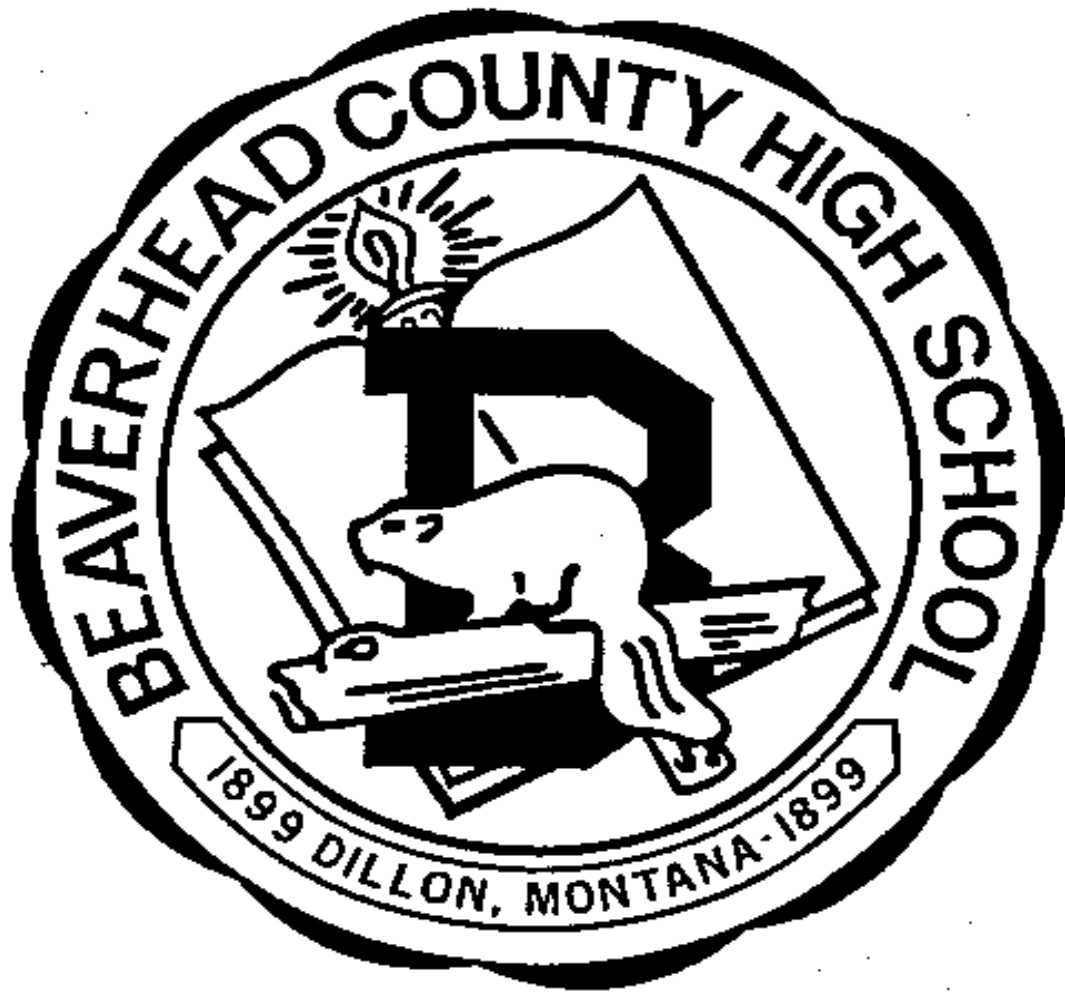


REGISTRATION INFORMATION



COURSE GUIDE 2018-2019

TABLE OF CONTENTS

GRADUATION REQUIREMENTS	3
GRADING SCALE	4
MONTANA DIGITAL ACADEMY	5
MONTANA UNIVERSITY SYSTEM ADMISSION POLICY	5
REQUIRED SUBJECTS/GRADE	7
CREDIT INFORMATION	7
PLANNING YOUR SCHEDULE	7
COURSE PLAN	8
CONCURRENT CREDIT	9
ADVANCED PLACEMENT	14
AIDES (Library, Office & Teacher)	16
AGRICULTURE EDUCATION DEPARTMENT	17
ART DEPARTMENT.....	18
BUSINESS/COMPUTER DEPARTMENT	20
FAMILY AND CONSUMER SCIENCE DEPARTMENT	21
FOREIGN LANGUAGE DEPARTMENT	23
INDUSTRIAL ARTS/TECHNOLOGY DEPARTMENT	24
LANGUAGE ARTS DEPARTMENT	25
MATHEMATICS DEPARTMENT	27
MUSIC DEPARTMENT	29
PHYSICAL EDUCATION DEPARTMENT	31
SCIENCE DEPARTMENT	33
SOCIAL SCIENCE DEPARTMENT.....	35
SPECIAL EDUCATION/RESOURCE ROOM	37
SKILLS LAB	38
WORK STUDY	38

GRADUATION REQUIREMENTS

Graduation requirements for incoming 2018-2019 Freshmen graduating in 2022 are based upon the following:

- Successful completion (passing) required classes.
- Attaining a minimum of 44 or 48 credits.

General Education:

Four years of English

Two years of Mathematics

Three years of Science (Earth and Space Science, Physical Science, Life Science)

Two years of Social Studies (U.S. History, Government)

One year of Health Enhancement

One year of Arts (Music and/or Art classes) Foreign Language is not a Fine Arts.

One year Vocational/Tech Ed (Family and Consumer Science, Business/Computers, Ag and Industrial Art classes)

Electives to total a minimum of 44 credits

College Preparatory: In addition to the general education curriculum the following classes are needed to meet BCHS college preparatory requirements.

Three years of Mathematics (one year must be Algebra II)

Three years of Social Studies (World History/Geography, Psychology, Montana History, World Geography) (Be sure to check the college you plan to attend, they may require World History/Geography)

*Credits need to total a minimum of 48.

Graduation from Beaverhead County High School for students graduating in 2019, 2020, 2021 are based upon the following:

- Successful completion (passing) required classes.
- Attaining a minimum of 40 credits.

General Education:

Four years of English

Two years of Mathematics

Two years of Science (Earth Science, Biology)

Two years of Social Studies (U.S. History, Government)

One year of Health Enhancement

One year of Arts (Music and/or Art classes) Foreign Language is not a Fine Arts.

One year Vocational/Tech Ed (Family and Consumer Science, Business/Computers, Ag and Industrial Art classes)

Electives to total a minimum of 40 credits

College Preparatory: In addition to the general education curriculum the following classes are needed to meet BCHS college preparatory requirements.

Three years of Mathematics (one year must be Algebra II)

Three years of Social Studies (World History/Geography, Psychology, Montana History, World Geography) (Be sure to check the college you plan to attend, they may require World History/Geography)

Three years of Science (Chemistry, Physics, Ecology, AP Biology and Anatomy & Physiology, Applied Science of Molec Tech, CHMY 121)

*credits need to total a minimum of 44.

Elective classes recommended for College Prep. include:

- A. Pre-Calculus
- B. Calculus
- C. Selections from Science department
- D. World History/Geography, Psychology, Sociology
- E. Foreign Language-two years of the same language. Many out of state schools have a foreign language requirement.
- F. Advance Placement classes: English IV, U.S. History
- G. Dual Credit/Concurrent

Credit for class is awarded:

- At the end of the semester.
- Must successfully pass the class.
- One credit earned per semester.
- Exceptions: ½ credit may be earned for the following classes: Skills Lab, aides for Office, Athletic Director, and Library (which are not calculated into the G.P.A.).

Grading Scale:	A	93-100	C	73-76
	A-	90-92	C-	70-72
	B+	87-89	D+	67-69
	B	83-86	D	63-66
	B-	80-82	D-	60-62
	C+	77-79	F	59 and below

Each student has a transcript. Transcripts are the official record of academic achievement. Only semester grades are averaged together to obtain the cumulative G.P.A. (grade point average) at the end of each semester (January & June, all 4 years). Class rankings are determined by cumulative semester grade point average at the close of each semester. Transcripts may also include test scores from the PSAT, ACT and SAT.

Services for Special Needs:

- A. Skills Lab is provided for students needing improvement in reading and math.
- B. Special Education Services are available for students with the identification of learning disabilities and individual education programs.
- C. Students who fail required courses may choose to take correspondence courses through BYU instead of BCHS. Students who have a deficit of credits may obtain additional credits through the BYU correspondence program.
- D. Correspondence Courses:
 - 1. Students who fail required courses may take correspondence courses through MTDA and/or BYU instead of repeating the course at BCHS.
 - 2. The total cost is the responsibility of the students & their family.
 - 3. Students who have a deficit of credits may obtain additional credits through MTDA and/or BYU program (courses that BCHS does not offer).
 - 4. Permission for correspondence courses will be reviewed by the guidance/administration offices and completion is the responsibility of the student and parent(s).

Montana Digital Academy

MTDA provides an opportunity for students to take online classes. **Students need to be self- motivated and able to work independently** in order to complete course assignments and requirements. The MTDA academic calendar is similar to, but not exactly aligned with, the BCHS academic calendar. Therefore, students wishing to take MTDA courses need to be aware of and abide by enrollment/drop deadlines set by MTDA, along with course start/end dates.

Students may take MTDA classes under the following circumstances 1) To take a course that is not offered at BCHS 2) To obtain additional credits needed for graduation requirements 3) to resolve a scheduling conflict 4) To make up a failed BCHS class through MTDA's credit recovery program. Students wishing to complete an MTDA course must complete the following steps:

- 1) **Complete the application available in the BCHS Counseling Office**
- 2) **Submit application for approval to the Assistant Principal**
- 3) **Upon approval, complete a Course Contract requiring the signature of the student, parent/guardian, and the BCHS Counselor.**
- 4) **When registering, sign-up for a study hall period to be used for MTDA**

Students take MTDA courses within a regularly scheduled class period. However, computer access outside BCHS is necessary as classes often require work to be completed outside of school. Students should read and fully understand the course description on the MTDA webpage for the class they wish to sign up for, and be able to obtain any required supplies listed there.

To learn more about digital academy courses, visit their webpage at www.montanadigitalacademy.org or visit the counseling office.

MONTANA UNIVERSITY SYSTEM ADMISSION POLICY

I. Full Admission. To be fully admitted as first-time, full-time undergraduates (without conditions or provisions), students must meet the following requirements:

A. Completion of the Regents' College Preparatory Program:

1. Four years of English: in each year the content of the courses should have an emphasis upon the development of written and oral communication skills and study of literature.
2. Three years of mathematics including Algebra I, geometry and Algebra II (or the sequential content equivalent of these courses). Students are encouraged to take a math course in their senior year.
3. Three years of social studies which shall include global studies (such as world history or world geography); American history; and government, economics, Indian history or other third year courses.
4. Two years of laboratory science: one year must be earth science, biology, chemistry, or physics; the other year can be one of those sciences or another approved college preparatory laboratory science.
5. Two years chosen from the following:
 - (a) foreign language (preferably two years)
 - (b) computer science
 - (c) visual and performing arts, or
 - (d) career/technical education units which meet the office of public instruction guidelines.

B. Demonstration of Mathematics Proficiency:

1. A score of 22 or above on ACT mathematics; or
2. A score of 27.5 or above on SAT mathematics test; or
3. A score of 3 or above on the AP calculus AB or BC subject examination or a score of 4 on the IB calculus test; or
4. A score of 50 or above on the CLEP subject examinations in selected topics [college algebra, college algebra-trigonometry, pre-calculus, calculus, or trigonometry]; or

5. Completion of a rigorous high school core including four years of mathematics in high school (Algebra I, Algebra II, geometry & a course beyond Algebra II) and three years of laboratory science; or three years of mathematics including a course beyond Algebra II and four years of laboratory science, in addition to English, social studies, and electives as described in the regents' college preparatory program, with grades of C or better in all courses. (See Appendix I.)

C. Demonstration of Writing Proficiency:

1. A score of 7 or above on the writing test or 18 or above on the ELA (weighted composite based on the English, reading, and writing scores) of the optional writing test of the ACT; or
2. A score of 25 or above on the writing and language test of the SAT; or
4. A score of 3 or above on the AP English language or English literature examination; or
5. A score of 4 or above on the IB language A1 exam; or
6. A score of 50 or above on the (CLEP) subject examinations in composition.

D. General preparation as demonstrated through at least one of the following:

1. A composite score of at least 20 on the ACT or a score of at least 1050 on the total of mathematics, evidence-based reading, and writing scores on the SAT (Scholastic Aptitude Test) for admission to Montana State University-Northern; or
2. A composite score of at least 22 on the ACT or a score of at least 1120 on the total of mathematics, evidence-based reading, and writing scores on the SAT, for admission to Montana State University- Billings, Montana Tech of The University of Montana, Montana State University-Bozeman, The University of Montana-Missoula, and The University of Montana Western; or
3. A high school grade point average (GPA) of at least 2.5; or
4. A ranking in the upper half of the school's graduating class.

II. Provisional Admission: Students who do not demonstrate the ability to meet the mathematics and/or writing proficiency standards may be admitted provisionally to a four-year degree program on any campus of the MUS and without condition to a two year degree program. Operational rules pertaining to provisionally admitted students are:

A. Students must be informed of their admission status by letters that include the following points:

1. The minimum mathematics and/or writing score(s) required compared to their score(s) that did not satisfy this requirement;
2. An explanation of what they must do to attain full admission status
3. Academic support services available to students, such as tutoring centers.

B. Provisionally admitted students must attain full admission status by completing at least one college-level mathematics and college-level composition course with grades of C- or better before completing 32 credits or 3 semesters, whichever comes last.

C. Provisionally admitted students may declare a major.

D. The term "provisional admission" has particular meaning in the Montana University System, under Board of Regents' Policy. It cannot be used to describe any other admissions status or situation in the System.

E. Provisional admission does not change existing rules within the Montana University System concerning financial scholarship eligibility, satisfactory academic progress, academic probation or suspension rules.

Course	College Prep Program	Years	Rigorous Core	Years
Mathematics	Algebra I, II, and Geometry (or the sequential content equivalent, i.e. 3 levels of Integrated Math).	3	Algebra I, II, and Geometry (or the sequential content equivalent) and a course beyond Algebra II or Integrated Math III (such as Trigonometry, Pre-Calculus, Calculus, Computer Math, or course equivalent) <i>All with grades of C or better.</i>	4
English	Written and oral communication skills and literature	4	Written and oral communication skills, literature; Recommendation: a designated college-prep composition or research-writing course.	4
Science	Lab sciences: one year must be earth science, biology, chemistry or physics	2	Lab sciences: 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. Recommendation: ½ yr of other courses such as psychology, humanities	3
Electives	World language, computer science, visual and performing arts, or career/technical education	2	Recommendation: 2 years of one world language; and music, fine arts, speech/debate, or career/ technical education (such as computer science)	3

REQUIRED SUBJECTS/GRADE (Full Year Requirements)

<u>9th</u>	<u>10th</u>	<u>11th</u>	<u>12th</u>
English	English	English	English
Mathematics	Mathematics	U.S. History	Government
Health Enhancement I	Science		
Science			

CREDITS:

Two (2) credits equals passing one year in any regular class.

One (1) credit equals passing one semester in any regular class.

PLANNING YOUR SCHEDULE:

Study this booklet carefully when selecting your classes. Be concerned about:

- your progress toward meeting the graduation requirements and,
- completing a plan of courses which will benefit you after graduation. (for example) preparation for college (2 or 4 year), College of Technology, technical school, employment, etc.

The school day consists of seven (7) class periods. It is required that all students carry seven (7) classes for each semester.

BEAVERHEAD COUNTY HIGH SCHOOL COURSE PLAN

First Semester

FRESHMEN YEAR

- 1) English I/Honors English+
- 2) Health Enhancement I
- 3) Earth and Space Science
- 4) Pre-Algebra/Algebra I/Geometry
- 5) _____

- 6) _____
- 7) _____

SOPHOMORE YEAR

- 1) English II/ English III-Comp/Lit
- 2) Biology/Chemistry#
- 3) AlgI/AlgII/Geom

- 4) _____
- 5) _____
- 6) _____
- 7) _____

JUNIOR YEAR

- 1) English III-Comp/Lit- English IV-Lit/Comp
- 2) U.S. History/A.P. History
- 3) Geometry if not taken

- 4) _____
- 5) _____
- 6) _____
- 7) _____

SENIOR YEAR

- 1) English IV-Lit/Comp/Writing 101 or A.P.
- 2) Government

- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____

Second Semester

- 1) English I/Honors English+
- 2) Health Enhancement I
- 3) Earth and Space Science
- 4) Pre-Algebra/Algebra I/Geometry
- 5) _____

- 6) _____
- 7) _____

- 1) English II/ English III-Comp/Lit
- 2) Biology/Chemistry#
- 3) AlgI/AlgII/Geom

- 4) _____
- 5) _____
- 6) _____
- 7) _____

- 1) English III-Comp/Lit- English IV-Lit/Comp
- 2) U.S. History/A.P. History
- 3) Geometry if not taken

- 4) _____
- 5) _____
- 6) _____
- 7) _____

- 1) English IV-Lit/Comp/Writing 101 or A.P.
- 2) Government

- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____

Note: One year of vocational/technology education is required (Business/Computers, Family and Consumer Science, Vo-Ag or Industrial Arts).

A full year of fine arts (music or art courses) is required.

Concurrent Credit Opportunities for Beaverhead County High School

Beaverhead County High School in cooperation between the University of Montana/Western and Highlands College have put together a tremendous educational partnership with the common goal of offering college credit opportunities for BCHS students that complement their high school experience and prepare them for postsecondary education.

College Rigor & Responsibilities

As a dual credit student, you will find that dual credit courses go at a faster pace, contain more depth of content, and may contain adult subject matter. It is the responsibility of the dual credit course to provide college-level, challenging coursework to prepare the student properly for the next step, whether that is as a general education course and/or as pre-requisite material for a follow-up course.

Dual credit classes are recommended for students capable of college level coursework. Students need not be top academic performers but must be academically strong, hardworking, and focused. Many high school students fit this description. Students will be expected to learn how to fill out many forms, follow procedures for registration and payment, understand university policies, and abide by university deadlines. The university expects the student to be responsible for taking care of personal and academic business; not the parent, guardian, or school advocate. It is also important to understand that you are beginning a new record of academic history that will follow you wherever you go in the postsecondary environment. Poor academic history can adversely affect admissions into post-secondary institutions, ability to be awarded financial aid, acceptance into degree programs, and eligibility for participation in athletics and campus activities.

In-school course options

In-school concurrent/dual credit courses are offered during the standard school day at BCHS. These classes are actual college courses which are taught by BCHS instructors. These courses count towards high school graduation and also qualify for college credit. Students opt in for college credit in the class by filling out an application for concurrent credit, a registration form and a release of information form and submitting them to either the dual credit coordinator at the University of Montana western or Montana Tech, Highlands College.

Course offerings as of the Fall 2018 include from the University of Montana Western:

- ARTZ 101 – Art Fundamentals, 4 credits
- ARTZ 231 – Ceramics I, 4 credits
- ASTR 110 Introduction to Astronomy, 4 cr.
- BIOB 191 - Applied Science of Molecular Technology, 4 credits
- CHMY 121 – Introduction to General Chemistry*, 4 credits (designed for non-science majors)
- WRIT 101 – College Writing I*, 4 credits

**Montana University System prerequisite requirements apply. See course description for details.*

Course offerings as of the Fall 2018 include from Highlands College of Mt. Tech:

- Welding and Metal Fabrication
 - WLDG 105 – Shop Safety – 1 credit
 - WLDG 112 – Cutting Processes – 1 credit
 - WLDG 180 – Shielded Metal Arc Welding – 2 credits
- Construction Technology – 3 credits

Note: Offerings may change; contact the college dual credit rep or the BCHS counselor for a current offering list

Concurrent Credit costs:

Montana Tech, Highlands College: \$52.06/credit

University Montana Western - Cost

Dual enrollment students pay half tuition, course/lab fees, & online fees associated with the course. Dual enrollment students do not pay university fees, admission fees, or registration fees. UMW dual enrollment tuition is \$50.00/credit (\$200.00 for a 4 credit class).

Enrollment Guidelines:

Single semester fall courses go through enrollment paperwork in the spring, generally in May. All forms and instructions for how to fill them out can be found online at <http://institute.mtech.edu/>. Students can also schedule a time to meet with the University concurrent credit coordinator or with the BCHS counselor to discuss enrollment options.

Montana Tech, Highlands College, will be moving toward registering fall dual enrollment students in May. Spring semester students will be enrolled in December and January. If you have questions regarding dual enrollment courses through Montana Tech, please contact Bernie Phelps.

Enrollment Procedure – University Montana Western

Students opt in for college credit in the class by filling out an application for dual enrollment credit, a registration form and a release of information form and submitting them to either the dual enrollment coordinator at the University of Montana Western or Highlands College of Montana Tech. Enrollment times occur in May for fall semester and year-long courses and January for spring semester courses. Payment is due on or before the first day of the university semester schedule, check with the respective dual enrollment coordinator of the course for specific deadlines.

NOTE: U of M/Western: If you must drop a class for any number of reasons; change in schedule, struggling with course content, health reasons, etc. you are responsible for contacting the UMW dual enrollment coordinator to complete the required paperwork. Students are not allowed to drop classes that have ended or if the deadline to drop has passed. Dropping a class does not ensure full or partial refund of tuition.

Dual Enrollment Guidelines –University Montana Western

Dual-enrolled Students must:

- Be enrolled in a high school that has a current interlocal dual enrollment agreement with the higher education institution (home-schooled students may enroll through the school district in which they reside)
- Be at least 16 years of age or a high school junior
- Meet prerequisites for the course including placement tests or proficiency scores for math and writing (MT Board of Regents Policies 301.1 and 301.17)
- Have successfully completed the required high school classes at that grade level and be on track for high school graduation
- Meet same admission requirements as on-campus students (MT Board of Regents Policies 301 and 301.1), except for a high school diploma
- Have approval signatures of a parent or guardian, high school official, and designated college official.

Excerpted from the *Montana University System Operational Guidelines for Dual Enrollment and Other Secondary-Postsecondary Credit Opportunities** *Find full publication at mus.edu/DualCredit/2year_contacts.asp

How does this credit get recorded? Are these credits transferable?

Concurrent credit courses are recorded on a University of Montana Western and/or Montana Tech, Highlands College transcript, just like any other course taken from the institution. Students should be mindful that their classes will be maintained on a permanent record and attempt only courses they feel capable of passing (C- or better). A failing grade on a transcript from a concurrent/dual credit course can negatively impact college admissions applications. Students should drop courses if they are struggling before the 15th day of the class of the college semester (dates are available from the Dual Credit Coordinator at each University/College). Note that drop dates sometimes coincide with the start of the high school courses due to the offset between the college and high school calendars. After that date, students can still withdraw from the course but it shows a “W” on the transcript.

These credits are fully transferable in the Montana University System. Students who attend colleges or universities other than the University of Montana Western or Montana Tech, Highlands College should request a transcript be sent to the other institution to receive credit for the course. They should also retain a copy of the course syllabus to demonstrate equivalency to the accepting college. Montana Tech will provide each student with a letter containing their college ID number which will be required to request a college transcript. If you have any questions about what a particular course will count towards in a Montana University System program/degree, please contact the appropriate Dual Credit Coordinator that offered the course. If you have questions about transferability to a particular non MUS university or college, call that school directly (the right of acceptance or denial of transfer credit always falls to the accepting institution). **It is the student’s responsibility to verify the transferability of courses to his or her future institution and intended major.**

Dual Enrollment Contacts

The University of Montana Western

Ryann Gibson

Dual Enrollment & Big Sky Pathways Coordinator

ryann.gibson@umwestern.edu

Highlands College of Montana Tech

Bernie Phelps

Big Sky Pathways & Dual Enrollment Associate Director

bphelps@mtech.edu

CONCURRENT CREDIT COURSES

APPLIED SCIENCE OF MOLECULAR TECHNOLOGY Concurrent Credit

Year-long Class

11-12

Prerequisites: Biology, **Counselor recommendation and Instructor's approval**

This is a laboratory based class in which students will be participating in novel molecular biology research and completing synthetic biology lab activities. During this course students will learning about and applying molecular biology techniques such as PCR, standard gene cloning, protein expression and purification. Students will be required to maintain a laboratory notebook and construct formal reports and/or presentations.

ARTZ 101 ART FUNDAMENTALS Concurrent Credit

Fall Semester class

11-12

Prerequisite: Art 1A and/or 1B, 2A and/or 2B, 3A, 3B w/grade of B or higher, **instructor approval**

The course will seek to challenge the efforts of advanced artists. Emphasis will be on effectively implementing the Elements and Principles of Art with originality, personal style, and individual statements in expression. The focus will be quality, not quantity. The students will focus on creating a self-developed portfolio that can be used for admittance to college and also for scholarships. Prior to beginning any of the pieces of artwork, the student and I will decide what aspects of their portfolio they are lacking, for example, watercolor, oil, sculpture. Throughout the course of the semester, the student will produce pieces that will help develop their portfolio.

This general education core course is designed for future non-art majors or those wanting the challenge of an introductory MUS course.

*May not apply toward a major in art related degrees. It is advised to contact the desired university/college for requirements specific to that institution and their protocol for transfer credits/courses.

ARTZ 231 CERAMICS Concurrent Credit

Spring Semester class

11-12

Prerequisite: **Instructor approval**

Maximum enrollment: 10 students

Introduces basic forming skills, glaze techniques, and firing processes with emphasis on craftsmanship and aesthetic judgment. Students will gain manual and technical skills in clay, along with comprehension of three dimensional spatial, aesthetic, and functional considerations. Introductions and demonstrations of different hand building and wheel throwing techniques will be covered in depth. Self-motivation and daily participation is a necessity.

This art related degree course, as well as general education core course, is designed for future art majors and non-art majors or those wanting the challenge of an introductory MUS course.

*It is advised to contact the desired university/college for requirements specific to that institution and their protocol for transfer credits/courses.

*Due to limited enrollment, priority will be given to students taking the class for concurrent credit.

ASTRONOMY 110 Concurrent Credit

11-12

Semester Class

Prerequisites: High School Earth and Space Science and completion of Algebra II with a passing grade.

An introductory course in the nature and structure of the universe including our solar system, stellar structure and evolution, galactic structure, and the large-scale structure of the universe. Day and night observations will be used along with lab projects to familiarize students with the scientific methods used by astronomers. Activities will establish an understanding of our unique perspective from the earth.

This general education core course is designed for future non-physics/astronomy majors or those wishing the challenge of an introductory MUS course. * May not apply toward a major in science related degrees.

CHMY 121 – INTRODUCTION TO GENERAL CHEMISTRY Concurrent Credit

Semester Class

12

Prerequisite: Chemistry, Algebra II

Additional prerequisite for CHMY 121 is documented mathematical ability equivalent to M 095 Intermediate Algebra. Ability can be demonstrated by appropriate college credit or ACT/SAT Math score, see below. In lieu of ACT/SAT scores for mathematics, a student must have completed Algebra II with a passing grade.

Demonstration of Mathematics Proficiency:

- A score of 22 or above on ACT mathematics; or
- A score of 520 or above on SAT mathematics; or
- A score of 3 or above on the AP calculus AB or BC subject examination or a score of 4 on the IB calculus test; or
- A score of 50 or above on the CLEP subject examinations in selected topics (College Algebra, College Algebra-Trigonometry, Pre-calculus, Calculus, or Trigonometry); or
- Completion of a rigorous high school core including four years of mathematics in high school (Algebra I, Algebra II, Geometry & a course beyond Algebra II) and three years of laboratory science; or
- Three years of mathematics including a course beyond Algebra II and four years of laboratory science, in addition to English, social studies, and electives as described in the Regents' College Preparatory program, with grades of C or better in all courses.

This course will provide a foundation in basic chemical principles for students who are pursuing careers in fields such as environmental studies, biology, wildlife biology, nursing, physical therapy, and exercise science. This course will also emphasize the applications and impacts of chemistry in our society. Through inquiry based lessons and laboratory exercises, students will develop quantitative problem solving and analytical skills along with constructing correct concepts in atomic and molecular theory, nuclear chemistry, chemical bonding, chemical reactions, states of matter, and solution chemistry.

CONSTRUCTION TECHNOLOGY Concurrent Credit

Year-Long Class

11-12

Prerequisite: Wood I

Maximum enrollment: 16 students

Introduces the carpentry trade, including history, career opportunities, and requirements. This course covers a variety of building materials, fasteners, and adhesives. It also covers installation procedures for windows and exterior doors. Skills required for framing a simple structure are studied and practiced. It also covers proper safety procedures in the operation of hand and power tools.

WELDING AND METAL FABRICATION Concurrent Credit

Semester or Year-long Class

Prerequisite(s): AG 1 or instructor approval

11-12

Maximum enrollment: 16 students

Introduction to modern science of joining technology, as well as a detailed examination of metallurgy and materials properties as related to joining processes. Welding specification and symbols are introduced as well as modern welding code usage. Weld design, set-up, preparation, application, and tests are emphasized. Specific hands-on experiences in OAW, SMAW, GMAW, common separating processes, CNC, general metal fabrication, as well as weld testing, are included in laboratory. Class time will be divided between classroom instruction and hands-on laboratory activities. Juniors and seniors who register at the beginning of the semester and receive a grade of 80% or better in the course will be eligible to receive college credits from Highlands College at Montana Tech.

WRITING 101- Concurrent Credit

2nd Semester Class

12

Prerequisites: Student must be of senior standing, have completed English III, and demonstrate writing proficiency. A demonstration of writing proficiency is one of the following:

- A score of 7 or above on the essay or 18 on the combined English/writing section of the optional writing test of the ACT; or
- A score of 7 or above on the essay or 440 on the writing section of the SAT; or
- A score of 3 or above on the AP English Language or English Literature examination
- A score of 4 or above on the IB language A1 exam; or
- A score of 50 or above on the (CLEP) subject examinations in composition.

Writing 101 is a semester long class designed to challenge students to increase their reading and writing capabilities and explore their thinking and discussion practices. It is an intense college level course. It will require readings, writings, and discussions inside and outside of class. Students will need to be prepared when they walk through the doors to read, respond, and write. This writing course is highly interactive and depends on frequent feedback, discussions, and in-class workshops. Attendance, in-class participation, and respect for submission deadlines are expected.

ADVANCED PLACEMENT

Advance Placement (AP) courses are rigorous and academically challenging college-level courses that may be taken for college as well as high school credit. AP courses are more demanding than a typical class.

Why take AP courses?

1. To accept the opportunity and challenge of advancing your learning beyond the average.
2. To prepare yourself for higher learning.
3. To further develop your personal and academic skills and practices.
4. To expand and enhance the range and level of future opportunities.
5. To receive college credit at the college of your choice for the learning you achieved at BCHS.

How do I receive college credit for AP?

In May, near the conclusion of an AP course, you may choose to take the nationwide AP exam related to that course. Annually, over 2,000,000 students take AP exams. Most colleges and universities have an AP policy granting incoming students credit and/or placement for qualifying AP Examination grades. Exam scores occur on a scale of 1-5, with 5 being the highest. Policies vary among colleges as to what score is necessary for credit to be granted but typically accept a 3, 4, or 5. Check with the schools you are applying to see what score they will accept. You could begin college an extra step ahead.

What are some other benefits of taking AP for college credit?

By not having to re-take (and pay for) subjects you have already mastered, you will move earlier into advanced courses and other learning opportunities. You will reach your goals more quickly.

What does it cost?

There is no fee for the course. Fees for the exam during the 2017-2018 school year are \$94. For qualified students, assistance in paying for the exam is available through the counseling office.

How do AP courses affect GPA?

Because of their higher level of difficulty, AP courses are afforded .25 more weight in calculating GPA. For example, a B would normally render 3.0 GPA points, but a B in an AP class renders 3.25 GPA points. Therefore, a grade earned in an AP class will contribute more highly to your GPA than the same grade earned in a regular course.

What AP Courses are offered? Can I take two or more?

AP courses are taken during a regularly scheduled class period in conjunction with your other BCHS courses. When developing your schedule, make sure to take into consideration the rigorous workload in addition to other school and non-school obligations. You may take as many AP courses as scheduling will allow, providing any pre-requisites are met. The AP courses below are offered at BCHS.

AP Biology, AP English Literature and Composition, AP Psychology.

*additional AP courses are available through Montana Digital Academy. Please ask the counselor for details.

What are Advanced Placement Courses like?

AP courses are:

- More demanding than regular high school courses
- Are recommended for highly motivated students
- Are different from the regular BCHS courses in that they are taught with college curricula and college level materials
- Require strong skills in reading and writing
- Allow students the opportunity to engage in subjects at a greater depth than regular courses.

Will I succeed in AP?

That, of course, will depend on you. With strong reading, writing, and study skills, solid work habits, and high motivation to learn, you will do well. You are encouraged to visit with the teacher of the AP course you are interested in to learn about the course before enrolling.

ADVANCED PLACEMENT COURSES

AP BIOLOGY

11-12

Year-long Class

Prerequisites: Juniors and seniors who have had at least a year of biology and **instructor's approval**.

It's a comprehensive survey of general biology that includes biochemistry, cellular biology, molecular genetics and heredity, biotechnology, diversity, structure and function of organisms, and ecology and evolution. These themes link topics and create a dynamic, thought-provoking course which will help students to experience science. There are 12 recommended lab topics that require a minimum of 48 class hours to complete -- that's one-fourth of the typical school year!

The lab component makes AP science courses unique. If we want our students to have a real college-course experience and to go on, able to compete with those students who took their first-year biology course in college, we must provide them with laboratory experience that will allow them to manipulate equipment and data, draw conclusions, and think analytically. AP Biology can be the course that gives meaning and context to all of the high school science a student has studied.

Three traits usually apply to students who will be successful in AP Biology:

- Interested in the subject
- Motivated to learn
- Willing to work

Determination can overcome a deficit in background.

AP-ENGLISH-LITERATURE, LANGUAGE, AND COMPOSITION

Year-long Class

12

Prerequisite: Grade of B- or better in English III, **teacher recommendation**.

This is a college-level course in literature and composition open to students who have done well in previous English classes and are strong writers. Through in-depth reading and intensive study of representative literary works from various genres and periods, students will learn to understand a work's complexity, to absorb its richness of meaning, and to analyze how that meaning is embodied in literary form. AP Literature puts the burden of learning squarely on the student's head, requiring self-motivation, self-discipline, and love of reading, writing, and discussion. *The majority of reading is done outside of class, on the student's own time.* In addition to the literary works and literary analysis papers assigned during the year, AP Literature students will be given 2 novels to read over the summer prior to the first day of class. The reading must be complete and reading logs submitted on the first day the class meets. Students qualifying for and doing well in AP Literature will improve their chances for being selected by the college of their choice and may possibly qualify for exemption from introductory English courses at college.

AP UNITED STATES HISTORY

Year-long Class

11

Prerequisite: **Consent of instructor**. Students are responsible for AP exam fee.

The Advanced Placement United States History curriculum meets all the learner outcome requirements stated in the United States History curriculum guide. However, Advanced Placement is an elective that students may choose to substitute for their history credit and is subject to a standardized exam at the conclusion of the course. AP U.S. History will require parent permission, consent of instructor and a fee to cover the cost of the final examination. The students will receive college credit upon successful completion of the final examination. NOTE: Not all colleges will grant credit for AP U.S. History. Check with the college or the high school counselor to be sure.

AIDES

LIBRARY AIDE

Semester Class or Year-long Class (1/2 Credit/semester)

10-11-12

Any student wishing to assist in the library must apply in person to the librarian. There will be one assistant each period. A letter grade and 1/2 credit will be given. Assistants will be instructed in their duties and responsibilities, which will include the following: 1) to be able to carry out circulation procedures accurately and neatly. This includes checking materials in and out, working with passes, and other clerical duties. 2) To be willing to learn and complete other assigned tasks as directed. This includes filing, shelf reading, shelving books, and library organization. 3) To be able to conduct themselves in a friendly, but businesslike manner with students and faculty. This also includes setting a good example of how to act in the library center as well as watching for developing problems. 4) To give assistance to students and faculty within the limits of their knowledge. This includes knowing the general layout of the library and acting as a guide. 5) To direct students and faculty to the librarian for further assistance.

OFFICE AIDE

Semester Class or Year-long Class (1/2 Credit/semester)

10-11-12

Any sophomore, junior or senior student wishing to assist in the Main Office must apply in person to the main secretary. Office aides will earn 1/2 credit per semester and receive a grade (which is not calculated into the G.P.A.). Aides duties and responsibilities include: 1) To answer the phone in a businesslike manner, know how to handle all incoming calls. This includes transferring calls and taking accurate messages. 2) be able to conduct oneself in a businesslike, friendly and helpful manner. 3) To give assistance to students, staff and public within the limits of their knowledge and to direct them to secretaries, counselors, teachers, or Principals for further assistance. 4) To carry out clerical tasks, such as copies, retrieving supplies, delivering messages, etc.

TEACHER AIDE

1 Semester (No Credit)

11-12

Prerequisite – Application through counselor

This experience consists of assisting a teacher during their preparation period or assisting in a lab or shop class during a period of instruction. A student in this situation will be under close supervision at all times and will work with the teacher in preparation of teaching materials and lab or shop clean-up or preparation. A student may sign up for only one teacher aide position per semester. Teachers can only have one aide per semester. If you are interested in being a teacher's Aide please sign up for a study hall. You must talk to the Assistant Principal and the teacher to be considered for approval.

Teacher Aide Guidelines:

- § Teacher aides must have at least a 2.5 cumulative GPA and cannot have an F in any class during the current or previous quarter.
- § Teacher aides are not allowed to work on the teacher's computer
- § Teacher aides cannot grade work with names on the papers
- § Teacher aides will follow all attendance guidelines
- § Teacher aides are not allowed to leave campus without prior administrator approval

AGRICULTURAL EDUCATION DEPARTMENT

AG ED I Introduction to Agriculture

Yearlong course

9-10

Maximum enrollment: 16 students

Students will study topics related to FFA and agricultural education, have the opportunity to attend FFA functions, and try several different Career Development Events, as well as become proficient in parliamentary procedure. Other topics covered are: animal science including breeds, terms, anatomy, and livestock evaluation. Students will learn safe shop practices, woodworking, basic welding & metal fabrication, public speaking, basic principles of agricultural and personal finance, and introductory plant science. Students will be responsible for paying for or providing their own project materials. Class time will be divided between classroom instruction and hands-on lab activities.

AG ED II Intermediate Agriculture

Yearlong Course

10-11-12

Prerequisite(s): AG 1 or instructor approval

Maximum enrollment: 16 students

Students will cover topics in rangeland management, plant identification, and stocking rate calculations, as well as food science, meat evaluation and grading, and agricultural construction. In the spring, students will explore topics in horticulture, floriculture, greenhouse management, pest management, marketing, agricultural machinery management and operation, surveying, plumbing, concrete, electrical wiring, and hydraulic principles.

AG ED III Advanced Agriculture

Yearlong Course

Prerequisite(s): AG I & II or instructor approval

Maximum enrollment: 16 students

11-12

This class will study advanced animal science topics including genetics, natural and artificial reproduction methods, performance data, reproductive anatomy and physiology; overviews of the digestive, nervous, skeletal, muscular, and circulatory systems of livestock animals. Other topics covered include welding, CNC machining, metal fabrication, agricultural and personal finances, budgets, balance sheets, net worth statements, loans, amortization, partial budgets, cost-benefit analyses, commodities marketing, agricultural issues, and case studies in agricultural law. Students will be expected to write and deliver a 6-8 minute speech on a relevant and timely agricultural topic. Finally, students will either complete a comprehensive final project or complete an agricultural internship during the last 4-6 weeks of the course. Class time will be divided between classroom instruction and hands-on lab activities.

AG MECHANICS

2nd Semester Course

Prerequisite(s): AG 1 or instructor approval

10-11-12

Maximum enrollment: 16 students

This course will cover the following topics: household and automotive electrical wiring, small gas engine (2 & 4 cycle) operational theory and maintenance, automotive maintenance (including but not limited to: lubrication, driveline, transmissions, electrical, and diagnostics), hydraulic principles, and welding. Students will complete a project related to one of the areas covered in the course, and are responsible for their own materials. Class time will be divided between hands-on lab activities and classroom instruction.

ANIMAL & VETERINARY SCIENCE

Semester Class

Prerequisite: AG 1 or Instructor Approval

10-11-12

Maximum of 16 students

This course is a study of the basic fundamentals of animal and livestock production and selection. Principles of anatomy & physiology, reproduction, estrus cycles and breeding, artificial insemination and embryo transfers, feeds & nutrition, digestion, common livestock diseases: prevention, vaccinations, and treatment and current animal husbandry practices will be covered. Class time will be divided between classroom instruction, guest speakers, field trips and laboratory instruction.

NATURAL RESOURCES, FISH & WILDLIFE MANAGEMENT

Maximum enrollment: 16 students

1st Semester Course

10-11-12

Prerequisite(s): AG 1 or instructor approval

This course will cover topics in forestry management, tree identification, timber cruising, GPS & traditional mapping, fish identification, anatomy, and management, wildlife species identification and management, as well as rangeland management. Other topics will include history and legislation of natural resources management and careers in natural resources –related fields. Class time will be divided between classroom instruction, guest speakers, field trips, and outdoor lab activities as weather permits.

WELDING & METAL FABRICATION Concurrent Credit see page 14

ART DEPARTMENT

ART 1A-INTRODUCTION TO ART 1

Fall Semester Class

9-10-11-12

Prerequisite: None- Priority to Upper Classmen

Maximum Enrollment: 18 students

Basic Drawing Skills: An introductory course in art emphasizing drawing skills along with some basic painting techniques. Pencil, pen and ink, chalk and oil pastels, colored pencils, and printmaking are some of the media we will use. The Elements and Principles of Art will be discussed in depth. At various intervals, exploration in 3-dimensional design using various types of clay will be covered.

ART 1B-INTRODUCTION TO ART 2

Spring Semester Class

9-10-11-12

Prerequisite: None- Priority to Upper Classmen

Maximum Enrollment: 18 students

Color Theory: This course emphasizes the use and understanding of the color wheel. Assignments will be given on color schemes, color to portray emotions, color mixing and blending, one and two point perspective, art history, and also group projects. We will use colored pencils, marker, and acrylic as media, along with clay and other 3 dimensional materials throughout the course of the semester. Students should be aware that this second section of Art I requires a grade of C or higher and a sincere interest in improving their art awareness and skills.

ART 2A-INTERMEDIATE ART 1

Fall Semester Class

10-11-12

Prerequisite: Art 1A and/or 1B with grade of B or higher

Maximum Enrollment: 20 students

Beginning Painting: This course is offered to students who have demonstrated a high degree of interest in Art I. Emphasis will be placed on learning the different methods and techniques of using various painting mediums such as watercolor and acrylic and also mixed media. Portraits, detail still life, landscapes, various art movements, social justice issues, as well as contemporary subject matter will be used. Sculpture methods, such as wire, clay, and casting will also be explored in this section.

ART 2B-INTERMEDIATE ART 2

Spring Semester Class

10-11-12

Prerequisite: Art 1A and/or 1B, preferably 2A with a grade of B or higher

Maximum Enrollment: 20 students

Multimedia: This course is designed to acquaint the student with the techniques of multimedia. Methods of applying and combining different mediums will be the focus of the majority of the semester. Some 3-dimensional projects will be incorporated in this section, which include clay sculpture, casting, hand built pottery, and mosaics. Creativity, originality, motivation, self-expression, and willingness to think outside of the box are a requirement for this course.

ART 3A & 3B

Semester Class-3A Fall Semester, 3B Spring Semester

10-11-12

Prerequisite: Art 1A and/or 1B, 2A and/or 2B with grade of B or higher, instructor approval

Maximum enrollment: 20 students

Advanced Drawing, Painting, and Sculpture: This course is developed to meet the needs of those students who have completed Art Fundamentals 1A, 1B, 2A, 2B, and 3A and received a B or above grade. The course will seek to challenge the efforts of advanced artists. Various lessons of oil painting, watercolor, drawing, sculpture, and printmaking will be given at an advanced level. Emphasis will be on effectively integrating technical skill (objective for Art 1 and Art 2) with developing original concepts and composition as well as personal style and individual statements in expression. The focus will be quality, not quantity while successfully meeting set deadlines and requirements.

ARTZ 101-ART 4A-PORTFOLIO 1

Fall Semester Class

11-12

Prerequisite: Art 1A and/or 1B, 2A and/or 2B, 3A, 3B w/grade of B or higher, **instructor approval**

Maximum enrollment: 20 students

The course will seek to challenge the efforts of advanced artists. Emphasis will be on effectively and consistency implementing the elements and principles of art with originality, personal style and process, conveying concept, and individual statements in expression. The focus and expectation will be quality, not quantity while successfully creating original pieces of artwork. Meeting specific deadlines, completing written artist evaluations and reflections, analysis of various art movements, as well as verbally communicating your ideas and process through group critiques will be required throughout the semester.

The students will focus on creating a self-developed portfolio that can be used for admittance to college and also for scholarships. Prior to beginning any of the pieces of artwork, the student and I will decide what aspects of their portfolio they are lacking, for example, watercolor, oil, sculpture. Throughout the course of the semester, the student will produce pieces that will help develop their portfolio.

ART 4B-PORTFOLIO 2

Spring Semester Class

11-12

Prerequisite: Art 1A and/or 1B, 2A and/or 2B, 3A, 3B w/grade of B or higher, **instructor approval**

Enrollment: Students are placed in an Art 1B, Art 2B, Art 3B, or ARTZ 231 class period depending on their schedule due to not having a set ART 4B-PORTFOLIO 2 designated class period.

Portfolio and Resume: In order to enroll in this course, the student must complete Art 4A. Throughout the semester, the students will continue to produce projects for their portfolio. After production is complete, the students will be required to present a complete portfolio, which will include the following:

1. 10 high quality digital images of their original work
2. Corresponding image guide
3. Artists statement

One quarter will be based on art production and organization, and the other will be on the actual portfolio. Each aspect of the art portfolio will be explained in detail throughout the duration of the semester and any assistance needed with scholarships will be provided.

ART INDEPENDENT STUDY 1 AND 2

Semester Class

11-12

Prerequisite: **Instructor Approval**

Enrollment: Students are placed in an Art 1B, Art 2B, Art 3B, or ARTZ 231 class period depending on their schedule due to not having a set ART INDEPENDENT STUDY 1 AND 2 designated class period.

This class is only for juniors and seniors. The student will be expected to demonstrate a high degree of interest in developing his/her own work and be able to work independently. Students will be required to create a list of objectives for the semester prior to signing up for this course.

ARTZ 231-CERAMICS

2nd Semester class

11-12

Prerequisite: **Instructor approval**

Maximum enrollment: 10 students

Introduces basic forming skills, glaze techniques, and firing processes with emphasis on craftsmanship and aesthetic judgment. Students will gain manual and technical skills in clay, along with comprehension of three dimensional spatial, aesthetic, and functional considerations. Introductions and demonstrations of different hand building and wheel throwing techniques will be covered in depth. Self-motivation and daily participation is a necessity.

*Due to limited enrollment, priority will be given to students taking the class for concurrent credit.

ARTZ 101 ART FUNDAMENTALS Concurrent Credit see page 12

ARTZ 231 CERAMICS Concurrent Credit see page 12

BUSINESS/COMPUTER DEPARTMENT

COMPUTER APPLICATIONS I

Semester Class

9-10-11-12

Max Enrollment: 20 Students

This course is necessary in order to take the other computer courses described below.

Computer Applications I is designed to teach the fundamental skills and concepts necessary to become proficient in Microsoft Word and PowerPoint. Using Word students will learn to create a variety of professional type documents including signs/flyers, reports, bibliographies and business letters/cards. PowerPoint will also be used to teach students to create high quality and powerful presentations.

This course is a great introduction to using technology at BCHS and will provide students with many of the basic computer skills that will help them succeed throughout high school. The concepts and skills taught will give students the ability to easily integrate technology into projects and homework in all discipline areas. This class follows the curriculum required to become Microsoft Certified in Microsoft Word and PowerPoint. Students in this course will also use an EduTyping program that will review good keyboarding skills and increase efficiency through typing.

COMPUTER APPLICATIONS II

Semester Class

9-10-11-12

Max Enrollment: 20 Students

Prerequisite: Computer Applications I with a 60% or higher

This course is designed to introduce students to Microsoft Excel. Excel is a spreadsheet program that will enable students to communicate, manage and analyze data effectively. Students will use spreadsheets to plan, format, manage, analyze, chart, create basic functions and calculate data. The Excel curriculum follows the Microsoft Office Specialist Certification Standards.

DESKTOP PUBLISHING

Semester Class

9-10-11-12

Max Enrollment: 20 Students

Prerequisite: Computer Applications I with a 60% or higher in last computer class.

Desktop Publishing is a fun course designed to teach students about the basics surrounding print design. Students will use Microsoft Publisher, Adobe InDesign and Photoshop to manipulate, design layouts and graphic elements that incorporate both text and graphics. Students will be introduced to the fundamentals of layout, graphic design, color theory, typography and picture editing. Student projects will include, but are not limited to posters, newsletters, brochures, business cards, graduation announcements, calendars and letterheads.

PLEASE NOTE:

This class involves the use of pictures that the student will be responsible for providing...these pictures can be taken from the Internet (with APA citations), brought from home, scanned and/or taken with a personal or school digital camera.

ACCOUNTING

Year-long Class

11-12

Prerequisite: Second Semester enrollment requires a 60% or better average in first semester.

Accounting is the language of business. Any student planning to pursue a business degree/career would benefit from this class. Students study accounting principles as they apply to maintaining records of a small business as well as personal finances. This course also provides a foundation and understanding for budgets, check writing, balancing bank statements and focuses on money management.

FAMILY AND CONSUMER SCIENCE DEPARTMENT

Students taking classes in this department will learn core knowledge and skills that prepare them for independent living and the workforce, therefore increasing personal, family and community well-being. In today's society, there are more two-career families than ever before, and personal bankruptcies have risen over 400 percent in the past 25 years. Family and Consumer Sciences can give individuals the practical knowledge, critical and creative thinking skills to address problems in diverse family, community and work environments. Freshmen should begin classes in this department by taking **FACS I**. Freshman may take **Fabric Arts** second semester. Sophomores, juniors and seniors may begin with any course.

FACS – FAMILY AND CONSUMER SCIENCE

Prerequisites: NONE
Maximum enrollment: 20 students

9-10
Offered 1st Semester

This course provides students the opportunity to learn foundation skills for living in areas of food preparation and nutrition, family living, personal responsibility, communication, consumer decision-making, relationships, career exploration, etc. Students will find this a fast paced and active class which may include an intra-curricular FCCLA (Family, Career and Community Leaders of America) chapter to teach leadership skills and practice community service.

CHILD DEVELOPMENT

Prerequisites: None
Maximum enrollment: 20 students

10-11-12
Offered 1st Semester

A course essential for any student interested in working with children in the future. Information, attitudes and skills useful for early childhood or elementary teachers, social workers, nannies, future parents, etc. are emphasized. Parent readiness, prenatal and child development, and parenting skills and philosophies will be explored. The "Baby Think It Over" computerized baby is utilized for a short time in this class. Other topics covered might include birth defects, family issues, and career opportunities in the Early Childhood Field.

EARLY CHILDHOOD PROFESSIONS

Prerequisites: Child Development
Maximum enrollment: 20 students

10-11-12
Offered 2nd Semester

An occupational course that will prepare students to enter the work force directly, or for higher education in this field. Students will explore the employment opportunities in early childhood care and education, will learn to identify and implement developmentally appropriate practices in childcare, will create activities and lessons for children in daycare or preschool, will analyze and design appropriate learning centers and spaces, and will develop a personal philosophy of Early Childhood Education. This class will include approximately 3 days per week in-class instruction and 2 days per week working in a Daycare or Early Childhood Education volunteer work experience.

FABRIC ARTS

Prerequisites: None
Maximum enrollment: 20 students

9-10-11-12
Offered 2nd Semester

A course designed to combine several levels of expertise in the fiber and textile arts fields. Students will find creative opportunities to work with fabric, including dyeing, photo transfer, quilting, perhaps weaving, rug-making, needle work, etc. Creative and technical skills using sewing machines, sergers, and embroidery machines will be learned or improved. Hands-on activities will utilize color theory and design principles. May be taken more than one time to expand upon skills and explore additional creative, artistic opportunities in working with fibers and fabrics.

CULINARY ARTS 1

Prerequisite: None
Maximum enrollment: 20 students

10-11-12
Offered 1st Semester

The beginning course in the Hospitality and Tourism Cluster (Food Service Management Career Pathway). This lab oriented class will introduce students to the field of Culinary Arts. The coursework includes information on career possibilities and post-secondary training in the Culinary field, customer service and food safety and sanitation issues, as well as many lab activities in food preparation and nutritious meal planning. Skills in food preparation this semester will include basic baking, fruits and vegetables, simple soups, salads and main dishes as well as eggs and dairy foods, and study of regional foods. This is the class that may serve as the foundation for the ProStart Classes **or** will give students a basic knowledge to cook for themselves and others as they go out to live independently. A Serv-Safe Food Handler Certificate may be earned in this class.

CULINARY ARTS 2

Prerequisite: None
Maximum enrollment: 20 students

10-11-12
Offered 2nd Semester

This class is another beginning class for the Food Service Management Career Pathway. This class also addresses careers and training for the Food Service Industry including Serv Safe Food Handler Training. The many varied lab activities will include skills in garnishing, baking of breads, various cooking methods for meats, stocks, soups and sauces, pies and pastries and study of foods and cultures from other countries. Work skills for customer service, time and resource management will be emphasized for the Food Service workplace, as well as for use in living independently.

CULINARY ARTS 3

Prerequisite: None
Maximum enrollment: 20 students

11-12
Semester Class

This class will focus on nutritional cooking and learn about living a healthy lifestyle. Students will get a foundational overview of what it truly means to eat and live clean. Coursework will include basic nutrition theory that will show you how to read nutrition labels like a pro, eat better for improved digestion, good mood and mental clarity as well as perfectly balance protein, carbs and fat for all-day energy and weight management. Plus you'll finally get to the bottom of the right and wrong fats for disease prevention and weight loss. Students will explore fad diets and different health lifestyles currently on the market. Students will use a hands on approach to cooking in small groups and working on different interactive projects throughout the semester.

FINANCIAL /INDEPENDENT SURVIVAL

No prerequisites
Maximum enrollment: 25 students

11-12
Semester Class

This class is a **MUST** before exiting high school. Teens spend over \$155 billion a year, illustrating the point that teens have access to a large amount of expendable income. However, Montana statistics show that the average student is exiting college with at least \$19,000 in debt. This class will let students explore many aspects of financial literacy, and will prepare them for the challenge and adventure of living independently. Special projects include planning for post-secondary costs, use of credit, buying a car and determining maintenance costs, and the realistic simulations of the **STOCK MARKET GAME** and **LIFE IN MONTANA**.

FOREIGN LANGUAGE DEPARTMENT

SPANISH I

Year-long Class

9-10-11-12

Prerequisite: Desire and curiosity to learn about another culture and language. No prior knowledge of Spanish language required.

Spanish I is a basic introduction to the language and the various modes of communication including Interpersonal (speaking, writing), Presentational (writing, speaking) and Interpretive (listening, reading). Students practice and are assessed at the Novice level (see school website for more information on proficiency assessment) in topics including food, family, school, holidays, clothing, and other familiar topics in the context of the various cultures of Spanish-speaking populations. Class is conducted in Spanish the vast majority of the time. Students are required to demonstrate proficiency in the Level 1 standards and pass the 1st semester with a minimum C average to proceed to the second semester. Students must demonstrate proficiency in the Level 1 standards and pass the 2nd semester with a minimum C average to enroll in Spanish II.

SPANISH II

Year-long Class

10-11-12

Prerequisite: Students must demonstrate a proficiency in the Level 1 standards at the end of the 2nd semester of Spanish I (C average).

Spanish II revisits themes covered in Spanish I in greater depth and explores new topics to expand vocabulary, grammar, the different modes of communication, and cultural competence. Students practice and are assessed at the Intermediate Low to Intermediate Mid level, and growth in all modes (Interpersonal, Presentational, and Interpretive) is reinforced. Students begin to produce and practice original language instead of relying on memorized words and phrases. Class is conducted in Spanish the vast majority of the time. Students must demonstrate proficiency in the Level 2 standards and pass the 2nd semester with a minimum C average to enroll in Spanish III.

SPANISH III/HONORS SPANISH

Year-long Class

11-12

Prerequisite: Students must demonstrate proficiency in the Level 2 standards at the end of the 2nd semester of Spanish II (Recommended to have an A or B average from Level II).

Spanish III introduces and practices more advanced vocabulary, grammar, conversation, and composition skills. Students will practice and be assessed at the Intermediate Mid to Intermediate High level and are expected to produce authentic language and be able to engage in conversations with peers and instructor. The different modes of communication (Interpersonal, Presentational, and Interpretive) will be practiced and strengthened through thematic units and projects using culture, history, current events, etc as context.

SPANISH IV

Semester or Year-Long Class

12

Prerequisite: Students must demonstrate proficiency in the Level 3 standards at the end of the 2nd semester of Spanish III (Recommended A or B average from previous Spanish classes)

Students in Spanish IV will participate and interact in a wide variety of authentic language use across the modes of communication including Interpersonal (speaking, writing), Presentational (writing, speaking) and Interpretive (listening, reading). Students will practice and be assessed at the Intermediate High to Advanced level depending on their proficiency and goals. Topics of study and practice will include study and analysis of authentic texts (literature, drama, poetry, etc) interaction with native speakers, and in-depth discussion of history, current events, and cultural topics.

ESL (STUDY HALL) Independent Study

9-10-11-12

This class is for English language learners who have little or no English background. The basics of phonetics, reading, writing, and speaking skills are taught using technology, on-line classes, and written and oral materials in class. Students enrolled in this class are graded on a Pass/Fail basis.

*Foreign Language is not a Fine Arts Class

INDUSTRIAL ARTS/TECHNOLOGY DEPARTMENT

WOOD I

Year-long Class

9-10-11-12

Prerequisite: None

Maximum enrollment: 16-20 students

This class offers the student an introductory look into power machine operation and wood working. Students will learn operational, workplace and personal safety. Skills will be taught through hands on and text book activities and projects.

WOOD II

Year-long Class

10-11-12

Prerequisite: Wood I

Maximum enrollment: 16-20 students

In this class the students will apply skills from Wood I to build advanced projects. Students must have safe working skills and be willing to supply materials for an advanced wood working project.

WOOD III

Year-long Class

11-12

Prerequisite: Wood I and Wood II

Maximum enrollment: 16-20 students

The advanced wood project class offers the advanced woods student the opportunity to branch off and specialize in an area in wood working that is most interesting to that student. Each student must meet with the instructor to custom make his or her course syllabus, assessment and grading criteria. The student must be in good standing in other IT classes and have passed Wood I and Wood II.

INDIVIDUAL ADVANCED WOOD CONSTRUCTION

Year-long Class

11-12

Prerequisite: Wood II or Instructor approval

The advanced wood project class offers the advanced woods student the opportunity to branch off and specialize in an area in wood working that is most interesting to that student. Each student must meet with the instructor to custom make his or her course syllabus, assessment and grading criteria. The student must be in good standing in other IT classes and have passed Wood I and Wood II. There will be an emphasis on expanding and improving student skills and quality of work in this class. All state standards are met through individual conference and lessons through the semester. This is a challenging course intended to meet the needs of students wishing to move on to post-secondary education.

CONSTRUCTION TECHNOLOGY Concurrent Credit see page 13

LANGUAGE ARTS DEPARTMENT

ENGLISH I

Year-long Class
Prerequisite: None

9

This is a year-long course that emphasizes reading. The student will also be required to use the writing process in conveying his/her thoughts, opinions, and reactions to literature. Spelling and vocabulary skills are also emphasized. The student will also become familiar with the basic grammar and mechanics of his/her language and illustrate this knowledge through the writing process.

ENGLISH II

Year-long Class
Prerequisite: English I

10

English II will provide the student with a complete grammar, composition and literature environment. They will become familiar with a variety of literature representing both fiction and nonfiction and various cultures. The oral language program will teach listening skills and allow the student to freely express individual attitudes and opinions. Writing communication skills will provide an opportunity for the student to communicate freely and creatively with proper skills which enhance his writing.

ENGLISH III-COMP.

Semester Class
Prerequisite: English II

11

English III will provide the student with writing, speaking, listening, and reading skills. The oral language program will teach listening skills and allow the student to freely express individual attitudes and opinions. Writing communication skills will provide an opportunity for the student to communicate freely and creatively with proper skills which enhance his writing. English III should provide information and review for an overall language arts program which allows and "average" student to achieve a high enough score on any college entrance examination to gain admittance to an American college. Grammar provided through examination of proper sentence arrangement and construction for both writing and speaking. More complex grammatical rules and usages will allow the student to develop more mature and interesting sentences and thoughts. Basic elements of research writing are introduced and practiced in an MLA-style paper. This paper provides a model for senior English and Government papers.

ENGLISH III-LIT.

Semester Class
Prerequisite: English II

11

This course explores the major forms and types of literature that have been a part of our American Heritage. Included will be a study of the major literary figures who can be considered as classical authors in their field. The method of study will feature biographical sketches, historical background, group discussion, testing, and analysis of videos which pertain and add to the subject matter. Also included will be a study of various literary contributions from ethnic authors who have achieved national recognition, including some of the more modern writers.

ENGLISH IV-COMP.

Semester Class
Prerequisite: English III

12

The instructor will present material using lecture, demonstration, reading, and audio-visual media. Students will participate by completing homework assignments, participation in small and large group activities, taking notes, keeping a journal, sharing writing with the class, as well as other speaking, writing, and editing activities. This course also uses a supplementary text called The Longman Reader which is a composition guide to writing and sentence structure similar to a text used by college Freshmen. The major assignment in this class will include the research paper design following the MLA (Modern Language Association) guidelines used in most colleges and universities.

ENGLISH IV-LIT.

Semester Class

12

Prerequisite: English III

This course uses a text called England in Literature. It is a complete study of literature presenting a survey of British writers from beginning to present times. This edition includes Macbeth by William Shakespeare. The reading is complemented with student writings from the chronological units of the book. We will study five major works which will reflect five major themes. Also there is a study of short stories, poems, and essays that fall into these theme areas. We prepare five major papers and do follow-up writing.

HONORS ENGLISH

Year-long Class

9

Prerequisite: Self-motivated freshman student with teacher recommendation, an acceptable writing sample, and understanding of grammar/usage and figurative language demonstrated on a pre-test.

This is an accelerated course that covers English I and English II concepts. It will include Greek/Latin roots, grammar, composition, and literature, as well as speaking and listening skills. The majority of the novel reading will be done outside of class, on the student's own time.

*After the completion of this class students will be enrolled in English III as 10th graders, English IV as 11th graders and AP English as 12th Graders. Once students begin in Honors English, they MUST continue on this path: English III, English IV and AP English.

YEARBOOK

Year-long Class

9-10-11-12

Prerequisite: Class size is limited to 15 students.

The purpose of yearbook is to produce THE BEAVERTALE, an annual publication detailing the activities of students of Beaverhead County High School. The majority of the first quarter will be spent designing layout, publication terminology, raising sponsorships and journalistic skills. Students will be assigned specific pages and/or events for which they will be responsible for compiling a layout to cover that event/subject through reporting, photographs and desktop design. Desktop publishing software will be used. Students must be able to devote time outside of class--especially in the spring.

PUBLIC SPEAKING/BASIC DRAMA

Semester Class

9-10-11-12

Prerequisite: None

This semester class would involve approximately 8 weeks of each genre. This course is designed to provide students with communications skills. The course will cover listening, speech preparation, speech writing, speech delivery, and speech presentation. Students will have both formal and informal speaking opportunities so they may learn to communicate.

This course is designed to develop student's creative abilities and talents in acting. The course will cover the development of performance skills, interpretations for the single performer, and interpretations with several performers. Students will implement various appropriate performance techniques.

AP-ENGLISH-LITERATURE, LANGUAGE, AND COMPOSITION see page 15

WRITING 101- Concurrent Credit see page 13

MATHEMATICS DEPARTMENT

PRE- ALGEBRA

Year-long Class

9

Prerequisite: None

Pre-Algebra students will relate and apply algebraic concepts to geometry, statistics, data analysis, probability, and discrete mathematics. The student will solve equations, inequalities, and real-life application problems. Students will refine arithmetic skills and prepare for Algebra I on completion of this course. Grades 10-12 on teacher approval.

ALGEBRA I

Year-long Class

9-10-11-12

Prerequisite: None

Algebra I includes the study of: integers, polynomials, equations (linear and quadratic), inequalities, and graphing. Mastery of these skills provides a background needed for Algebra II.

GEOMETRY

Year-long Class

9-10-11-12

Prerequisite: Algebra I

This course is designed to give a general overview of plane and solid geometry, covering these areas:

1. Properties dealing with lines and angles.
2. Triangles, quadrilaterals, and regular polygons.
3. Ratio, proportion, and similarity.
4. Right triangles and trigonometry.
5. Circles.
6. Area and volume.
7. Transformations

ALGEBRA II

Year-long Class

10-11-12

Prerequisite: Geometry, Algebra I

Algebra II reviews and expands on topics presented in Algebra I and Geometry. The students will also be introduced to more advanced concepts including polynomial equations, irrational & complex numbers, quadratic equations and functions, basic analytic geometry concepts and exponential and logarithmic functions. Students who plan to attend college are required to have Algebra II.

INTEGRATED MATH 3

Year-long Class

11-12

Prerequisite: Algebra II

Practical Math is a college preparatory class consisting of applied math problems and focusing on required math concepts for the normal college student. This class is offered as an option for post Algebra II students that do not need pre-calculus.

PRE CALCULUS

Year-long Class

11-12

Prerequisite: Algebra II

Pre-Calculus is a college preparatory class consisting of: analytic geometry advanced graphing techniques, properties of functions, a treatment of inequalities, analysis of conic sections, exponential and logarithmic functions and their applications, and a full course of trigonometry. Polar graphing, sequences and series and an introduction to statistics may also be included as time permits. A graphing calculator comparable to the TI-82 is used extensively and is recommended for purchase by the student. Students planning on taking this course should have a solid background in Geometry and Algebra II.

CALCULUS

Year-long Class

Prerequisite: Pre-Calculus

12

This course expands concepts taught in Pre-Calculus. New topics include limits, integrals, derivatives, and series. A very strong background in algebra is required.

MUSIC DEPARTMENT

TREBLE CHORUS

Year-long Class

9-10-11-12

Prerequisite: Must be able to match pitch.

Second Semester-1st semester Choir Participation or consent of instructor

Membership in the Treble Chorus is open to all treble voices, so long as the student can match pitch, with yearlong participation expected. Through the performance of Choral Literature students will become acquainted with music of many styles and time periods. Vocal technique is stressed along with sight singing skills and reading of music notation. Participation in concerts and district music festival is **REQUIRED**. This course partially fulfills the fine arts credits required by Montana Universities.

MEN'S CHORUS

Year-long Class

9-10-11-12

Prerequisite: Must be able to match pitch

Second Semester-1st Semester Choir Participation or consent of instructor

All men, who can match pitch, are eligible for this class with year-long participation expected. Music of various styles and time periods will be performed. Proper vocal technique, singing skills and music reading skills will be studied. Men who demonstrate proper vocal production and good character are encouraged to participate in the extra-curricular Mixed Ensemble in collaboration with the Teen Tones. Participation in concerts and district music festival is **REQUIRED**. This course partially fulfills the fine arts credits required by the Montana Universities.

TEEN TONES

Year-long Class

10-11-12

Prerequisite: Audition

This select ensemble of treble voices is chosen by audition and will be comprised of no more than sixteen members. More advanced literature will be studied than in the Treble Chorus with higher expectations in musicianship, performance ability and character. The repertoire studied will be representative of the various time periods and styles. Continued emphasis on proper vocal technique, music reading and sight singing will be maintained. Teen Tones will participate in the extra-curricular Mixed Ensemble in collaboration with Men's Course. Members must be available for extra-curricular performances and rehearsals, concerts by the department, music festivals and year-long participation. This course partially fulfills the fine arts credits required by the Montana Universities.

SYMPHONIC BAND

10-11-12

Year-long membership is expected. Consent of instructor to enter second semester.

Prerequisite: 1 or more years of experience on instrument or consent of instructor.

INTERMEDIATE BAND

9-10-11-12

Year-long membership is expected. Consent of instructor to enter for second semester.

Prerequisite: 1 or more years of experience on instrument or consent of instructor.

Symphonic Band and Intermediate Band are a continuation of the band classes students have already been involved with at the high school or beginning level. New students will be admitted by the consent of the instructor only. Students will be expected to meet minimum performance standards that are sequentially structured. Grades are derived from rehearsal participation, performance participation, playing tests, and written tests and practice requirements. Performances to include the following B Concert Band Festival, District Music Festival, 3 to 4 concerts, SMIBF, and Pep Band, of which most are optional. There will be times where Pep Band is required due to playing conditions.

JAZZ BAND

10-11-12

Year-long membership is expected. Consent of instructor to enter for second semester on an as needed basis.

Prerequisite: 1 or more years of experience on woodwind, brass, or percussion instrument.

Restricted enrollment. Permission of Instructor and audition required to gain entry in the Jazz Band. Students will form a jazz band and pursue the study of jazz styles including big band, standards, swing, bebop, fusion, rock, and funk. In addition to jazz, students will be expected to learn the pep band and concert band music. Pep Band participation is **expected** of these students as they are the core of the Pep Band.

HISTORY OF ROCK AND ROLL

Semester or Year-long Class

9-10-11-12

Prerequisite: None

Instructor encourages full year class. Semester 1 will include Rockabilly to Woodstock, Semester 2 includes 1970's through present. A study of the roots, components, and development of the musical art form "Rock and Roll." Students will study significant performing artists and movements with the style identified and presented. The course will include traditional lecture with use of audio and visual aids. Assessment will be by class participation, quizzes, and tests. A passing grade at the end of first semester will be required to continue on to the next semester.

PHYSICAL EDUCATION DEPARTMENT

HEALTH ENHANCEMENT I FOR MEN

Year-long Class

9

Prerequisite: None

They will be introduced to a variety of activities throughout the year. Emphasis will be placed on participation and the development of the basic skills. Our main goal will be to improve the health-related areas of physical fitness.

The health curriculum seeks to educate the student regarding the importance of a healthy life-style. The health curriculum incorporates the physical, mental, and emotional aspects of a wellness model in preparing a variety of health related topics. Students will be faced with important health issues throughout their lifetime. This curriculum emphasizes current issues, critical thinking skills, and responsible decision making.

HEALTH ENHANCEMENT I FOR WOMEN

Year-long Class

9

Prerequisite: None

Freshmen women will be introduced to various fitness activities which will include but not be limited to circuit training, yoga, pilates, zumba, kickboxing, turbo fire, just dance and weight training. In addition the use of fitness equipment such as the treadmill, elliptical trainer, spinning bike, stability ball, and body bars will be utilized. Our goal will be to increase basic skills and promote knowledge and appreciation of these fitness activities as well as sport activities such as tennis, volleyball, softball, flag football, badminton, golf, basketball, ultimate Frisbee, team handball, bowling and swimming.

The health course is designed to help students examine their life styles, select goals, and make choices that will help them maintain optimum health throughout their lives. The curriculum will emphasize fitness concepts including designing their own nutritional, weight training, cardio respiratory and flexibility programs. In addition, it will cover personal well-being including stress management and sleep, alcohol/drug abuse, infectious and non-infectious diseases.

HEALTH ENHANCEMENT II FOR MEN

Year-long Class

10 (11-12 if spots available)

Prerequisite: Health Enhancement I (open to 10th graders first then may be filled with grades 11-12, per Mr. Walker's approval)

B or above grade and good to excellent dress out practices from Health Enhancement I, or Physical Fitness/Wellness Class.

Sophomore boys will have P.E. every day. They will be introduced to a variety of activities and skills. Emphasis will be placed on participation and the development of basic skills. Our main goal will be to improve the health-related areas of physical fitness.

FITNESS FOR LIFE FOR WOMEN

Semester Class or Year-long Class Women Only

10-11-12

Maximum enrollment: 20 students

Prerequisite: Health Enhancement I

B or above grade from:

Health Enhancement I or Prior Fitness for Life Class

Must have demonstrated good to excellent dress out practices from prior: Health I/II, Fitness for Life or Physical Fitness/Wellness Classes.

This course is designed to offer diversity in fitness and activities so that the student is provided more opportunity to find an activity they enjoy and will continue to participate in as they get older. Specifically designed fitness workouts for young women will pre-empt/correspond with the activity being explored so that the student will understand the physical requirements necessary to maintain fitness for the activity. Not only will the young ladies be exposed to fitness and activities specifically designed toward females, they will continue to learn and explore the benefits of their health through nutrition and well-being practices. This class is for young ladies who realize the importance of including daily exercise and nutrition in their busy schedules and are interested in staying fit. Students will be expected to participate daily in the activities and agree to the workouts in a positive manner.

Fitness workouts will include but not be limited to: Nordic Walkers, spinning, circuit training, core training, interval training, Insanity, P90X, Turbo Fire, Zumba, kickboxing, boot camp, yoga, pilates, piyo and many more. In addition, group conditioning will include strength and stabilization training, as well as kettle bell, dumbbell and body bar training. Recreational activities will include but not be limited to: Hiking, cycling, advanced volleyball, tennis, golf, swimming and kayaking.

FITNESS FOR LIFE

Semester Class or Year-long Class Co-ed

Boys (11-12), Girls (10-11-12)

Maximum enrollment: 20 students

Prerequisite: Health Enhancement I

B or above grade from:

Prior Health Enhancement I/II or Previous Fitness for Life Class

Must have demonstrated good to excellent dress out practices from prior: Health I/II, Fitness for Life or Physical Fitness/Wellness Classes.

This course is designed to offer diversity in fitness and activities so that the student is provided more opportunity to find an activity they enjoy and will continue to participate in as they get older. Specifically designed fitness workouts will pre-empt/correspond with the activity being explored so that the student will understand the physical requirements necessary to maintain fitness for the activity. This class is for students who realize the importance of including daily exercise in their busy schedules and are interested in staying fit. Students will be expected to participate daily in the activities and agree to the workouts in a positive manner.

Fitness workouts will include but not be limited to: circuit training, core training, interval training, cross fit and boot camp. In addition, group conditioning will include strength and stabilization training, as well as kettle bell, dumbbell and body bar training. Recreational activities will include but not be limited to: racquetball, tennis, golf, kayaking, rugby, advanced lacrosse, volleyball and flag football.

*Please Note -- students may not take Health Enhancement II and Fitness for Life during the same semester

PHYSICAL FITNESS/WELLNESS

Semester Class or Year-long Class

9-10-11-12

Maximum enrollment: 24 students

Prerequisite: Must have demonstrated good to excellent dress out practices from prior: Health I/II, Fitness for Life or Physical Fitness/Wellness Classes.

The class uses the combination of free weights, universal weight machines, and cardiovascular activities to improve strength, endurance, power, explosiveness, and speed. Flexibility, plyometrics, and speed training are also important aspects of the overall program. Lifting workouts will be done three or four times a week, with speed training, plyometric workouts, or other aerobic activities completed on the other days. Nutrition, drugs in sports and other sports related topics will be discussed. A variety of goals can be achieved in class: build strength and speed, gain muscle mass, gain or loss weight (depending on goals), tone muscles, improve overall condition and flexibility, improve self-confidence, improve self-esteem, and improve athletic performance.

SCIENCE DEPARTMENT

EARTH AND SPACE SCIENCE

Year-long Class

9

Prerequisite: None

This Earth Science course will attempt to provide the students with the opportunity to develop an understanding in a group of closely related sciences. Among these are geology, meteorology, oceanography, topography, astronomy and earth history. Students will be exposed to these topics through a wide variety of presentation techniques including: discussion, lecture, labs, video presentation and others. Both the information learned and the skills developed will prepare the students for any future science courses as well as in making informed decisions pertaining to many current issues and questions.

BIOLOGY

Year-long Class

10

Prerequisite: Passing grade in Earth Science

Biology will cover the four general topics of cell biology, ecology, genetics and evolution. The study of cell biology will include basic biochemistry, cell physiology and anatomy, cell homeostasis and transport and cell reproduction. The study of ecology will focus on basic ecological concepts including populations, community ecology, ecosystems, and humans and the environment. The structure of the DNA and RNA molecules, protein synthesis, gene expression and inheritance patterns will be studied during the genetics unit. Evolution will explore the theory of evolution, history of life, speciation and the classification of organisms.

ANATOMY AND PHYSIOLOGY

Year-long Class

11-12

Prerequisite: A minimum of a B grade in Biology and Earth Science and/or instructor's approval. Class size limits may apply.

This advanced biology course is designed primarily as an introduction into the study of the human body. The course deals with the anatomy and physiology of organ systems and the interactions of these systems. Topics will include problems arising when the systems malfunction and current technologies and findings associated with the human organism. In addition, drug action on the body is studied. Lab topics will support the anatomy and physiology curriculum and supply and present the basics of biotechnology.

CHEMISTRY

Year-long Class

10-11-12

Prerequisite: Biology, Algebra I

Chemistry provides a working knowledge of matter, its structure, and the reactions it undergoes. This course is taught with a constructivism approach. Rather than being told such things as how certain variables are related or how and why matter can undergo changes, students will discover these on their own through guided inquiry. This approach will also emphasize the development of formal thinking skills. Topics that students will explore include the gas laws, atomic theory, classification of matter, mole concept, periodic trends, nomenclature, chemical reactions and equations, and stoichiometry.

ECOLOGY

Year-long Class

11-12

Prerequisite: Earth Science and Biology or equivalent.

The course will consist of an overview of the major concepts in ecology, the interaction of living organisms (plants and animals) among themselves and their physical surroundings. Emphasis will be placed on the study of systems existing in southwestern Montana. Topics will include organizational divisions of natural systems, chemical and energy cycling, climate and its effects, biomass measurements and human altered systems. Labs will include actual field study techniques.

PHYSICS

Year-long Class

11-12

Prerequisites: Earth Science, Biology, Algebra II

During this course students will develop both conceptual understanding and problem solving skills related to the study of physics. A common component of this course will be guided inquiry activities which allow students to construct a correct conceptual understanding of the following topics: mechanics, energy, waves, electricity, magnetism, and introduction to modern physics.

AP BIOLOGY see page 15

APPLIED SCIENCE OF MOLECULAR TECHNOLOGY Concurrent Credit see page 12

ASTRONOMY 110 Concurrent Credit see page 12

CHMY 121- Introduction to General Chemistry Concurrent Credit see page 13

SOCIAL SCIENCE DEPARTMENT

WORLD HISTORY AND GEOGRAPHY

Year-long Class

9-10-11-12

Prerequisite: None

This course is a study of the countries and continents of the world. This full year course emphasizes the study of religion, economic activity, weather, population, political activity and climate. The history of countries is studied. Assessments are made on the historical impact of events so the student will have a better understanding of the world today. World History is a survey course that covers the major events of the world from the advent of ancient civilization to present. This course also includes a study of the world's geographic features. Comparisons of cultures and the roles they played in the development of today's world are also presented.

WORLD GEOGRAPHY

Year-long Class

9-10-11-12

Prerequisite: None

Geography is a course designed equip students with an understanding of the five themes of geography (location, place, human environmental interactions, movement and regions). Students will communicate and apply geography related skills to real world applications and learn how people create and change power structures globally and regionally. Students will be able to apply geographic knowledge to improve skills like reading maps and understanding different cultures and will understand the effects of time and continuity on historical and future perspectives. Students will also learn to make informed economical decisions from geographical economics. In addition, students will learn and understand the impact humans have on society and culture. Included is a survey of the following geographical areas: The United States, North America, South America, Europe, Russia (& outlying areas), Asia, Australia (& outlying areas), and Africa. Included in this course will also be Montana/ regional specific geography lessons.

Instructional tools for learning:

The following instructional tools are included to foster learning:

Hands-on activities, Class discussion, Group discussion and response, Newspaper, Group Presentations, Individual Presentations, Project-Based Research, Map Identification, Local field trips to study Montana geography will be included were applicable.

UNITED STATES HISTORY

Year-long Class

11

Prerequisite: None

U.S. History is a required social studies course that is offered during the junior year of high school. It is a survey course of the events that have shaped our lives. The sequence and time when it happened, who was involved and what affect it had then and how it affects us today.

AMERICAN GOVERNMENT

Year-long Class

12

Prerequisite: None

This course describes the political and legal process of the U.S. Government and relates our system with that of international systems. The structure of the various levels and branches of government in the American political system is also presented. The course also deals with current events by using weekly news magazines as a basis for discussion concerning problems in the U.S. and worldwide.

SOCIOLOGY

Semester Class

11-12

Prerequisite: None

Sociology is the study of societies, human interactions, their causes and consequences. This is an upper-level elective, recommended for college bound students. The first quarter of the course will consist of examination of diverse cultures such as Islamic, Asian and Indian. Students will learn about the Native American and Amish cultures as well. During the second quarter of the class, students will focuses on social problems in our society such as teen pregnancy, suicide, crime, substance abuse, discrimination, welfare concerns and family unit transitions. Students can expect to study controversial issues affecting Americans today through lecture, group activities, research projects and video analysis. Parental permission is required for admission to the course.

MONTANA HISTORY

Year-long Class

11-12

Prerequisite: None

A year-long class that focuses on the history and current issues facing Montana. Included in the course will be an emphasis on Montana Native American Studies as well as the geography and the diverse social and political history of Montana. The text used for this class is "Montana: A History of Two Centuries." The class will include lecture, reading, student originated projects, ie., power point, team teaching. Included in the class is a field trip to Helena.

WESTERN STUDIES

Semester Class

10-11-12

Prerequisite: None

This semester long class will examine in detail the historic events that shaped the American west, along with other cultural attributes of the old West. This course is designed to help students understand the development of the United States from 1800 to 1900 west of the Mississippi. Students will also study early Native American culture mainly in Montana. If you are interested in topics that range from the mountain man, Lewis and Clark, mining frontiers, gunfighters, the real life of the cowboy, to Indian conflicts out west then this is the class for you. Several hands on projects, field trips, and guest speakers are used in this class to help students understand various units.

PSYCHOLOGY

Year-long Class

12

Prerequisite: None

This course can be taken either first semester or for the entire year. Psychology is the study of human behavior. This is a survey course so all aspects of psychology are taught. This course provides insight into one's own behavior and an academic background on principles, theories and facts for the college bound student.

NATIVE AMERICAN STUDIES

Semester Class

10-11-12

Prerequisite: None

Native American studies is a course committed to examining the current and past experiences of the First Americans from their perspective. The class is designed to provide a study of American Indians from a humanistic viewpoint by focusing on their cultures, history, and day to day life. This course is designed for Native American and non-Native Americans so that they can better understand human similarities and differences. This class is also dedicated to the development of better communications and cross-cultural relationships.

AP UNITED STATES HISTORY see page 15

SPECIAL EDUCATION/RESOURCE ROOM

BASIC MATH 1-2

Year-long Class

9-10-11-12

Prerequisite: Evaluation and placement

The educational content is determined by the specific needs of each student and an individualized educational program is prescribed.

BASIC ENGLISH I, II, III, IV

Year-long Class

9-10-11-12

Prerequisite: Evaluation and placement

The educational content is determined by the specific needs of each student and an individualized educational program is prescribed.

BASIC EARTH SCIENCE

Year Long Class

9-10-11-12

Prerequisite: Evaluation and placement

The educational content is determined by the specific needs of each student and an individualized educational program is prescribed.

BASIC BIOLOGY

Year Long Class

9-10-11-12

Prerequisite: Evaluation and placement

The educational content is determined by the specific needs of each student and an individualized educational program is prescribed.

VOCATIONAL ED. WORK STUDY

Year-long Class

9-10-11-12

Prerequisite: Evaluation and placement

The educational content is determined by the specific needs of each student and an individualized educational program is prescribed.

BASIC STUDY SKILLS

Year-long Class

9-10-11-12

Prerequisite: Evaluation and placement

The educational content is determined by the specific needs of each student and an individualized educational program is prescribed.

BASIC INDEPENDENT LIVING SKILLS

Year-long Class

9-10-11-12

Prerequisite: Evaluation and placement

The educational content is determined by the specific needs of each student and an individualized educational program is prescribed.

BASIC HISTORY/GOVERNMENT

Year-long Class

11-12

Prerequisite: Evaluation and placement

The educational content is determined by the specific needs of each student and an individualized educational program is prescribed.

SKILLS LAB

9-10-11-12

Qualifications for service in Skills Lab (Title I) are based on a prioritized list. Top priority is given to students who have the most points on the list. Points are given for teacher, student and parent referrals and semester failures of core classes. Juniors and Seniors need more points to qualify. All students who qualify are given the option of enrolling.

This program consists of an enrichment portion where the four areas of concern (reading, English, math and study skills) are given specific emphasis. The remainder of the class period is spent working on homework, studying for tests and reinforcing good study skills. Student to teacher ratio is 3:1.

Those enrolled in the class receive ½ credit per semester and a letter grade. Grading is based on how well the students use their time in class. Students may sign up for this class **ONLY** after they have been notified that they qualify.

WORK STUDY

12

Realizing that numerous senior students have an opportunity to work between the hours of 2:30 and 5:30 p.m., the District's policy is to offer an opportunity for an individual to gain work experience and earn money to continue their education after high school, as well as to offer a prospective employer an opportunity to gainfully employ a qualified individual. This program is administered through the vice principal/activities director's office or by the vice principal/ activities director's designee. Please pick up an application from the Assistant Principal and sign up for a study hall.

1. Senior students enrolled at Beaverhead County High School are eligible to apply.
2. The student must submit a Work Study Application form to the vice principal/activities director or designee, indicating where they will be employed and the hours of employment. The form **must** be signed by the student, parent, and employer.
3. Work release will **not** be granted for any of the following:
 - Babysitting siblings
 - Caring for pets (at home)
 - Running errands for parent/guardian
 - Other situations the vice principal/activities director deems not applicable to work study
4. The District will make periodic contact with the student's employer to ensure that the student is employed during the hours stated on the Work Study Application.
5. If the senior student's employment terminates before the end of the school year, or if the student is confirmed not to be working during the indicated hours, the student will forfeit work-study privileges and will be enrolled in study hall.
6. Work study may be granted on a case-by-case basis for hours other than those listed in this policy. (Example: Early morning hours, if employment is available only at that time.)
7. Your work study employer must be able to guarantee consistent work at the time of your scheduled work study.

Please reference Board Policy #3135 for more information.