career opportunities in the field of early childhood and explore the factors in a child's life that are necessary for healthy intellectual, physical, social, moral, and emotional growth. Students will study developmental theorists and explore areas of child development. Dual Credit through the University of Montana Western

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Introduction to Education w/Experience	9-12	Year	1	None

Workplace Experience courses provide students with work experience in fields related to education. Goals are typically set cooperatively by the student and teacher. These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. They will also gain peer mentoring experience.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Community Service	9-12	Semester	.5	None

Community Service course provide students with the opportunity to volunteer their time, energy, and talents to serve a community project or organization using Family, Career, Community Leaders of America (FCCLA) values. In this course students will conduct a seminar project, so that students get to use their volunteer experiences to learn how to solve problems, make decisions, and communicate effectively.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Culinary Arts I	9-12	Sem.	.5	None

\$20 Fee

Culinary Arts I is designed as a career path class for students considering a career in the culinary arts. The class includes: sanitation and safety, ServSafe, nutrition, culinary math, food service and production, baking techniques, menu planning, and career choices in the food service industry. Students will be part of cooking labs weekly where they will prepare quick breads, yeast breads, fruits, vegetables, eggs, pastries, cookies, cakes, appetizers, and nutritious snacks are also included during lab days. Baking is the main focus of this class.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Culinary Arts II	9-12	Sem.	.5	Culinary I

\$20.00 Fee

Culinary Arts II, one class period, is designed as a career path class for students considering a career in the culinary industry, following completion of Culinary Arts I. This class gives students hands on experience in daily labs and expands their experience with food production for service to others. Large scale mixing and baking will present students with the opportunity to develop workplace skills and explore possible careers in the food industry. Students will be part of cooking labs weekly where they will prepare beef, poultry, pasta, and grains.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Culinary Arts III \$20.00 Fee	10-12	Sem.	.5	Culinary Arts I & II

Students will study global cuisine and create different dishes from around the world.

FINE ARTS

Drawing/Painting

Ceramics

Sculpture

Intro to Art

Photography

Independent Art

Band

Chorus

Select Choir

Music Tech

Guitar

Percussion/Drum Line

Film

Beginning Drama

Advanced Drama

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
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Drawing/ Painting	10-12	Sem.	.5	Intro to Art
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\$25 sem.

Students will be required to think creatively and express themselves visually along with appreciating a broad range of art. They will learn basic drawing skills needed to enhance their work. Pencils, pen and ink, charcoal, pastels, colored pencils and different mixed media will be used. Principles of design, composition and color will enable students to confidently be able to visually put down their creative and personal expression. Specific skills will be taught and various subjects explored

There will be time during the semester for students to improve their individual drawing and painting skills in the areas and mediums that interest them.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITE(S)
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Pottery	10-12	Sem.	.5	Intro to Art
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\$25 fee

Ceramics will explore art appreciation, aesthetics and the skills needed to hand build clay pottery. Students will learn the art of throwing pots. Various surface glazing and decorating will be taught. Students will use their creative thinking skills to make pottery unique to them.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
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Sculpture	11-12	Sem.	.5	Intro to Art
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\$25.00 Fee

Sculpture will explore expressing oneself in a carved three-dimensional form. Students will learn the skills to sculpt using several different kinds of mediums. We will explore the techniques to make sculptures with clay, wire, plastic, and discarded items.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Intro to Art	9	Quarter	.25	None

Intro to Art gives the student the opportunity to explore as many mediums and styles as possible. Artists, styles and art eras are studied. Basic drawing, painting, sculpture, and ceramic skills are taught. Intro to Art focuses on a wide variety of mini units in hope that this introduction to different mediums will entice students to participate in the more in-depth specialized art classes offered.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
DIGITAL PHOTOGRAPHY	11-12	Sem.	.5	None \$50 Fee ea. Sem.

Basic digital photography techniques will be given. Students will have “on-location instruction” and learn basic photoshop techniques. Tests will be given to assess the student’s progress. The semester test will consist of a final photo portfolio.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Independent Art	11-12	Sem.	.5	1 credit of art

This course is for the serious self-motivated art student who wants to expand on courses already taken. These students get priority into any art class as there are no advanced art classes. Advanced art projects will be agreed upon by the student and instructor. The semester test will consist of a project.

The prerequisites for Independent Art are that the student must have 1 other art class (not including Intro to Art) and received a grade of “80” or higher.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Band	9-12	Year	1	See Below

Band is a performance-oriented class. Class time is devoted to full band and sectional rehearsal in a variety of musical styles. Concert band rehearses the best possible contemporary band literature. All band students participate in these rehearsals. The Pep Band rehearses as needed to prepare for ball games. Performances include (but are not limited to) four concerts and the District IV music festival in the spring.

The prerequisites are two years of band or instructor recommendation.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Chorus	9-12	Year	1	None

Chorus is a performance-oriented class and is devoted to full ensemble and sectional rehearsals of the best possible vocal music available. A variety of styles of music is presented in order to enrich the student's awareness of music. Performances include (but are not limited to) four concerts and the District IV music festival in the spring. Student must have strong desire to sing and contribute to a quality group.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Select Choir	9-12	Sem	.5	Audition`

Students with good singing ability and a strong interest may wish to sign up for select Choir. Auditions will be held during the first week of class. A variety of music styles will be performed with participation in the same performances as the chorus and also participation in community events when requested.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Music Tech	11-12	Sem.	.5	Teacher Recommendation

This course introduces the student to music related technology, production and mixing software as well as music composition. Students will have the opportunity to produce recordings, video productions as well as work with the drama students.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Guitar	9-12	Sem	.5	None

Students need not have prior knowledge of playing the guitar to take the class. Students will learn the basics of playing the acoustic guitar, care, and tuning. Acoustic guitars will only be used for the class. **Class limit 14.**

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Persussion/ Drum Line	9-12	Year	1	None

Students need not have any prior knowledge of percussion to take the class, although it would be preferred. Students will learn the basics of all percussion instruments from the very start. The class will progress at the rate of the students involved. Basic rhythms, sticking patterns, and some basic music theory will be taught for all aspects of stick and mallet percussion performance. School will furnish drum pads and method book instruction will be used. Evaluation for the class will be based on an individual proficiency score of the instrument.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Film		Year	1	None

This course involves film history, screenwriting, story-boarding, cinematography, acting for film, editing as well as semester project decided by the student and instructor. Projects will involve PSA's, highlight videos and film as an art.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Beginning Drama	9-12	Sem.	.5	None

This course covers all aspects of drama from theater history to acting and producing the school play. Students will read various types of plays and study major playwrights. They will learn all areas of stage production including both on stage and backstage work and will produce and perform a play. All students will be required to participate in all rehearsals and performances of a play.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Advanced Drama	10-12	Year	1	Beginning Drama or with instructor approval

Building upon the skills of Intermediate Drama and Drama, the students will refine acting skills through vocal and movement exercises. They will also study acting theory, dialects, set design and construction and costume and lighting design. Students will stage 3 productions during the school year. Selection of 25 students will be made by the instructor based on ability and interest shown in beginning or Intermediate Drama with an attempt to balance the classes by age and gender. This course can be taken more than one time.

FOREIGN LANGUAGE

Spanish I

Spanish II

Spanish 101 (Dual Credit) Year

Montana Colleges and Universities do not require a foreign language. If students are considering colleges out of Montana, they should check

requirements for that particular institution.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Spanish 101A	11-12	Year	Dual	Spanish 1
			1 (JHS) 4 (HCOT)	

Spanish 101A is a four-skills college level introduction to Spanish designed to prepare the student for basic communication in the language. The course presents the fundamental grammatical structures holistically through listening, speaking, reading and writing. A variety of different scenarios are presented to the student. Cultural information is included.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Spanish I	9-12	Year	1	

In this course students will learn the basic oral, written and grammatical structure of Spanish. It provides an integrated approach to learning language skills with an emphasis on vocabulary acquisition. The present and preterite verb tenses will be taught. The students will be introduced to a variety of Spanish cultural traditions.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Spanish II	10-12	Year	1	Spanish I

This course is an extension of Spanish I. Students will increase their knowledge of basic oral, written and grammatical structure of Spanish. Verb tenses such as preterite, imperfect, command, subjunctive, future, present perfect and conditional will be taught. Cultural aspects of Central and South American countries will be introduced to the class. Students will have the opportunity to polish their speaking skills in impromptu skits in front of the class. Students may take the Spanish 101A course (at no cost) for this Spanish II high school credit.

HEALTH AND PHYSICAL EDUCATION

9th/10th

COURSE: Health Enhancement

LENGTH: 1 YEAR

CREDITS:1

Physical Education class combines the disciplines of “health education” and “Physical education” into a curriculum that focuses on wellness throughout the lifespan. Concepts learned in the classroom are reinforced in the gymnasium and vice versa. Fitness is essential to well being and leads directly to improved quality of life. Health enhancement develops skills and behaviors necessary for students to become healthy, productive citizens who take personal responsibility for their own well being. Health Enhancement is a critical component of the educational process.

Activities will be focused less on team sports and more on lifetime sports. Examples include but are not limited to: Dance (social/ creative movement/ ethnic/ folk), fitness activities (yoga/ Pilates/ resistance

training/ cross training/ flexibility), outdoor pursuits (geocaching/ orienteering/ adventure activities/ fishing), individual performance activities (bowling, tennis, golf) etc.

COURSE: Health

LENGTH: ½ YEAR

CREDITS: .5

Health class combines multiple disciplines of health into a curriculum that focuses on health-related outcomes. Health is essential to well-being and leads directly to improved learning. Health enhancement develops skills and behaviors necessary for students to become healthy, productive citizens who take personal responsibility for their own health and well-being and a social responsibility for their community's health. Early initiation of healthy behaviors predicts enhanced school performance and less risk for morbidity and premature mortality in adulthood. Health Enhancement is a critical component of the educational process .

Example units include but are not limited to: Mental Health (coping skills, healthy relationships, suicide prevention, mental health challenges, and finding resources), Growth and Development/ Reproductive Health (relationships, puberty, development throughout the lifespan, contraception, pregnancy, STI's etc.), Drugs and Alcohol (laws and legal repercussions, effects on health, classifications, use and abuse), Nutrition (eating disorders, making healthy choices, MyPlate, fad diets), and social media (online safety, digital footprint, cyber-bullying).

Strength and Conditioning

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITE
STRENGTH AND CONDITIONING	9-12 Sem. or Year	.5 or 1	Teacher Recomm.	

This course is designed to provide students an opportunity to acquire knowledge dealing with the essential training methods for strength training, speed development, agility, and flexibility. Strength training will emphasize the proper techniques utilized in both lifting and spotting, while providing students ideas to increase their own physical performance. This is going to be a very challenging course. The students will be required participate in the following activities:

Cardiovascular training, P90X, weight training, and the exercises associated with Cross Fit training. A grade lower than an A- for any semester of Strength and Conditioning will result in a one-semester suspension from the class. Class limit of 12.

INDUSTRIAL TECHNOLOGY EDUCATION

Introduction to Drafting and CAD

Architectural Drawing and Design

Architectural Drafting

Woods Technology I

Woods Technology II

Construction Technology

Small Engine Technology

Welding Technology I

Welding Technology 2

Welding Technology 3

Welding Technology 4

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
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Introduction to Drafting and CAD.	9th grade	quarter course.	Pre-Req: NONE	
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This class is an introduction to technical drafting. Course study includes: sketching, lettering, line-use in drafting, careers in drafting and design, Board Drafting techniques, and CAD (computer aided drafting). The curriculum for this class is based on industry and ANSI standards. All materials needed for this class are supplied by the school.

COURSE TITLE LEVEL LENGTH CREDIT PREREQUISITES

Architectural Drawing and Design 10-12 grade. Semester. Pre-Req: Introduction to Drafting and CAD.

This class is an introduction to drawing and design in the field of Architecture. Students will learn architectural and interior design fundamentals, sketching and drawing techniques in architecture, work with sketching apps on IPADs, and review basic CAD drawing techniques. All materials needed for this class are supplied by the school. There is a \$10.00 lab fee.

COURSE TITLE LEVEL LENGTH CREDIT PREREQUISITES
Architectural Drafting 10-12 grade. Semester. Pre-Req: Architectural drawing and design AND Introduction to Drafting and CAD.

This class is an introduction to Architectural drafting. The students will learn to do lettering, dimensioning, and all major aspects of Architectural Design/Drafting. Chief Architect CAD software is used by students to create floor plans, elevations, and Beautiful 3D Renderings of their designs. The curriculum for this class is based on industry and ANSI standards. All materials needed for this class are supplied by the school.

COURSE TITLE LEVEL LENGTH CREDIT PREREQUISITES
Woods 9-12 Sem. or Year .5 or 1 None

Technology I

Students will learn how to use hand tools, and will build one small hand tool project. Students will learn the safe operation of power tools and build projects such as bird feeders and checker boards. \$50.00 fee plus all wood for personal projects will be paid for by the student.

COURSE TITLE LEVEL LENGTH CREDIT PREREQUISITES
Woods 10-12 Sem. or Year .5 or 1 Woods Tech I

Technology II

Students will review safe operation of power tools and all shop power tools, and build at least one small wood project using power tools. Once small projects are completed, the class will begin cabinet or furniture making projects. \$50.00 fee plus all wood for personal projects will be paid for by the student.

COURSE TITLE LEVEL LENGTH CREDIT PREREQUISITES
Construction 10-12 Year 1 Woods Tech I

Technology

Students will learn the safe operation and basic use of all construction tools. Students will learn basic framing, sheeting, cement work, electrical, plumbing, tiling, and roofing. Students will also learn how to layout projects and run a tape measure. The students will build storage sheds and other miscellaneous construction projects. \$50.00 fee.

COURSE TITLE LEVEL LENGTH CREDIT PREREQUISITES
Small Engine 9-12 Year 1 NONE

Technology

Students will learn the fundamentals of the gas engine. Theory of the operation of the internal combustion engine will be taught and experience will be given using school supplied engines or students may bring their own to class. This course involves teaching a curriculum that begins with contacting a customer to secure an engine to rebuild, and includes all the steps to

rebuild an engine to industry and customer standards. Class size will be limited to 12. **Students will be required to pay a \$5 lab fee and purchase a \$50.00 shop card.**

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Welding 1 and CAD.	10-12	Semester	Pre-Req: Introduction to Drafting	

Welding shop safety, tools, and fundamentals of gas metal arc welding will be taught. The course will emphasize knowledge of metals as well as practical skills in metal construction. Class size will be limited to 12. **Students will be required to pay a \$25 lab fee**

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Welding 2	10-12	Semester	Pre -Req: Introduction to Drafting and CAD, Welding 1.	

This is the second semester course that builds on fundamentals learned in Welding 1. New methods include SMAW (shielded metal arc welding AKA stick welding), OAW (Oxy Acetylene Cutting), and PAC (Plasma Arc Cutting) will be covered. This class will require practice building metals projects as well as more metallurgy. **Students will be required to purchase a \$50.00 shop card for their student projects including knifemaking.** Class size will be limited to 12.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Welding 3	11-12	Semester DUAL CREDIT	Pre-Req. Introduction to Drafting and CAD,	Welding 1,2

Advanced SMAW, GTAW (Gas Tunsten Arc Welding AKA tig welding), and Cutting Processes are the fundamentals of Welding 3. Students learn advanced welding techniques, GTAW fundamentals, and advanced cutting processes. This course is available for dual credit through U of M – Helena College. **Students will be required to pay a \$25 lab fee**

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Welding 4	11-12	Semester DUAL CREDIT	Pre-Req. Introduction to Drafting and CAD, Welding 1,2,3	

This course is designed to prepare students for a career or post secondary education in Welding. Welding Certification, Welding fabrication, and Career readiness are emphasized in the course. Understanding and experiences in the areas of planning, management, finances, technical and production skills, labor and community issues, safety, and environment issues as related to industry are included in this course. This course is available for dual credit through U of M – Helena College.

Students will be required to pay a \$50 shop card fee to cover materials for student projects.

COMPUTER PROGRAMMING (CURRENTLY NOT OFFERED)

Introduction to Coding

AFE Computer Programming

CSCI 107 Joy and Beauty of Computing (DC - Highlands)

CSCI 127 Joy and Beauty of Data (DC – Gallatin)

Note that all Computer Programming Courses are offered in an environment where students are required to self-direct their learning since several course options are offered in one classroom. Computer Programming is best learned by doing and the individual courses are structured for such learning. Intro to Coding has some direct instruction but is primary self-paced. The 2 AFE/Edhesive courses are self-directed with online instruction. The 2 Dual Credit Courses are offered in Fall (JBC) or Spring (JBD) respectively for 11/12 grade only and have some direct instruction and group activities. The AFE Intro to CS is for 10th graders only. The AFE Java course is for 12th grade only for students who have already taken a Python course (JBC or JBD) and are interested in the Java language.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Introduction to Coding	9	Quarter	1/4	None

This 9 week course is an exploration of different options of learning computer programming. Students work through four modules: Computer Science Fundamentals Express, Mobile Apps, Intro to Python, and Robotics.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
CSCI 107 Joy and	11-12	Semester	1/2	None

Beauty of Computing				
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This semester course provides a gentle introduction to computational thinking using the Python programming language. It is offered for Dual Credit through Highlands College (3 cr).

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
CSCI 127 Joy and Beauty of Data	11-12	Semester	1/2	CSCI 107 and M151(corequisite) or teacher recommendation

This semester course provides a gentle introduction to the exciting world of big data and data science. Students expand their ability to solve problems with Python by learning to deploy lists, files, dictionaries and object-oriented programming. Data science libraries are introduced that enable data to be manipulated and displayed. To succeed in this course, previous programming experience or CSCI 107 is recommended. Offered for Dual Credit through Gallatin College (4 cr).

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
AfE Computer Programming	10-12	Semester or Year	1/2 or 1	See Descriptions

Options available through the Amazon Future Engineer Partnership with Edhesive include:

Intro to Computer Science: An interactive introductory course for students new to programming that teaches the foundations of computer science using the Python language. This semester or year-long course will teach students how to think computationally and solve complex problems, skills that are important for every student. Language: Python, Prerequisites: No prior CS experience required. Algebra I preferred

AP Computer Science A: AP Computer Science A is a programming class in Java, a popular in-demand programming language. Java is used to build server-side applications, games, and financial applications, and is the core foundation for developing Android apps. Students will be introduced to topics that include problem-solving, design strategies and methodologies, organization of data (data structure), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. Language: Java, Prerequisites: JBC or JBD, Algebra II preferred

Mathematics

Corrective Math

Pre-Algebra

Algebra 1

Geometry

Algebra 2

Trigonometry

Advanced Math

Advanced Algebra and Trigonometry

Probability and Statistics

General Applied Proficiency (GAP) Math

M 111 Technical Math (DC – Helena College)

M 121 College Algebra (DC – Helena College)

***M 151 Precalculus/ *M 171 Calculus (DC – Helena College)**

*Offered together Fall/Spring respectively

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Corrective Math	9-10	Semester or Year	½ or 1	*Teacher Placement only Corequisite Pre-Algebra

This course including the following topics intended to both fill gaps in previous learning and to prepare students for success in Pre-Algebra: Addition, Subtraction, Multiplication, Division, Basic Fractions, Fractions/Decimals/Percents, and Rates and Equations. Students will take a placement test in Pre-Algebra Course and may be placed in Corrective Math concurrently.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Pre-Algebra	9-10	Year	1	None

This course including the following topics intended to both fill gaps in previous learning and to prepare students for success in Algebra: Short Division, Decimal Rounding, Decimal Operations, Fraction Operations, Fraction/Decimal/Percent Equivalences, Geometry, Rate Equations, Fraction Simplification, Algebra, Algebra Translation, Coordinate System, Signed-Number Operations, Decimal Division, Exponents, Simultaneous Equations, Probability, Scientific Notation, Proportion, Box and Whiskers. Students will take a placement test for course readiness and may be placed in Corrective Math concurrently.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Algebra 1	9-12	Year	1	None

Algebra 1 is the study of the real number system, mathematical patterning and linear functions. Students learn to recognize linear functions represented by verbal descriptions, equations, tables, and graphs. Students use technology and problem solving to apply Algebra concepts to real-world situations. Other topics include solving linear inequalities and systems applying laws of exponents, solving quadratics in one variable, representing quadratic functions, and simplifying and factoring polynomials. Students should plan on a daily homework assignment of ½ to 1 hour per night.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Geometry	9-12	Year	1	Algebra 1

Geometry is the study of coordinates, transformations, congruence, similarity, polygons, and plane relationships between point and lines. Methods of measuring length, area, and volume and angle size are discussed as well as learning a system of logic which allows students to make conclusions from given information. Basic trigonometric ratios, construction and transformation are also included in this course. Students should plan on ½ to 1 hour of homework each night.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Algebra 2	10-12	Year	1	Algebra 1, Geometry

Algebra 2 reviews and expands upon topics studied in Algebra 1 and introduces the student to more advanced Algebra. Topics of study include real and complex number systems, quadratic, rational, exponential and logarithmic functions, direct and inverse variation, matrices, polynomials, and trigonometric relationships. Students will use technology and solve problems related to real world situations. Students should plan on ½ to 1 hour of homework each night.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Advanced Algebra and Trigonometry	11-12	Year	1	Algebra 2

Students must pass Algebra 2 with a year-long average of C+ or better to be eligible to take Advanced Algebra and Trigonometry. This course will be beneficial for any student who plans on a vocation in the area using science and mathematics. Advanced algebra topics include linear functions, systems of equations and inequalities, graphing and analyzing functions, parametric and polar equations, conic sections, exponential and logarithmic functions, and sequences and series. Trigonometry topics include solving and graphing trigonometric functions, circular functions, solving oblique triangles, vectors in the plane, and complex numbers. Graphing calculators will be heavily used.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Probability and Statistics	11-12	Year	1	Algebra 2

This course is recommended for students who are planning to attend college to major in non-STEM programs. The pre-requisite for Probability and Statistics is passing Algebra 2 with a C+ average or instructor approval. Topics covered include data collection and analysis, experimental design, descriptive statistics, probability, discrete probability distributions, normal probability distributions, confidence intervals, hypothesis testing, correlation and regression, and chi-square tests. Graphing calculators are used extensively. Some assessments will be project based.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
General Applied Proficiency (GAP) Math	11-12	Semester	1/2	Pre-Algebra

This course reinforces general mathematics skills and extends these skills to include some pre-algebra and algebra topics. It is self-paced and online with instruction provided by videos and in class teacher support for individualized instruction as needed. The following units are included: Whole numbers, Fractions and Mixed Numbers, Decimals and Percent, Ratios/Rates/Proportions/Measurement, and Signed Numbers. This course relies heavily on real world applications of mathematical concepts.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Forensics Math	11-12	Semester	1/2	Algebra 2

Students must pass Algebra 2 to be eligible to take Forensics Math. Forensic Math is the application of mathematical concepts in the field of forensic science. It will use the principles and methods of mathematics such as trigonometry, probability, statistics, and graphical representation. This course will be project based and will rely heavily on real world application.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
M 111 Technical Math	11-12	Semester	1/2	GAP Math (without Algebra C- and Geometry C-)

This course includes fractions, decimals, ratios, proportions, formulas and word problems. Topics studied are metric and standard American measurement systems, linear equations, developing applied skills in practical geometry, solid figures, and basic trigonometry. This course relies heavily on real world applications of mathematical concepts. This course is offered for Dual Credit through Helena College (3 cr.) in Spring Semester only.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
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M 121 College Algebra	12	Semester	1/2	Seniors only. Alg. 2 or Adv Algebra/ Trig with ACT Math >= 22 or Accuplacer Test
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This course is the study of polynomial, rational, radical, exponential, and logarithmic equations, inequalities, functions, and related graphs; circular equations and graphs; and systems of linear and non-linear equations and inequalities. This course is offered for Dual Credit through Helena College in the Fall Semester only.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
M 151 Precalculus	12	Semester	1/2	Alg. 2 or Adv Algebra/ Trig with ACT Math >= 24 or Accuplacer Test

This course is primarily for students who intend to take Calculus. It is offered in the **FALL SEMESTER ONLY** followed by Calculus in the Spring. Topics include problem solving with two and three dimensional geometry, rational functions, exponential functions, logarithmic functions, trigonometric functions, law of sines, law of cosines, trigonometric identities and equations, vectors and polar coordinates, extended use of magnitude, circles, ellipses, hyperbolas, and sequences and series. This course is offered for Dual Credit through Helena College. Due to the rigor and pace of the course it is restricted to only students who qualify for Dual Credit.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
M 171 Calculus 1	12	Semester	1/2	M 151 Precalculus with C- or better or Adv Algebra Trig with ACT Math >=27 Accuplacer Test

The subject of this course is single variable calculus. Topics include functions, limits and continuity, differentiation, applications of the derivative, curve sketching, and integration theory. This course is offered in the **SPRING SEMESTER ONLY** for Dual Credit through Helena College. Students must register for both M 151 FALL SEMESTER and M 171 SPRING SEMESTER. Due to the rigor and pace of the course, it is restricted to only students who qualify for Dual Credit.

SCIENCE

Physical Science

Biology

Chemistry

Chemistry II

Ecology

Physics

Human Anatomy and Physiology

BIOB 160 (Dual Credit)

Science Exploratory

Astronomy

Geology

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Physical Science with Earth Science	9	Year	1	None

This course is designed to provide a broad overview of physical science topics. Areas of instructional emphasis will be basic chemistry and physics, geology, astronomy, and some environmental science. Basic lab skills, scientific writing skills, and lab safety will be stressed. **All 9th grades are required to take this course.**

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Biology	9-10	Year	1	Physical Science and Recommendation from Jr. High Instructor for freshmen

Biology I is designed as an introductory course for the life sciences. With this in mind, the course is built upon the following: (1) Requirement for energy to maintain the organization of living systems; (2) Ability of organisms to reproduce; (3) Evolution and relationships among organisms; (4) Homeostasis and self regulation; (5) Taxonomy and the characteristics of major phyla; and (6) Interaction of organisms and their living and non-living environment. It also enhances the student's ability to gather, organize, and present data via written reports and laboratory experiments. **This is a required class for sophomores.**

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Chemistry	10-12	Year	1	Algebra, Physical Sci and Biology with grades of C or better unless instructor waives the grade requirement

Chemistry is a study of matter, its structure, and the reactions matter undergoes. Topics covered in depth are atomic theory, chemical formulas and equations, bonding, types of chemical reactions, the mole, gas laws, the periodic table, and laboratory skills and safety. Knowledge of chemistry is required in a wide variety of fields and is essential for professions in all fields of science. This course is a prerequisite for Advanced Biology and Chem II, and Physics (unless instructor waives the requirement for Physics)

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Chemistry II	11-12	Year	1.5	B- or better in Chemistry

Chem II is a rigorous continuation of chemistry. Topics covered will be energy and chemical changes, reaction rates, chemical equilibrium, redox reactions, electrochemistry, acids and bases, environmental chemistry and an introduction to organic chemistry. Emphasis will be placed on lab skills and real-world applications of theory. This course is not offered for dual credit. Class offering will be dependent upon enrollment. This course will be beneficial to anyone pursuing a scientific field in college, including medical fields.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Ecology	10-12	Year	1	Biology

Ecology is a branch of biology that focuses on the interaction of organisms with their living and non-living environment. Emphasis is placed on the study of local ecosystems and includes such topics as fire reclamation, stream quality, birds of prey, and noxious weeds. Lab activities and field experiences are a crucial part of the curriculum and greatly enhance the learning process. Ecology should be a priority for potential biology majors, environmental engineers, foresters, and Advanced biology students.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Physics	11-12	Year	1	Chemistry, Alg II or Geometry, and Biology with B or better

Physics is a study matter, energy and their relationship. This course will emphasize both the understanding of concepts and problems solving skills related to the study of physics. Topics covered will be mechanics, energy, waves, electricity, and magnetism, light and optics as time allows. Lab activities are an important part of this course. Class offering will be dependent upon enrollment. This is a Standards Based Course and will be graded accordingly.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
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Human Anatomy 11-12 Year 1 Biology (B or better)

This course will take an in depth look at the features and functioning of the human body. Topics will include medical terminology, gross anatomy, biomechanics, exercise physiology, therapeutic modalities and body systems analysis.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
BIOB160 <i>Principles of Living Systems w/lab (BIOB161)</i>	11-12	Sem.	Dual 1 (JHS)	Chemistry & Biology 4 (HCOT)

This is a dual credit course designed to provide competence at first year college biology. Upon successful completion of this course, students will be awarded 4 college semester credits by the Helena College of Technology. The course will be taught in compliance with HCOT standards. ***Please note:*** this course requires more time and commitment than other science courses. The following is a description of the course content as adopted from the Helena College of Technology catalog:

This first course in the biology sequence is an introduction to the basic concepts and principles of general biology with an emphasis on lab experiences, critical thinking, problem solving, and the scientific method. Areas of study include organic chemistry and biochemistry, cellular biology, cell growth, genetics and genetic engineering, reproduction, cell metabolism, ecology, evolution theory, and classification systems in biology.

Students are required to purchase their own text and pay a reduced tuition fee.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Science Exploratory	10-12	Year	1	Physical Science & Biology

Students will be active participants in researching and learning about current topics in science and technology along with the ethics, history, and philosophy of science. Information sources for this course will be web sites, video, and current periodicals/scientific journals. Students will be required to compose and deliver class presentations, participate in structured debates, and be able to express their educated opinions in various forms. Specifically, students will use the scientific method to design, conduct, and report scientific investigations of their choosing or under the direction of the teacher. Students may also be required to compete in the state Science Olympiad competition as well as in class competitions that may require all or any of the following: research, construction, problem solving, and general knowledge. Furthermore, students will also be involved in the maintenance and improvement of Jefferson High School's outdoor classroom and Native Plant Landscape which involves creating partnerships with local businesses and tradesman such as nurseries, carpenters, etc. Both facilities provide educational opportunities for all students as well as service-learning events for the local elementary and middle schools. Science Exploratory students design science lessons to be taught in the lab or the outdoor facilities to younger students.

***Please note – Not offered every year. Class offering will be dependent upon enrollment.**

ASTRONOMY (SEM) Prerequisite:9th grade physical Science. Astronomy students will study the wonders of the solar system and universe. Topics will include tools of astronomy, latest solar system discoveries, exoplanets, star evolution, galaxy types, cosmology etc. Students will learn to use computer software for acquiring telescope images and spectra for solar and stellar research projects. A research project will be required as part of the course.

Students may be required to participate in some evening telescope viewing and data collecting sessions.

This will be a Standards Based grading course

GEOLOGY SC350 0.5 (SEM) Prerequisite: 9th grade physical Science. This semester long course will be an in-depth study of our physical planet. It will focus on inquiry and hands-on learning. It will cover plate tectonics, identification of rocks and minerals, weathering and erosion, interpretation of topographic and geologic maps, aquifer studies, mountain building, earthquakes and volcanoes.

Students may be required to attend a Friday fieldwork day.

This will be a Standard Based grading course.

SOCIAL STUDIES

Current Events

Crime and Justice

World History

American History

Montana History

Government

Late 20th Century History

International Studies

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Current Events	9-10	Year	1	None

Students will keep abreast of the daily happenings around the world. They will be asked to determine the relevance of those events in the life of our nation and its people and explain the importance to them individually. Political and social trends will be studied and students will be asked to explain their views in writing.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Crime & Justice	11-12	Sem.	.5	None

Students will be taught about the American legal system. Students will have an opportunity to observe the youth justice system as well as the adult system. Field trips and speakers will be used to help students understand the rights of people who are charged with a crime as well as how the prosecution protects the rights of the public. Offered very other year.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
World History	10	Year	1	None

This is a sophomore history class covering the time from pre-recorded history through the age of Exploration. Lessons of ancient cultures are studied in order to learn about our current society. Besides looking at chronological development, students will participate in group projects and various activities which will help them better understand the content of the course.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
American History	11	Year	1	None

The American History class begins with a brief review of the founding of the United States and its development through the Civil War. The focus of the course, however, is on United States History from the Post-Civil War period through the 1970's. Cooperative learning groups and a variety of group and individual activities will be used to increase the relevance of the material covered.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Government	12	Year	1	None

A full year of Government is required as a graduation requirement at Jefferson High School. Students will have the opportunity to learn about the three branches of the U.S. government. State and local governments will be studied. The requirements of good citizenship are a primary focus of this course.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Montana History	9-10	Sem.	.5	None

This course is an elective social study, which is available to all grades. It covers Montana History from pre-history through early 1900's including the homesteading era. Special emphasis will be placed on the study of indigenous peoples, their cultures as well as the local history of Jefferson County. A variety of methods including selected readings, lectures, videos and guest speakers are used in the class. Selected research projects are also emphasized. Offered every other year.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
International Studies	9-10	Semester	.5	

International Studies will provide students an opportunity to learn about and explore International Issues, international organizations, and an emphasis will be place on Geography. Students in the course will be encouraged to participate in the Model United Nations Club and will work to become experts on one of the Countries of the World. International Studies will be a semester long course.

Additional Course Offerings

TRAFFIC EDUCATION

Traffic Education is a semester long course. Students will receive a ½ credit and must be at least fourteen and a half years old by course completion. A fee of \$175 is charged. THE FEE MUST BE PAID (OR ARRANGEMENTS MADE) WITHIN 3 DAY OF THE 1ST DAY OF CLASS. Priority is given to older students.

Students will learn the basic highway laws of Montana. Automobile and driving safety will be emphasized throughout the course. **Students are required to have a minimum of 45 hours class time and a minimum of 6 hours of driving experience to pass the course.**

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Computer Tech	10-12	Sem. or Year	.5 or 1	Instructor consent

Ind. Study
This is a hands-on course dealing with hardware and network technologies. With guidance from the JHS Tech Coordinator students will work directly with all JHS computers, networks and related hardware. They will be graded on a pass/fail system. This is an opportunity to gain computer related skills and knowledge that will assist students in post-secondary education and careers.

COURSE TITLE	LEVEL	LENGTH	CREDIT	PREREQUISITES
Yearbook	10-12	Sem or Year	.5 (1st Semester) or .5 2nd Sem	

(Instructor Approval ONLY)
Students will be required to write, format and edit copy, use proper written grammar, format ads, sell ads, take pictures, communicate with the public and use creative writing skills. Students will utilize these skills creating the yearbook as their final product. Can be taken more than once with Instructor's approval. Students interested in taking this course in the second semester only **MUST** have instructor approval. **Limit 15 students. Prerequisites: Basic computer knowledge. Availability to take pictures outside of school.**

A Message from the Counselor

The admission policies for the Montana State University System have evolved over the years. Keeping track of these changes can sometimes be a daunting process. I am including outlines of the current policies for the Board of Regents' College Preparatory Program as well as the state graduation requirements.

As your student progresses through their high school years, it is important to know the Montana State graduation requirements as well as the expected requirements for college entrance.

One of the most asked questions relates to Foreign Language. In Montana you do not need to take a foreign language to be admitted to any of our post-secondary institutions. However, a foreign language can be considered in the elective section of the requirements. Please note two consecutive years of foreign languages are required for out of state institutions.

MONTANA UNIVERSITY SYSTEM ADMISSION POLICIES

In order to be admitted to any of the four-year campuses of Montana University System, students must meet a combination of admissions standards, on the MUS website at <http://mus.edu/admissions.asp>.

FIRST, Admissions Policy 301.1, requires that students meet one of three minimum requirements:

Minimum admissions exam scores:	ACT Composite	SAT Total
MSU-Northern,	20	1440
MSU-Billings & Bozeman	22	1540
UM-Missoula, MT Tech of UM and UM-Western	22	1540

*OR have at least a 2.5 high school GPA (grade point average);
OR rank in top half of school's graduating class.*

AND, students must complete the **Board of Regents' College Preparatory Program** in high school. There are two tracks of college prep courses, the minimum core, established in 1991, and the rigorous core, adopted in 2002 as part of the math proficiency standard. OCHE maintains and posts the lists of each high school's core on the website: <http://mus.edu/asa/hscp/index.asp> Students graduating in 2010 or later must complete the **Rigorous Core** to be eligible for a Montana University System Honor Scholarship.

Course	Minimum Core	Years	Rigorous Core	Years
Mathematics	Algebra I, II, and Geometry (or the sequential content equivalent).	3	Algebra I, II, and Geometry (or the sequential content equivalent) and a course beyond Algebra II (such as Trigonometry, Pre-Calculus, Calculus, or course equivalent)	4
English	Written and oral communication skills and literature	4	Written and oral communication skills, literature, and a designated college-prep composition or research-writing course	4
Science	2 lab sciences: one year must be earth science, biology, chemistry or physics	2	Full year each: General, physical or earth science; biology; chemistry or physics	3
Social Studies	Global studies (world history, world geography), American history, and government. Economics, American Indian history or other third-year course	3	Global studies (world history, world geography), American history, and government. Economics, American Indian history or other third-year course. Recommend: ½ yr of other courses such as psychology, humanities	3
Electives	World language, computer science, visual and performing arts, or vocational education	2	2 years of a second language, music, fine arts, speech/debate, career and technical education (such as information technology, computer science)	3

AND, students must satisfy the **Mathematics Proficiency** standard (Policy 301.15):

Assessment	Fall 2010
ACT Math	22
SAT Math	520
AP Calculus AB or BC Subject Exam	3
CLEP College Algebra-Trig, Calculus, or Trig	50

OR **Minimum Grades of C in each course of the High School Rigorous Core including 4 years of math and 3 years of science.**

Exceptions and additional details are available at: <http://mus.edu/borpol/bor300/301-15.htm>.

AND, students must satisfy the **Writing Proficiency** standard (Policy 301.16) according to this phase-in schedule:

Assessment	Fall 2009
ACT Writing Subscore on Optional Writing Test or	7
ACT Combined English/Writing Score or	18
Essay Score Writing Section of SAT or	7
SAT Writing Section Score or	440
AP English Language Literature Examination or	3
MUS Writing Assessment	3.5

OR **Minimum Score of 50 on CLEP Subject Exam in Composition.**

Exceptions and additional details are available at: <http://mus.edu/borpol/bor300/301-16.htm>.

Students who do not meet the Writing and/or Mathematics Proficiency standards may enter a four-year program under **Provisional Admissions**:

If a student has not yet demonstrated the ability to meet mathematics or writing proficiency standards, the student

may be admitted to a 2-year degree program or admitted provisionally to a 4-year program. Before gaining full admission status, the provisionally admitted student may prove appropriate proficiency by re-taking one or more of the listed assessments to earn the required score or earn a grade of C- or better in the math or composition course that is the prerequisite to the course that satisfies the general education program requirements. If students have been provisionally admitted, they must achieve full admission status before the end of three semesters or the completion of 32 credits in the Montana University System, whichever event occurs first.

Our counseling department is dedicated to assisting you and your student. There is always an open invitation to stop in for a visit.

Joe Michaud
joe.michaud@jhs.k12.mt.us
College and Career Counselor