

Flathead High School

Registration Handbook



2023 - 2024

Principals

E.A. Steere, 1899-1901
G.A. Ketchum, 1902-1911
B.E. Whittaker, 1912-1913
Frank Cummings, 1914-1915
F O. Randall, 1916-1924
Payne Templeton, 1924-1936
Titus Kurtichanov, 1936-1942
R. H. Wollin, 1942-1947
Kenneth A. Rawson, 1947-1961
Vernon Day, 1961-1962
W. Personen, 1962-1968 J. W.
Ballard, 1968-1976
Bill Vogt, 1976-1993
Cathryn McDevitt 1993 -1997
Gary Martin 1997-1999
Callie Langohr 1999-2006
Peter Fusaro 2006-2017
Michele Paine 2017-Present

School Song

(Tune: "On Wisconsin")
On, oh Flathead! On, oh Flathead!
Fight right down that line; Take the
ball around the end—
A touchdown (Basket) sure this time!
RAH! RAH! RAH!
On, oh Flathead! On, oh Flathead! Fight on
for your fame!
Fight! Flathead, Fight! Fight! Fight! We'll
win this game!

Fight Song

Hail to our victors valiant
Hail to our conquering heroes Hail,
hail to Flathead High
The Braves are the best!
RAH! RAH! RAH!
Hail to our victors valiant
Hail to our conquering heroes Hail,
hail to Flathead High
The champions of the west!

School Colors

Black and Orange

School Mascot

Flathead Brave and Bravette

School Logo



School Themes

1999-2000	Celebrate Teaching and Learning
2000-2001	Team Flathead
2001-2002	Connect the Dots
2002-2003	Pay It Forward
2003-2004	Choose To Lead
2004-2005	Power of One
2005-2006	Create Your Story
2006-2007	Simply the Best
2007-2008	Live the Legacy
2008-2009	Expect Greatness
2009-2010	Don't Stop Believing
2010-2011	Dream Believe Achieve
2011-2012	Success - Nothing Less
2012-2013	It's The Pride Inside
2013-2014	Capture Our Spirit
2014-2015	World Class
2015-2016	Born to be Brave
2016-2017	Be Brave~Be The Difference
2017-2018	Old School and Proud!
2018-2019	Building on Excellence
2019-2020	A Brave New Day
2020-2021	Find Your Brave
2021-2022	Carry the Tradition
2022-2023	Success Favors the Brave

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Introductory Materials

HANDBOOK PURPOSE

This handbook has been prepared to provide students and parents with information on registration for courses at Flathead High School. Guidelines are presented to give assistance in developing a class schedule consistent with student ability, interests and post high school plans. To help students decide which courses are appropriate, the following suggestions are offered:

- Study this handbook carefully
- Give special attention to Schedule Planning Guidelines in this section
- Seek input from teachers, parents and members of the counseling staff in selecting courses

Students and staff are expected to support and comply with state and federal laws. It is the goal of Flathead High School to establish a system of education which will develop the full potential of each person. This means each person is guaranteed equality of educational opportunity and the right to be free from discrimination because of race, creed, sex, religion, color, physical or mental handicap, age or national origin.

GENERAL INFORMATION

Schedule Planning Guidelines

Students are required to enroll in 6 academic solids each semester and be accountable for seven periods. Juniors can use the seventh time slot for a study hall, academic solid, student aide position, or period 7 early release. Seniors can use the seventh time slot for a study hall, academic solid, student aide position, period 1 late arrival or period 7 early release. Other class load arrangements must be made in consultation with a school counselor, parent, and approval of the administration.

Montana Career Information System

The Montana Career Information System is one of the best sources to help you learn about yourself and decide on a career, choose where you would like to receive your education, and learn about the process of getting a job. The site allows you to conduct comprehensive skills and aptitude testing, college or technical school exploration and takes you through all the steps for successful job attainment. There are many tutorials in the system, including help with job applications, resumes, cover letters, networking, interest testing and interviewing skills. MCIS also allows you to create your personal portfolio on the site, store results from your assessments and searches, and access them again later. Please visit <https://portal.mtcis.intocareers.org/>. You will need a username and password provided by the Career Center.

Schedule Changes

After the initial registration process, additional changes to a student's schedule shall be made through the student's counselor. Changes will only be allowed for computer errors, overloaded classes, classes not requested, teacher recommendation, or unique circumstances. Students are expected to choose classes wisely during the registration process and not make changes after the registration process.

Course Cancellations

Every effort is made to offer a selection of courses to meet the needs of a wide variety of students. On occasion, courses are canceled after the registration process. Reasons for course cancellations include, but are not limited to:

- Minimum enrollment not met
- Budget cuts and staffing reductions

If a course is canceled, the student may sign up for alternative course(s) or study hall may be chosen or assigned.

Class Retakes

All classes attempted at FHS and all acceptable transfer credits shall be recorded on the transcript. If a student repeats a class that was previously passed, the highest grade will be used when computing the GPA and class rank, but both grades will be listed on the transcript. In a class retake, credit shall be awarded only once (except Math). Repeated classes must be the same FHS course previously taken.

Counseling Services

Counseling Offices

An office manager is available to make appointments for students and to provide information. The department assists in testing, educational planning in high school, post high school planning, and individual and group support. All students are invited to make use of the counseling department as the need arises.

Office hours are from 8:00 A.M. to 3:30 P.M. The office is closed Monday 9 - 11 A.M. and Wednesday 8 -12 noon. Parents and/or students wishing to contact a school counselor to assist in the registration process may schedule an appointment by calling 751-3500 x3525.

Career Center

The Career Center provides an array of occupational and educational services to students, parents, faculty, and the community at large. The purpose of the Career Center is to support students in exploring and developing effective personal career perspectives that help students realize a meaningful path in life through career/educational guidance, individual consulting, career interest testing, and post secondary planning. Information is provided to students and parents with regard to professions and occupations in various career fields, technical schools, trades, certification and apprenticeships, two and four year college/university possibilities, and the various military branches. Informative material is presented in many different formats, including formal presentations, guest speakers, classroom lectures, experiential learning, printed material and internet access.

The Career Center is open from 8:00 A.M. to 3:30 P.M. Monday through Friday. Parents and students wishing to contact the Career Center may schedule an appointment by calling 751-3500 x3661, or simply stop in.

Athletics and Activities Eligibility

MHSA and FHS Activities Eligibility

To be eligible for any activity sponsored by FHS or MHSA, including athletics, drama, music, student government, or any other school sponsored activity that requires practice on a regular basis outside the regular school day, a student must meet all three of the following criteria:

- The student must be currently enrolled in six classes, all of which must be classified as “solids.” All credited classes offered during the school day are considered to be “solids” with the exception of student aide and study hall.
- The student shall not have received any of the following marks during the previous semester: unsatisfactory “U”, conditional “X”, incomplete “I”, failing “F”, or no credit “N”.
- The student must have been enrolled in an educational program the previous semester.

If a student is in Running Start and participates in MHSA sponsored activities, the student must still register for at least two FHS academic (solid) courses each semester and must enroll in at least two Running Start classes in order to remain eligible.

It is the student’s responsibility to make sure his or her current academic schedule and grades meet the activities eligibility criteria. Students need to be careful when making schedule changes so that they do not inadvertently make themselves ineligible. The administration will not support a student request to drop a course after his or her activity season is complete. Students are expected to stay enrolled in six classes the entire semester.

NCAA Athletic Eligibility

Students should work with their high-school counselors, the coaches who recruit them, and college admissions offices to prepare for the transition to college athletics. It is important for students to ask questions until they understand exactly what they need to do to choose the right college for them. It is the student/athlete’s responsibility to meet NCAA athletic eligibility.

A central clearinghouse will certify an athlete’s eligibility for Divisions I and II. In order to be registered with the clearinghouse, students must complete the registration process found at The NCAA Eligibility Center.

NOTE: Requirements for FHS graduation, entry to Montana University System institutions, and NCAA/NAIA are different. If you plan to compete in athletics OR continue your education at the college level, it is your responsibility to ensure that you meet the criteria required by ALL of the applicable institutions.

Athletic Division I Academic Eligibility Requirements

If a student is entering a Division I college or university in the fall, his or her NCAA initial eligibility will be evaluated using the 16 core - course standard. To be classified as a qualifier under this standard, students need to:

- Graduate from high school;
- Successfully completed 16 core courses as listed below; 10 of the 16 core courses must be completed before start of the seventh semester. The 10 course grades are “locked in”. Grade improvement or replacement is not possible in those 10 specific courses.
- Have a core-course grade-point average and a combined score on the SAT (Math + Critical Reading) or a sum score on the ACT based on the core GPA/test score index.

16 Core Courses
4 years of English
3 years of Mathematics (Algebra 1 or higher level)
2 years of Natural/Physical Science (including 1 year of lab science)
1 year of additional English, Mathematics or Natural/Physical Science
2 years of Social Science
4 additional years of English, Math, Natural/Physical Science, Social Science, Foreign Language, Comparative Religion, or Philosophy.

Athletic Division II Academic Eligibility Requirements

To be classified as a qualifier, students will need to:

- Graduate from high school;
- Have a GPA of 2.00 in a successfully completed core curriculum of at least 16 academic course units as follows; 10 of the 16 core courses must be completed before the start of the seventh semester. The 10 course grades are “locked in”. Grade improvement or replacement is not possible in those 10 specific courses.
- Earn the ACT/SAT score matching your core-course GPA on the Division II full qualifier/partial qualifier sliding scale. For more information see www.ncaa.org

16 Core Courses:
3 years of English
2 years of Mathematics (Algebra 1 or higher level)
2 years of Natural or Physical Science (including 1 year of lab science)
3 year of additional English, Mathematics or Natural/Physical Science
2 years of Social Science
4 years of additional years of English, Math, Natural/Physical Science, Social Science, Foreign Language, Comparative Religion, or Philosophy.

Athletic NAIA Eligibility Regulations

As entering freshman, students must meet two of the following three entry level requirements:

- Achieve a minimum of 18 on the ACT or 860 combined score on the SAT (Math and Critical Reading). Scores must be achieved on a single test. Writing scores are not considered in scoring.
- Achieve a minimum overall high school grade point average of 2.00 on a 4.00 scale.
- Graduate in the top half of your high school graduating class.

The ACT/SAT test must be taken on a national testing date and certified to the institution prior to the beginning of the term in which the student initially participates. For more information go to: www.playnaia.org/

Montana University System College Preparatory Curriculum

College Preparatory Curriculum, Montana University System

- Four years of English. The content of the courses should have an emphasis upon the development of written and oral communication skills and literature.

- Three years of mathematics. This includes Algebra 1, Geometry, Algebra 2

Students are encouraged to take a math course their senior year. Note: In school systems where a student may take Algebra 1 in the 8th grade, the student must still complete 3 years of college preparatory math in high school. (Algebra 1 in 8th grade does not meet a rigorous core).

- Three years of social science. This includes Western Civilization – 1.0 credit, 20th Century American History – 1.0 credit, and American Government - .5 credit. Economics, Psychology, Contemporary Issues, Sociology, Street Law, and American Culture are semester electives that will fulfill the remaining .5 credit.

- Two years of laboratory science.

- Two years chosen from the following:

- International language (preferably two consecutive years), or
- Visual and performing arts, or
- Vocational education units that meet the Office of Public Instruction guidelines

MONTANA UNIVERSITY SYSTEM GRADUATION REQUIREMENTS	
MSU-Bozeman and MSU-Billings 2.5 GPA on a 4.0 Scale OR rank in top ½ of graduating class AND complete required college prep courses	UM-Missoula and Montana Tech of the University of Montana 2.5 GPA on a 4.0 Scale OR Rank in top ½ of graduating class AND complete required college prep courses
MSU-Northern 2.5 GPA on a 4.0 scale OR rank in top ½ of graduating class AND complete required college prep courses	UM-Western Montana College 2.5 GPA on a 4.0 scale OR rank in top ½ of graduating class AND complete required college prep courses
Montana Community Colleges: Dawson, Flathead, Miles High school transcript or HiSET certification College placement scores (Compass, Asset or ACT scores for general placement)	Montana Colleges of Technology: Helena, Missoula, Bozeman, Billings, Great Falls, Butte Graduate from high school, present high school transcript, or HiSET College placement scores (Compass, Asset or ACT scores for general placement)

Additional Montana University System Admissions Requirements

Note: The standards on the previous page are general admissions guidelines. Admissions requirements vary from college to college. Please see the Montana University System website at <http://mus.edu> for important college-specific admissions information.

The Montana Board of Regents of Higher Education has ended the requirement that students provide ACT or SAT test scores for admission to its four-year campuses.

Rigorous Core

Students who are selected to compete for the MUS Honors Scholarship must complete a rigorous core. Please see your guidance counselor for further requirements.

COURSE	RIGOROUS CORE	UNITS (YEARS)
Mathematics	Algebra I, II, and Geometry (or the sequential content equivalent) and a course beyond Algebra 2	4
English	English 9, 10, and IB English 11, IB English 12	4
Science	3 credits of lab science	3
Social Science	Western Civilization, American History, Am. Government, and a Social Science elective.	3
Electives	Recommendation: 2 years of second language, music, fine arts, speech/debate, career and technical education.	3

High School Requirements

Graduation Requirements

The purpose of high school graduation requirements is to establish rigorous standards of learning. Graduation requirements are intended to provide the student with a well-rounded education in a variety of subjects and should be viewed as minimums. We encourage all students to pursue the most rigorous plan possible during all four years. Graduation requirements are those in effect when the student entered the 9th grade for the first time. Kalispell Public School District sets a 22 credit High School Graduation Requirement.

SUBJECT	CREDITS
English English 9 English 10 English 11 IB (or Composition/Literature) English 12 IB (or Literature/English Elective)	4.0
Social Science Grade 10: Western Civilization Grade 11: 20th Century American History Grade 12: American Government (.5 Credit)	2.5
Math Grade 9 Grade 10 Grade 11	3.0
Science Grade 9 Biology Grade 10 Earth Science or Chemistry	2.0
International Languages	0
Fine Arts (Art, Music, Theatre)	1.0
Health/Physical Education Health (.5 Credit) PE (1.0 Credit)	1.5
Career & Technical Education (Vocational/Business)	1.0
College & Career Readiness (CCR)	.5
Personal Finance	.5
General Electives	6.0
Total	22

Graduation Responsibilities

It is the student's responsibility to satisfy all of the FHS graduation requirements on time. Students not meeting FHS graduation requirements will not participate in the graduation ceremony. The diploma will be issued after all graduation requirements have been satisfied.

Students needing credits from accredited and independent courses or other accredited educational institutions must make sure the credits have been submitted to the counseling office by the Friday prior to graduation. Please pay close attention to details such as processing and mailing time so time does not run out.

Early Graduation

Students choosing to graduate before completing their four years of high school need to contact their school counselor for additional information.

Academic Distinction Requirements

Curriculum Area	Merit Distinction	Career Field Distinction	Fine Arts Distinction	Health Science Distinction	Engineering Distinction	International Language Distinction	Civics Distinction	Ag Distinction
	Successful completion of 6 credits in IB classes and test in 3	Successful completion of 3 credits in a Career Field focus	Successful completion of 4 years in Music or Visual Arts or 3 years in Theatre	Successful completion of 3 credits of Biomedical Science	Successful completion of 3 credits of Engineering Focus	Successful completion of 4 years of an International Language focus	Successful completion of 4 credits of Social Science	Successful completion of 4 credits of Agricultural Education
	Gold	Red	Lavender	Teal	Navy Blue	Light Blue	Gray	Burgundy
English	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Social Science	3.0	2.5	2.5	2.5	2.5	2.5	4.0	2.5
Math	3.0	3.0	3.0	3.0	4.0	3.0	3.0	3.0
Science	3.0	2.0	2.0	4.0 Includes Organic Chem	4.0 Includes IB Physics I	2.0	2.0	2.0
International Language	2.0 Same Language	0	0	0	0	4.0 Same Language	0	0
Fine Arts (Art, Drama, Music)	1.0	1.0	4.0/3.0	1.0	1.0	1.0	1.0	1.0
Health Enhancement	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Career & Technical Ed (Vocational/ Business)	1.0	1.0	1.0	3.0	2.0	1.0	1.0	1.0
CCR	.5	.5	.5	.5	.5	.5	.5	.5
Personal Finance	.5	.5	.5	.5	.5	.5	.5	.5
General Electives	4.5	4.0	3.0/4.0	2.0	1.0	2.0	4.5	2.0
Career Field Major Electives	0	3.0	0	0	0	0	0	4.0
Total	24	22	22	22	22	22	22	22

Additional Requirements Each department has specific criteria that must be met to be eligible for the cord at graduation. Criteria may include, but is not limited to, courses, community service, cumulative GPA, department activities, etc. Please see the department leader for additional information on the requirements for the cord.

Academic Distinction Summarized		
Title of Honor	Cord Color	Criteria Description
IB Diploma	Orange Stole	Full IB Diploma
Summa Cum Laude	Orange	4.0 cumulative GPA for 8 semesters
Maxima Cum Laude		
Magna Cum Laude	Silver	3.75-3.99 cumulative GPA for 8 semesters
Cum Laude	White	3.5-3.74 cumulative GPA for 8 semesters
Merit Distinction	Gold	6 IB Credits and complete exams in 3 classes See school counselor for additional requirement details.
Career Field Distinction	Red	3 credits of a career focus in either Ag, Architecture, Business, Construction, Metals, Transportation, or FCS. Note: Also includes participation in BPA, FFA, FCCLA, HOSA, or Skills USA. See department leader for additional requirement details.
Fine Arts Distinction	Lavender	Music-4 consecutive credits in either band, orchestra, or choir, maintain a 3.2 GPA, and earn at least 2 music letters Theatre-3 credits of theatre classes, maintain a 3.2 GPA, and earn at least 2 theatre letters Visual Arts-4 credits of visual arts classes, maintain a 3.2 GPA, submit a portfolio, and present a public exhibition. See department leader for additional requirement details.
Health Science Distinction	Teal	3 credits of Biomedical science courses, 4 credits of science including Organic Chem, maintain a 3.2 GPA, participate in HOSA, Science Club, or complete a health internship. See department leader for additional requirement details.
Engineering Distinction	Navy Blue	2 credits of CTE courses including Tech Ed or Computer Science, 4 credits of Science including IB Physics I, maintain a 3.2 GPA, participate in Tech, Math, or Science Club or an engineering internship. See department leader for additional requirement details.
International Language Distinction	Light Blue	4 credits of an international focus, participate in an International Language or focus club, maintain a 3.2 GPA. See department leader for additional requirements.
Civics Distinction	Charcoal	4 credits of a social studies focus that includes testing in Global Politics or 20th Century History, participate in Model UN or Speech & Debate for two years, maintain a 3.2 GPA, 20 hours of volunteerism or civic engagement. See department leader for additional requirements.
Agriculture Distinction	Burgundy	4 years of Agricultural Education coursework, perform community service, and complete a Supervised Agriculture Experience. See department leader for additional requirements.

Program Descriptions

Running Start

The Running Start program is a partnership between FHS and Flathead Valley Community College that allows high school juniors and seniors to enroll in college classes and earn college credits while in high school. Running Start registration for fall semester at FVCC is mid August, for spring semester is mid December, and for summer classes is early May. Contact FVCC at 756-3847 or the FHS Counseling Department at 751-3500 x3525 for exact dates.

To be eligible for Running Start students must:

- Maintain the equivalent of a full time course load between FHS and FVCC
- Pass a placement test at FVCC
- Complete a Running Start application

More information on Running Start is available through the FHS counselors in the Counseling Department.

Concurrent Enrollment

The concurrent enrollment program is a partnership between FHS and FVCC that allows high school students to take FVCC or UM courses taught at our high schools and concurrently earn both high school and college credit. Students are eligible for 6 free FVCC credits, and some fees are paid for. Eligibility requirements mirror that of the Running Start program. FHS concurrent enrollment offerings include:

FVCC WLDG 185, Welding 3

FVCC DDSN 114, CAD/CAM 4 (computer drafting)

FVCC BIOB 105, BioMed 4/Biomedical Innovations

FVCC AHMS 144, Medical Terminology

FVCC EDEC 108, Early Childhood 2

UM ITS 191, Computer Science Cyber Security

Title 1

Instruction is accomplished primarily in a collaborative model with regular classroom instructors. A skill proficiency grid, classroom grades and diagnostic test results are used to determine if a student qualifies for Title 1 services. Please contact 751-3500 x3408 for information.

Freshman Academy

The Flathead High School Freshman Academy is a small learning community of students assigned to a team of committed, involved and caring staff. The staff team will strive to promote:

- The successful transition into high school
- A strong curriculum based on the three R's: Rigor, Relevance and Relationships
- Teaching students on three levels: academic, social and cultural
- A safe and structured learning environment so all students may realize their full potential
- A strong partnership with parents, administration, counselors, teachers and community
- Knowing every student on an individual basis

Brave Mentoring

All 9th graders participate in our Brave Mentoring program. This student-led program takes freshmen through the first semester and provides targeted mentoring lessons with a trained student mentor.

Work Based Learning

Work Based Learning is an internship course focusing on career exploration and career development that allows students to consolidate and apply the learning from their highschool coursework into a meaningful and relevant on-the-job experience. Students have the opportunity to develop a foundation of general workplace skills and to acquire information and skills in their chosen career pathway. Work Based Learning establishes a clear connection between education and work by helping students understand the relevance of academics in relation to skills needed in the workplace.

English Language Learners

Students who experience difficulty in verbal and written language due to speaking English as a second language can receive assistance in learning English as a second language. Please contact 751-3500 x3572 for information.

Reading Intervention

FHS offers reading instruction to any student who indicates a need and desire to become a better reader. Students gain practical reading skills through a proven program that is dignified, age-appropriate, and effective. Please contact the reading specialist at 751-3500 x3572 for information.

International Baccalaureate

Through comprehensive and balanced curricula coupled with rigorous assessments, the International Baccalaureate Organization aims to assist schools in their endeavors to develop the individual talents of young people and teach them to relate the experience of the classroom to the realities of the world outside. Beyond intellectual rigor and high academic standards, strong emphasis is placed on the ideals of international understanding and responsible citizenship, to the end that IB students may become critical and compassionate thinkers, lifelong learners and informed participants in local and world affairs, conscious of the shared humanity that binds all people together while respecting the variety of cultures and attitudes that makes for the richness of life.

Diploma Programme

The IB Diploma Programme is a comprehensive two-year college preparatory curriculum for juniors and seniors. Recognized throughout the world for its excellence, this curriculum gives diploma holders access to the world's leading universities and solid preparation for high achievement once enrolled. The IB curriculum emphasizes critical thinking, analysis and writing skills. Studies have shown that IB students are more likely to be accepted to their first choice college and do better once they are there than students who have not taken this type of college preparatory program.

Assessing Student Work

An essential element of IB assessment is that standards are the same worldwide. Member schools are scattered across continents and examiners represent many cultural and academic traditions, yet the organization measures student performance according to established standards and criteria that are consistent from place to place and year to year. Typically there is a series of written examinations at the end of the course. Conventional external examination techniques are chosen from a variety of options: oral and written, long and short responses, data-based questions, essays, and multiple-choice questions. Specialized forms of assessment appropriate to the nature of a given discipline are also used for curricula areas such as visual arts, theater arts, and music.

Methods used by examiners external to the local school are complemented by internal assessment of coursework by the teachers responsible for evaluating students over the entire period of instruction. This is an important aspect of the overall assessment strategy because it gives students a chance to show what they can do over time, not just in the pressured context of a final examination.

Advantages of the IB Programme

- Students demonstrate academic achievement in a broad-based curriculum including English, Second Language, Social Studies, Science, Math, and Fine Arts
- Students who challenge themselves are better prepared for college
- Students become skilled in writing, critical thinking, analysis, and research
- Students develop an international perspective
- Students develop time management and organizational skills

Participation in FHS International Baccalaureate Courses

Participation in IB courses at Flathead High School is open to all juniors and seniors who have completed the prerequisite courses. Students may choose to participate in the full IB Diploma Programme, may take individual IB courses for IB Certificates, or may take IB courses only for credit towards graduation requirements.

1. **Individual IB Certificates:** Students select individual IB classes to take during the junior and senior years. We encourage all students to take IB courses as excellent preparation for success in college and career. Students may choose any number of IB classes to take, depending on their interests. If students complete the requirements of the course and pass the IB exam, then they will be granted an IB certificate. Many universities grant college credit to entering freshmen that do well on exams. We cannot guarantee credit at all colleges, and students must check with their college of interest to determine their credit policy.
2. **Full IB Diploma Programme:** This rigorous program requires students to show academic strength in six different subject areas. Earning the IB diploma forms an excellent basis for successful college work after graduation from FHS. Meet with the IB Coordinator for complete details concerning the IB Diploma and develop a personal plan for your courses.

Exam Fees and the Registration Process

There are no fees for students who do not wish to sit for exams at the end of an IB course. Only students who wish to be awarded the IB Certificate or Diploma sit for exams and pay fees. To earn the IB designation on some higher level courses, students must register and take the IB external assessment or take the exam in class with their teacher in their senior year. FHS will not discriminate against students who cannot afford to pay for the exams. Visit the FHS website for current IB exam fees and forms or contact Kelli Higgins, IB coordinator at 751-3500 x3478, or e-mail fhs ib @sd5.k12.mt.us

Full IB diploma candidates must meet with the IB coordinator to plan their curriculum to ensure that the student's schedule will meet the requirements for the diploma.

FHS COURSE SELECTIONS

GRADES 9, 10, 11, 12

2023 – 2024



FHS COURSE OFFERINGS

GENERAL ELECTIVES

Digital Multimedia & Broadcast
Foundations of Leadership 1
Foundations of Leadership 2
Peer Tutor
Student Aide
Study Hall
Theory of Knowledge 1 IB
Theory of Knowledge 2 IB
Yearbook

ART

Art IB Visual Art (SL) or (HL)
Art Survey
Ceramics 1/Sculpture 1
Ceramics/Sculpture 2
Drawing 1
Drawing 2
Digital Photography and Film
Graphic Design 1
Graphic Design 2
Independent Study
Independent Study- Visual
Art
Jewelry and Metals
Painting 1
Painting 2
Printmaking
Sculpture

BUSINESS

Advanced Digital & Social Media Promotion
Accounting 1
Accounting 2
Accounting 3
Business & Management IB (SL or HL)
College & Career Readiness (CCR)
CSA - Java Programming 1
CSA - Java Programming 2
CSA - Cyber Security
CSE - Video Games & Virtual Reality
Introduction to Business
Introduction to Computer Science
Introduction to Multimedia
Marketing 1
Marketing 2
Personal Finance
Physical Computing 1
Physical Computing 2
Physical Computing 3
Physical Computing 4
School Based Enterprise (SBE) Southside
Coffee 1,2, 3

AGRICULTURE

Ag Botany and Soil Science
Ag Welding 1
Ag Welding 2
Ag Welding 3
Agriculture 1, English 9, Biology
Agriculture 2 and English 10
Agriculture 3
Agriculture 4 and Economics
Natural Resources of Montana
Veterinary Science

ARCHITECTURE

Drafting/CAD 1
CAD/CAM 2, 3, 4

BIOMEDICAL SCIENCE

BioMedical Science 1 - Principles of BM
Sciences
BioMedical Science 2 - Human Body
Systems
BioMedical Science 3 - Medical
Interventions
BioMedical Science 4 - BioMedical
Innovation
Medical Terminology

CONSTRUCTION SKILLS

Housing Construction 1 & 2
Intro to Building Trades
Technology Education
Woods 1
Woods 2
Woods 3
Woods 4

METALS & MANUFACTURING

Introduction to Metals Process

AUTOMOTIVE

Automotive 1
Automotive 2
Automotive 3
Automotive 4
Heavy Equipment Operation

FAMILY AND CONSUMER SCIENCES

Culinary Arts 1
Culinary Arts 2
Culinary Arts 3: ProStart
Culinary Arts 4: ProStart
Early Childhood Education 1 & 2
Housing & Interior Design
Design 2
Design 3
Textile Design
Travel and Tourism

ENGLISH LANGUAGE ARTS

Acting 1 Process, Practice and Philosophy
Acting 2 Process and Performance IB (SL) or (HL)
Acting 3 Directing and Design IB (SL) or (HL)
Acting 4 Advanced Acting IB (SL) or (HL)
Advanced Poetry
American Literature
Composition
Creative Writing
English 9
English 9, Agriculture 1, and Biology
English 9 Honors
English 10 Literature
English 10 Communication
English 10 Honors
English 10 and Agriculture 2
IB Literature 11 (HL)
IB Language and Literature 11: Nature & Society (HL)
IB Language and Literature 11: Global Indigenous Literature (HL)
IB Literature 12 (HL)
IB Language & Literature 12 (HL)
Learn and Serve
Montana & Native American Literature
Mythology
Newspaper Journalism
Poetry
Reading Intervention
Science Fiction and Fantasy
Speech Workshop
Success in Reading
Technical Theater 1
Technical Theater 2
Technical Theatre 3
Technical Theatre 4
Theatre as Literature IB (SL) or (HL)
Yearbook (general elective credit only, non-English)

HEALTH ENHANCEMENT

Agility & Strength
Health
Outdoor Pursuits
Physical Education - Athletic Foundations
Physical Education—Intro to Fitness
Strength & Conditioning

INTERNATIONAL

BACCALAUREATE

20th Century Issues (HL)
Acting 2 Process and Performance IB
Acting 3 Directing and Design IB Acting
4 Advanced Acting IB
Analysis and Approaches IB (SL)
Applications and Interpretation IB (SL)
Art IB
Biology 1 IB (HL) Biology
2 IB (HL)
Business & Management IB (SL or HL))
English 11 IB Literature (HL)
English 11 IB Language and Literature (HL)
English 12 IB Literature (HL)
English 12 IB Language and Literature (HL)
Environmental Systems 1 IB (SL)
Environmental Systems 2 IB (SL)
French 2, 3, 4 IB (SL)
Global Politics IB (SL)
History of the Americas IB (HL)
Music IB (SL)
Pre-Calculus IB
Physics 1 IB (SL)
Physics 2 IB (SL)
Psychology IB (SL)
Spanish 2, 3, 4 IB (SL)
Theatre as Literature IB
Theory of Knowledge I IB
Theory of Knowledge 2 IB

INTERNATIONAL LANGUAGES

French 1
French 2 Ab Initio
French 3 IB/Ab Initio
French 4 IB
Spanish 1
Spanish 2 Ab Initio
Spanish 3 IB/Ab Initio
Spanish 4 IB

MATHEMATICS

Algebra 1
Algebra 2
Analysis and Approaches IB (SL)
Analysis and Approaches IB (HL)
Applications and Interpretation IB (SL)
Applied Geometry
Consumer Mathematics
Geometry
Math Foundations I
Math Foundations II
Pre - Algebra
Pre-Calculus IB
Pre-IB Algebra 2
Transitions to Algebra

MUSIC

Aeolian Choir
Beginning Band
Braves Band
Chamber Orchestra
Choral-Aires
Concert Band
Concert Choir
Concert Orchestra
Dorian Choir
Flathead Singers
Folk Band
Guitar 1
Guitar 2
Guitar 3
Music Theory and Harmony
Percussion
Symphonic Band
Symphonic Orchestra

SCIENCE

Ag Botany
Agriculture 1, English 9, and Biology
Astronomy
Biology
Biology 1 IB (HL)
Biology 2 IB (HL)
Chemistry Year
Chemistry Semester
Earth Science
Earth Science Basic
Earth Science Honors
Environmental Systems & Societies 1 IB (SL)
Environmental Systems & Societies 2 IB (SL)
Forensics
Introduction to Biotechnology
Medical Terminology
Montana Ecology
Organic Chemistry
Physics 1 IB (SL)
Physics 2 IB (SL)
Physics Semester
Sports, Exercise and
Health Science (B (SL)
Veterinary Science

SOCIAL SCIENCE

20th Century American History
20th Century American History
Basic 20th Century Issues IB (HL)
American Culture
American Government
American Government Basic
Contemporary Issues: Terrorism, Warfare, Hope
Debates In Modern Society
Economics
Economics and Agriculture 4
Global Politics IB (SL)
History of the Americas IB (HL)
Psychology
Psychology IB (SL) (HL)
Sociology
Street Law
Western Civilization Basic
Western Civilization
Western Civilization
Honors

Freshman Information

Freshman Academy

The purpose of the Freshman Academy is to provide a nurturing environment which caters to the educational, emotional, and social needs of freshmen. The academy will also help ensure a smooth transition from middle school to high school. All students will be engaged in a rigorous curriculum which prepares them to be successful in high school. We value and promote cooperation and communication between staff, parents, students, and the community as an important component in a student's success.

We Believe:

- That all students can learn and achieve at a high level.
- That building relationships between teachers and students, the school and the parents, and the school and the community is essential to a student's success in setting high expectations for students.
- In creating an atmosphere that will assist in a smooth transition for freshmen from middle school to high school.

Freshman Academy Goals:

- Improve student achievement
- Provide a successful transition from middle school to high school.
- Create a smaller, safer, and more personal high school learning environment.
- Graduate students with necessary tools/skills for transition into postsecondary education and career goals.

Academy Components:

There are three teams of five teachers who will teach approximately 100 – 110 students. Students will have four classes each semester in the academy. Math, Science, English will be taken for the full year. Health and A.C.E. I will be taking one semester. The classes will be taught in a 4 period block of time. The staff within the academy will have a common planning time to help meet the needs of the students within their team.



9th Grade Course Descriptions

CCR (College & Career Readiness)

Credit: .5; One semester, Grade 9

Prerequisite: None

Course Objectives: This course is designed to introduce students to their future after high school. With foundations starting in goal setting, students will review their personal preferences, skills, talents, and values as a means and pathway to learning about future careers. Along with career exploration and readiness, students will begin to understand and develop a financial foundation, consumer protections, and be economically familiarized with current living costs. Throughout this course, students will develop an understanding of their responsibilities as digital citizens in different technological platforms. This course is rounded out with a final portfolio which students will use throughout their high school careers.

** ENGLISH 9

Credit: 1.0; Full year; Grade 9

Prerequisite: None

Course Objectives: Course Objectives: This course focuses on writing, speaking, and close reading of fiction and nonfiction literature. Students will write to a variety of purposes and audiences with an emphasis on argumentation and research writing. Students will analyze both formal and informal verbal and nonverbal messages and will participate in class discussions and formal presentations. Language development, style, and grammar and usage skills will be stressed in both close reading and writing practices. Objectives include demonstrating knowledge and competent performance in reading, writing, speaking, listening and language.

HEALTH

Credit: .5; One semester; Grade 9

Prerequisite: None

Course Objectives: The course deals with all aspects of health including physical, social and mental health. Health care, awareness, and treatment and prevention of disease are discussed with the intent of developing the individual's obligation for helping maintain a healthful environment. The course includes units covering all aspects of "wellness," such as fitness, nutrition, first aid, drugs and dependency, family life and human growth and development, including sex education. Decision-making is considered in each unit with discussion, activities and information presented to help in learning the process.

BIOLOGY

Credit: .1.0; Full year, Grade 9, 10, 11, 12

Prerequisite: None

Course Objectives: Biology is the study of living organisms. Main areas of study will include: historical developments-contributions, atoms, chemical bonding, organic compounds, cells, DNA, genetics & heredity, energy use in photosynthesis & cellular respiration, classification, ecology and human systems. We will also emphasize lab skills, experimental design, and data analysis. As an introductory course in biology, students are prepared for college and IB courses. Students will be introduced to various moral and environmental issues being brought to the fore by research in bioengineering and other areas of biological research. They will be provided with tools to make educated decisions regarding these new technologies and developments. Methods of study will be diversified. Labs, mini-labs, research, writing, projects, video support, and possible fieldwork should keep us actively learning. You supply the enthusiasm and good work ethic and we will be off and running!

ALGEBRA 1

Credit: 1.0; Full year; Grades 9, 10, 11, 12

Prerequisite: None

Course Objectives: Algebra 1 is an introductory course focusing on algebraic concepts/skills and their applications to real life situations. These topics are typically studied in a ninth grade mathematics class. Major topics covered are linear equations, linear inequalities, ratios, geometric concepts, statistics, and probability. Students will be introduced to technology consisting of the TI-84 graphing calculator and computer software.

GEOMETRY

Credit: 1.0; Full year; Grades 9, 10, 11, 12

Prerequisite: Algebra 1 with a minimum grade of "C" semester 2

Course Objectives: Geometry is a study of geometric concepts using the math of Algebra 1. Technology (graphing calculators and software programs) will be used to explore and demonstrate geometric concepts when appropriate. Some major topics covered are basic geometric concepts, reasoning and proofs, angles and parallel lines, triangles, quadrilaterals, circles, congruence and similarity, transformations, area, surface area and volume.

General Electives

DIGITAL MULTIMEDIA AND BROADCAST

Credit: .5; One Semester; Grades 11, 12

Prerequisites: None

Course Objectives: Students will explore digital audio and video editing, photo manipulation and animation. Students will also be responsible for all phases of Flathead Television – design, reporting, recording, editing and production. Students will be able to create multimedia presentations using different software. They will understand the different media available to them and how to incorporate them into an effective presentation and then deliver a clear presentation to an audience. Students will be introduced to visual communication skills to assist in effective design. Students will design, report, record and produce the FTV morning announcements.

FOUNDATIONS OF LEADERSHIP 1

Credit: .5; One Semester; Grade 10, 11, 12

Prerequisites: Application and signature from the instructor

Course Objectives: To help students identify and enhance their own leadership strengths and guide them to become better servant leaders throughout our community. Through a series of lectures, guided interaction, group exercises and community service, students will explore the principles of servant leadership and learn to develop individual and group leadership skills to impact their lives and community. Content areas include decision making, goal setting, effective communication, servant leadership, organization and time management skills, conflict/negotiation strategies, team building, and concrete strategies to implement positive change throughout our school and community.

FOUNDATIONS OF LEADERSHIP 2

Credit: .5; One Semester; Grade 11, 12

Prerequisites: Application and signature from the instructor

Course Objectives: To help students identify and enhance their own leadership strengths and guide them to become better servant leaders throughout our community. Through a series of lectures, guided interaction, group exercises and community service, students will explore the principles of servant leadership and learn to develop individual and group leadership skills to impact their lives and community. Content areas include decision making, goal setting, effective communication, servant leadership, organization and time management skills, conflict/negotiation strategies, team building, and concrete strategies to implement positive change throughout our school and community. Foundations of Leadership is run in conjunction with The Brave Mentoring program. Students who enroll take on the leadership position of Executive Mentor within The Brave Mentoring program. Students work collaboratively with their peers to create mentoring lessons to share with freshmen students. With these lessons, students are able to practice and implement their acquired leadership skills, while growing the culture of FHS. The Foundations of Leadership adventure starts in early August with the Leadership training and retreat where the concept of servant leadership is introduced. This retreat and training is the kick start to The Brave Mentoring Program and the foundation of the curriculum that will be taught throughout the semester.

PEER TUTOR

Credit: .5; One Semester; Grades 11, 12

Credit: General Elective, not considered an academic “solid” course.

Prerequisites: Interested students must apply through the guidance office.

Course Objectives: Students will be participating in a peer to peer tutoring program in which they will be assisting students who are struggling or have questions in math and/or science. This may be done individually, in small groups, or as a classroom assistant. The students will receive a satisfactory “S” or unsatisfactory “U” grade on the semester transcript. If a tutor is earning a “D” or “F” in any course, the tutor may be placed in study hall.

STUDENT AIDE

Credit: .5; One semester; Grades 11, 12

Credit: General elective; can be taken twice for credit; not considered an academic “solid” course

Prerequisite: Minimum GPA of 2.5

Course Objectives: At the beginning of each semester, teachers will advertise in the daily bulletin for help with routine office procedures. Students must get the approval from the teacher to become their aide. Daily attendance is required and the student is under the teacher’s supervision during their aide time. The student will receive a satisfactory “S” or unsatisfactory “U” grade on the semester transcript. If a student aide is earning a “D” or “F” in any course, the student will be placed in study hall until the grade is raised. They may return to student aide at the beginning of the next grading period (midterm, quarter, or semester).

STUDY HALL

Credit: 0.0; Grades 9, 10, 11, 12

Prerequisites: None

Students who are scheduled for study hall are expected to attend. Study hall is not “free time” to leave campus. Students should sign up for study hall only if they plan on being in study hall. If a student does not want to be in study hall, he or she needs to sign up for a course. Study hall attendance and tardies are under the attendance policy guidelines and consequences. Students are expected to use the time productively to complete homework and other class assignments.

THEORY OF KNOWLEDGE 1 IB

Credit: .5; One Semester; Grades 11, 12

IB diploma candidates must take this course during their junior year. Other students may take this course either their junior or senior year.

Materials Fee: Only those students intending to seek the IB diploma or IB certificate/s will have fees.

Prerequisite: None

Course objectives: The Theory of Knowledge (ToK) class is a seminar in which students have the opportunity to sharpen their critical thinking skills by reflecting on not only what they know, but also how they know. Students will develop skills which allow them to reason critically and communicate clearly both orally and in writing; to connect various ways of knowing, different areas of knowledge, and personal experiences; and to demonstrate an understanding of the ways in which knowledge is affected by judgments, beliefs and personal views. Students will discuss real world issues as a means of exploring the nature of knowledge in the various disciplines, the various ways of knowing, and the problems of knowledge. Students who enroll in this class must be curious and willing to be involved in seminar discussions.

THEORY OF KNOWLEDGE 2 IB

Credit: .5; One Semester; Grades 11, 12

IB diploma candidates must take this course during the first semester of their senior year.

Materials Fee: Only those students intending to seek the IB diploma or IB certificate/s will have fees.

Prerequisite: ToK 1 is recommended for all students but required only for IB diploma candidates and IB TOK certificate candidates.

Course objectives: ToK 2 continues the curriculum of ToK 1, beginning with a review of the ways of knowing and the nature of knowledge, with a focus on the strengths and limitations of knowledge in each area of knowledge. The course will culminate with a formal oral presentation and a formal paper. Essential to success in the class is curiosity and a willingness to be actively involved in seminar discussions.

YEARBOOK

Credit: 1.0 for Full year Grades 10, 11, 12

General elective credit only (non-English credit)

Prerequisite: Application to the program is required. Placement in the course is dependent on a B or better average in previous English classes and an excellent attendance record.

Course Objectives: Students in this course learn journalistic skills and marketing skills to produce the school yearbook. Objectives include demonstrating knowledge and competent performance in journalism, graphic design, advertising, and marketing in the creation of the yearbook. This production-based course requires both in class and after school time. Students who work after school or who have time consuming activities are encouraged to talk to the teacher before applying. All students are required to sell advertising to help support the printing costs of the yearbook and ad sales are part of the semester grade.

Application to the program is required. Placement in the course is dependent on a B or better average in previous English classes and an excellent attendance record.

Art

ART SURVEY

Credit: .5; semester; Grades 9, 10, 11, 12

Materials Fee: \$20

Prerequisite: None

Course Objectives: This course is recommended for students who wish to explore the basics of visual art. This class is taken as a prerequisite prior to the following art classes: Drawing 1, Painting 1, Graphic Design 1, Ceramics1, Jewelry and Metals, Sculpture 1, Digital Photography and Film. The emphasis in this class is upon drawing and design and the skills necessary to create two and three-dimensional art through various media such as paint, graphite, ink, pastels, and clay. Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to visual art. There will be sketchbook assignments as proficient drawing skills are essential for success.

ART IB (SL) (HL) – VISUAL ART*

Credit: 1.0; Full year; Grades 11,12

(International Baccalaureate – Standard Level (1 year. program), Higher Level (2 year. program)

IB Requirements: SL & HL: 20% Comparative Study of 3 well known artworks (theoretical practice) 40%

Process Portfolio in a Visual Arts Journal (art-making practice) 40%

Exhibition of student artwork (curatorial practice)

Materials Fee: \$40

Preferred prior course work: SL– 2 semesters of art; HL – 3 semesters of art

Required: Visual Art Instructor Recommendation

Course objectives: This course is open to students focusing on advanced practices in the visual arts. **This is a 2 year course with an exception for Seniors who are pursuing the Full IB Diploma.** These practices are Theoretical, Art-Making, and Curatorial in nature. This program meets the IB full diploma requirement for IB Art (SL or HL). The students enrolling in Art IB explore different facets of the visual arts in an in-depth and thoughtful manner. Students will produce an extensively written Comparative Study which analyzes 3 famous art works, a Process Portfolio which exhibits investigative and visual research with reflective writing and a portfolio of original art work which will be Exhibited to the public as course requirements for both SL and HL . Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to visual art.

***Students wishing to earn the IB higher level designation must enroll in Art IB for 2 years and register for the IB external assessment during the senior year. There is an IB examination testing fee.**

CERAMICS 1/ SCULPTURE 1

Credit: .5; semester; Grades 9, 10, 11, 12.

Materials Fee: \$20

Prerequisite: Art Survey

Course Objectives: Students will be acquainted with the basic aspects of designing, forming, glazing, and firing ceramic artwork. Students will create a variety of ceramic artworks using hand building techniques and the pottery wheel. Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to Ceramics. There will be sketchbook assignments as proficient drawing skills are essential for success.

CERAMICS 2/SCULPTURE 2

Credit: .5; semester; Grades 10, 11, 12

Materials Fee: \$20

Prerequisite: Art Survey **AND** Ceramics, or Sculpture

Course Objectives: This class is designed for students who are seriously interested in continuing their application of artistic skills in Ceramic and Sculpture art forms. Assignments are designed to draw upon previously learned skills and techniques from prior Ceramic or Sculpture art courses. Students will be expected to use a variety of techniques and media to develop and illustrate their ideas. Assignments are varied and students are encouraged to generate individual and unique responses that exhibit both risk taking and creative thought. Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to Sculpture and Ceramics. . There will be sketchbook assignments as proficient drawing skills are essential for success.

DRAWING 1

Credit .5; semester; Grade 9,10,11,12.

Materials Fee : \$20

Prerequisite : Art Survey

Course Objectives : Students will be introduced to a variety of drawing techniques and ideas by using the elements and principles of art. Students will demonstrate these skills and ideas through project assignments focusing on the exploration of various dry and wet media such as graphite, pastel, art markers, watercolor, and mixed media. Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to drawing. There will be sketchbook assignments as proficient drawing skills are essential for success.

This is a recommended class for students planning advanced art studies

DRAWING 2

Credit .5; semester; Grade 10,11,12

Materials Fee: \$20

Prerequisite: Art Survey **AND** Drawing 1

Course Objectives: This course is a continuation of Drawing 1. Students will be expected to demonstrate a more advanced variety of drawing skills and ideas by using the elements and principles of art and advanced areas of compositional interest. Students will demonstrate these advanced skills and ideas through project assignments focusing on the exploration of various drawing media including graphite, charcoal, pastels, watercolor and ink. Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to Drawing. There will be sketchbook assignments as proficient drawing skills are essential for success.

This is a recommended class for students planning advanced art studies.

DIGITAL PHOTOGRAPHY AND FILM

Credit .5; One semester; Grades 10, 11, 12

Materials Fee: \$20

Prerequisite: Art Survey and Graphic Design 1

Course Objectives: This course is designed for students that are interested in art media studies in Digital Photography and Digital Film Production. Students in this course will learn the fundamentals of Digital Photography and Film Production, including the techniques and the aesthetics of shooting, lighting, and editing. Hands-on production experience using digital photography and video is emphasized throughout the course.

Students will use different elements such as photography, video, film, animated typography, and music to create on-screen visual effects for photography and film, using industry-standard tools and techniques. Students will use Google classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to Photography and Film Production. There will be sketchbook assignments as proficient drawing skills are essential for success.

GRAPHIC DESIGN 1

Credit.5; semester; Grades 9, 10, 11, 12

Materials Fee: \$20

Prerequisite: Art Survey

Course objectives: This course teaches the elements and principles of design and how they apply to graphic design. Students learn about the graphic design process, vocabulary, and history of graphic design. Students explore various approaches to graphic design including traditional and digital forms using industry standard software. The course will teach other computer skills such as time management and proper data storage, and using the internet as a tool for education. Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to Graphic Design. There will be sketchbook assignments as proficient drawing skills are essential for success.

GRAPHIC DESIGN 2

Credit.5; semester; Grades 10,11, 12

Materials Fee: \$20

Prerequisite: Art Survey **AND** Graphic Design 1

Course Objectives: Students will continue to build on the design and software skills from Graphic Design 1. This class will work on "real life" design projects to extend technology and design skills. Students will use different computer software and design approaches to create Posters, Logos, Products design, and Advanced Graphic Design concepts. Students will continue to learn valuable computer skills they will apply in other classes and can use to prepare to pursue a career in Graphic Design. Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to Graphic Design. There will be sketchbook assignments as proficient drawing skills are essential for success.

JEWELRY AND METALS

Credit .5; semester; Grades 9,10,11,12

Materials Fee : \$20

Prerequisite : Art Survey

Course Objectives : Students will learn foundational skills required for designing and creating handmade jewelry. Processes include working with hand tools, power tools, and soldering torches for fabricating jewelry. A variety of metals will be used including copper, brass, nickel silver, bronze, and sterling silver, as well as a selection of semi-precious gemstones. Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to Jewelry Design. There will be sketchbook assignments as proficient drawing skills are essential for success.

PAINTING 1

Credit .5; semester; grades 9,10, 11, 12

Materials Fee : \$20

Prerequisite : Art Survey

Course Objectives: Drawing and sketches will be required as students learn to use the painting tools, materials, and techniques to transfer their drawings and ideas into paintings. Students will be expected to demonstrate proficient painting skills by the completion of project assignments in media such as watercolor, gouache, acrylic, or ink. Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to Painting. . There will be sketch- book assignments as proficient drawing skills are essential for success.

PAINTING 2

Credit .5; semester; grades 10, 11, 12

Materials Fee : \$20

Prerequisite : Art Survey **AND** Painting 1

Course Objectives : Students will apply the techniques and styles they learned in Painting 1 to create paintings with original content and composition. There will be more emphasis upon planning projects and reflection on completed work while exploring watercolor, acrylic, oil, and mixed media. The student will be expected to demonstrate proficient painting skills by the completion of the project assignment. Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism, and Aesthetics. There will be sketchbook assignments as proficient drawing skills are essential for success.

PRINTMAKING

Credit .5; semester; grades 10, 11, 12

Materials Fee: \$20

Prerequisite: Art Survey **AND** Drawing 1

Course Objectives: Students will develop an understanding of the relief and intaglio printmaking process, from historical to contemporary art making techniques. They will learn and explore a range of printmaking methods, materials, techniques, alternative processes, and the curatorial practices involved. Students will develop skills to talk about images, content, and technique in regards to printmaking. Opportunities for exploration of your own personal expression through printmaking will be emphasized. Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism, and Aesthetics. There will be sketchbook assignments as proficient drawing skills are essential for success.

SCULPTURE 1

Credit : .5; semester; Grades 10, 11, 12

Materials Fee : \$20

Prerequisite : Art Survey

Course Objectives : Students will be acquainted with the basic aspects of designing, shaping, and forming three-dimensional works of art. Students will work with a variety of materials, such as stone, metal, wax, and paper. Students will use Google Classroom to document their artwork and the processes they learned to create their artwork in class. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to Sculpture. There will be sketchbook assignments as proficient drawing skills are essential for success.

INDEPENDENT STUDY VISUAL ART

Credit: .5; semester; Grades 11, 12

Materials Fee : \$20

Required: Visual Art Instructor Recommendation **AND** Prerequisites outlined below

Prerequisites: Successful completion of Art Survey **AND** Levels 1 **AND** 2 in art classes pertaining to the area of student's interest in the following Visual Art areas: Drawing, Painting, Ceramics, Sculpture, or Graphic Design

Course Objectives: The student will advance their understanding and proficiency in a specific area of art. They will study, research and practice a selected area of art, collaborate on portfolio presentations and art installations, and develop a body of work that is directed to their individual art goals, in addition to exploring higher education and career goals. Students accepted as Independent Study candidates will write a study proposal to be approved by the teacher. This will be presented to the instructor at the beginning of the semester and serve as the syllabus. Students take the course in concurrence with current Level 2 offerings, and will be evaluated weekly during class time. A formal evaluation will occur at mid-term and the end of each quarter. Failure to meet the proposal's agreed upon in requirements will result in the student being exited from the Independent Study and the student will receive an F grade.

Business

ADVANCED DIGITAL AND SOCIAL MEDIA PROMOTION

Credit: .5; One semester, Grades 11, 12

Prerequisite: None

Course Objectives: In this course, students will develop advanced knowledge and practical skills in digital and social media promotion. Students will enhance their skills in digital creation and editing, while acquiring new skills and knowledge in communication, promotion and public relations. Students will work to promote a wide range of activities. Promotions will include a wide range of activities, clubs, sports and events taking place at Flathead High School throughout the academic year. These promotions and creative digital media productions will be achieved by using a variety of platforms including Facebook, Instagram and Twitter. Topics covered will include social media management, digital footprint, online safety, privacy, utilizing new media technologies, digital citizenship, using and interpreting social media analytics, and digital content production.

A.C.E. 1 (ACADEMIC & CAREER EXPLORATION 1) C.C.R. COLLEGE CAREER READINESS

Credit: .5; One semester, Grade 9

Prerequisite: None

Course Objectives: This course is designed to introduce students to their future after high school. With foundations starting in goal setting, students will review their personal preferences and skills as a means to learning about future career options. This exploration will continue with multiple post-secondary options and how they can be developed into careers. Students will create a professional portfolio that includes a cover letter, resume, application and interview techniques and tips. Throughout this course, students will develop an understanding of their responsibilities as digital citizens in different technological platforms. Skills developed in this course will be immediately applicable in the classroom and transferable to the real world.

ACCOUNTING 1

Credit: .5; One semester; Grades 10, 11, 12

Prerequisite: None

Course Objectives: Students will learn the accounting cycles for sole proprietorships and partnerships. The accounting cycle covers analyzing transactions, journaling, posting, petty cash, financial statements, and adjusting and closing entries.

ACCOUNTING 2

Credit: .5; One semester; Grades 10, 11, 12

Prerequisite: Minimum grade of "C" in Accounting 1

Course Objectives: This course expands on topics learned in Accounting 1. Students will increase their knowledge to corporate accounting and learn to create income statements and balance sheets. Students will also learn about depreciation and end of fiscal period entries for a corporation. Computerized accounting is integrated into this course.

ACCOUNTING 3

Credit: .5; One semester; Grades 11, 12

Prerequisite: Accounting 1, and a Minimum grade of "C" in Accounting 2

Course Objectives: The course expands on topics learned in Accounting 1 & 2, while adding departmental accounting (corporation) and introducing different accounting control systems used by today's businesses. This level of accounting helps provide students with the background and preparation for jobs and careers. It is also an excellent background and preparation for college business majors. Computerized accounting is integrated into this course.

BUSINESS AND MANAGEMENT IB (SL or HL)

Credit: 1.0; Full Year; Grade 11, 12

Prerequisite: None

Course Objectives: Business and Management is a rigorous and dynamic discipline that examines business decision making processes and how these decisions impact and affect internal and external environments. It is the study of both the ways in which individuals and groups interact in an organization and of the transformation of business resources. Business and Management is now offered as both a Standard Level (1 year) class and a Higher Level (2 year) class, and students at both levels can choose to test for potential college credit.

The Diploma Programme Business and Management course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices and skills. The application of tools and techniques of analysis facilitates an appreciation of complex business activities. The course considers the diverse range of business organizations and activities and the cultural and economic context in which business operates. Emphasis is placed on strategic decision-making and the day-to-day business functions of marketing, production, human resource management and finance. Links between the topics are central to the course, and this integration promotes a holistic overview of business activity.

The course encourages the appreciation of ethical concerns and issues of corporate social responsibility in the global business environment. Topics covered are Business Organization, Human Resources and Management, Marketing, Accounts and Finance, and Operations. Students complete current events and apply their knowledge via case studies and current businesses and their operations. Trending technology is used to help present and assess student learning. The course Internal Assessment consists of researching a business, in order to understand a current challenge and recommend an appropriate solution.

The HL offering is an extension of the standard level course. Students will further their learning of the 5 Business Units, taking all concepts to a more detailed level, applying more tools and theories. The HL course adds Business Strategy and the nature of the internal assessment task and exam questions. There will be more extensive assignments and projects and HL students will help facilitate learning/seminars for current SL students. HL students will have the opportunity to test at the end of their second year, with higher exam requirements and standards.

COMPUTER SCIENCE A (CSA-JAVA 2)

Credit: .5; One Semester, Grades 10-12

Prerequisite: CSA-Java 1, Algebra 1; Algebra 2 is strongly recommended.

Course Objectives: Computer Science A (CSA Java 2) follows up on CSA-Java 1. Students continue to learn software engineering and object-oriented programming and design using the Java programming language. This curriculum covers a broad range of topics, including the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. Software development and design is a core component of writing apps and software that users interact with every day. This curriculum seeks to develop software engineering skills and expose students interested in pursuing a computer science education to industry best practices while learning the Java programming language.

CYBERSECURITY

Credit: .5; One Semester; Grades 11-12

Prerequisite: ICS-1 and ICS-2. Strongly recommended that students have completed or are enrolled in Algebra 2.

Course Objectives: Introduction to Cybersecurity provides an online early college option for high school students to explore cybersecurity topics and opportunities for careers. Students will develop a foundational understanding of Cybersecurity and its relation to information and network security. Upon completion of the course, students will earn 3 University of Montana college credits.

INTRODUCTION TO BUSINESS

Credit: .5; One semester; Grade 9, 10, 11

Prerequisite: None

Course Objectives: Introduction to business introduces the basics of current business trends in our global economy. You will learn all the elements from small business to corporations...human resources, management, marketing, sales, operations, finance, etc. In addition, you will understand ethics in the workplace, and how to survive in the evolving workforce...skills for a lifetime, regardless of your future! The class is extremely interactive and student driven, based around current events, real world relevance, group work, and games. Intro to business is a foundation for future business classes you can take at FHS.

INTRODUCTION TO COMPUTER SCIENCE 1 (ICS-1)

Credit: .5; One Semester; Grades 9-12

Prerequisite: None. Strongly recommended that students have completed or are enrolled in Algebra 1.

Course Objectives: Introduction to Computer Science is an entry-level, one-semester course that introduces you to the foundations of modern computing. The course covers a broad range of foundational topics such as how computers work, programming in JavaScript, foundational computer science constructs and app design.

INTRODUCTION TO COMPUTER SCIENCE 2 (ICS-2)

Credit: .5; One Semester; Grades 9-12

Prerequisite: ICS-1. Strongly recommended that students have completed or are enrolled in Algebra 1.

Course Objectives: Introduction to Computer Science 2 is a follow up to ICS-1 and builds on the knowledge about how computers work and how to use computers to solve problems. The course extends the understanding of foundational topics such as how the internet works, programming in JavaScript, algorithms, complex functions, data science and cybersecurity.

INTRODUCTION TO MULTIMEDIA

Credit: .5; One semester Grade 9, 10, 11

Prerequisite: None

Course Objective: This competency-based course enables students to develop the necessary skills and competencies for creating multimedia and video productions. Students learn proper video camera techniques, digital video editing, digital signage, digital storage, trade standards, workflow, script writing, directing, production responsibilities, and computer generated graphics. Some of the software covered in this class is Adobe Creative Suite and Premiere Elements.

MARKETING 1

Credit: .5; One semester; Grades 10, 11, 12

Prerequisite: None

Course Objectives: Marketing offers you real life learning as you develop skills which are essential in the business world. This course helps students develop and promote speaking and technology skills to present information to a variety of audiences. Units include advertising, economic systems, product development, international marketing, sales, and marketing plans.

MARKETING 2

Credit: .5; One semester, Grades 10, 11, 12

Prerequisite: Marketing 1

Course Objectives: Marketing II challenges students to build upon the perspective of marketing principles, strategies, and practices that were introduced in Marketing I. Students will learn and practice skills in the functional areas of marketing: channel management, marketing-information management, market planning, market research, pricing, promotion, product management and professional selling. Other areas of emphasis include human resources, strategic planning, e-commerce, international marketing, sports marketing, and global marketing. In addition, the majority of students are involved in DECA (Distributive Education Clubs of America) and leadership activities. Additionally students will compete in the Montana High School Business Challenge. In addition, students will be able to develop skills to market themselves in the business world.

PERSONAL FINANCE

Credit: .5; One semester; Grades 10, 11, 12 (Strongly recommended sophomore year)

Prerequisite: None

Course Objectives: This course is a semester long class which will give students the tools and skills to manage their money now and in the future. Students will learn what to do with their money by learning about financial options and responsibilities, in addition to learning about the consequences of mismanaged finances. This course will examine knowing your personal wants vs. needs, paycheck taxes and year end taxes, financial institution budgets, consumer protection, investment options, buying an automobile, renting, home buying, loans and retirement options. Students will learn financial concepts through the use of simulations, investment planning, decision-making, and examination of current issues. Students will participate in a live stock market game/competition, in order to better understand investing.

PHYSICAL COMPUTING 1-4

Credit: .5; One Semester each; Grades 10-12

Prerequisite: ICS-1 and ICS-2. Strongly recommended that students have completed or are enrolled in Algebra 2.

Course Objectives: The Physical Computing series of courses starts with Physical Computing 1 and progresses through up to Physical Computing 4; students can take up to four semesters of the course. Physical computing allows students to take what they have learned about programming architecture and apply it to physical objects. By completing multi-step, multi-level projects, students will engage in problem solving and engineering processes to accomplish a larger goal of making innovative products. Some of the objects students will work on include small circuit boards, robots and drones.

SCHOOL BASED ENTERPRISE ONE (SBE – Southside Coffee)

Credit: .5 for class +.5 for lab; Semester; Grades 10,11, 12

Note: Must be concurrently enrolled in SBE Lab for semester

Prerequisite: Introduction to Business, Marketing I, or Instructor Approval

Course Objectives: In School Based Enterprise One, students will learn foundational skills of operating their own business which they will be able to master in conjunction with the SBE Lab. During their class time, students will learn foundational business concepts in marketing, management, finance, operations, production, technology, and customer service. They will work in different business departments throughout the year collaborating with both peers and staff on how to continue the growth of Southside Coffee. They will practice their skill set during their SBE lab time where they will run the coffee shop. Collaboration between peers in terms of the daily operations of the shop and acquired knowledge during class will help students to develop into problem solvers, deductive reasoners, and independent learners. All skills that will be applicable in life after high school.

SCHOOL BASED ENTERPRISE TWO (SBE – Southside Coffee)

Credit: .5 for class +.5 for lab; Semester; Grades 10, 11, 12

Note: Must be concurrently enrolled in SBE Lab for the semester

Prerequisite: School Based Enterprise One

Course Objectives: In School Based Enterprise Two, students will expand upon their knowledge in foundational skills of operating their own business which they will be able to master in conjunction with the SBE Lab. During their class time, students will take their foundational skills and grow them in the concept of a management position in marketing, management, finance, operations, production, technology, and customer service. They will work in different management roles throughout different business departments during the course of the semester. They will collaborate with both peers and staff on how to continue the growth of Southside Coffee from a management view. They will practice their skill set during their SBE lab time where they will run the

coffee shop. Collaboration between peers in terms of the daily operations of the shop and acquired knowledge during class will help students to develop into problem solvers, deductive reasoners, and independent learners. All skills that will be applicable in life after high school.

SCHOOL BASED ENTERPRISE THREE (SBE – Southside Coffee)

Credit: .5 for class +.5 for lab; Semester; Grades 10, 11, 12

Note: Must be concurrently enrolled in SBE Lab for the semester

Prerequisite: School Based Enterprise Two

Course Objectives: In School Based Enterprise Three, students will continue to expand upon their knowledge in foundational skills of operating their own business, which they will be able to master in conjunction with the SBE Lab. During their class time, students will continue to take their foundational skills and grow them within the scope of managerial positions in marketing, management, finance, operations, production, technology, and customer service. They will work in different management roles throughout different business departments during the course of the semester. They will collaborate with both peers and staff on how to continue the growth of Southside Coffee from a management viewpoint. They will practice their skill set during their SBE lab time where they will run the coffee shop. Collaboration between peers in terms of the daily operations of the shop and acquired knowledge during class will help students to develop into problem solvers, deductive reasoners, and independent learners. All skills that will be applicable in life after high school.

FOUNDATIONS OF LEADERSHIP 1

Credit: .5; One Semester; Grade 10, 11, 12

Prerequisites: Application and signature from the instructor

Course Objectives: To help students identify and enhance their own leadership strengths and guide them to become better servant leaders throughout our community. Through a series of lectures, guided interaction, group exercises and community service, students will explore the principles of servant leadership and learn to develop individual and group leadership skills to impact their lives and community. Content areas include decision making, goal setting, effective communication, servant leadership, organization and time management skills, conflict/negotiation strategies, team building, and concrete strategies to implement positive change throughout our school and community. Foundations of Leadership is run in conjunction with The Brave Mentoring program. Students who enroll take on the leadership position of Executive Mentor within The Brave Mentoring program. Students work collaboratively with their peers to create mentoring lessons to share with freshmen students. With these lessons, students are able to practice and implement their acquired leadership skills, while growing the culture of FHS. The Foundations of Leadership adventure starts in early August with the Leadership training and retreat where the concept of servant leadership is introduced. This retreat and training is the kick start to The Brave Mentoring Program and the foundation of the curriculum that will be taught throughout the semester.

FOUNDATIONS OF LEADERSHIP 2

Credit: .5; One Semester; Grade 11, 12

Prerequisites: Application and signature from the instructor

Course Objectives: To help students identify and enhance their own leadership strengths and guide them to become better servant leaders throughout our community. Through a series of lectures, guided interaction, group exercises and community service, students will explore the principles of servant leadership and learn to develop individual and group leadership skills to impact their lives and community. Content areas include decision making, goal setting, effective communication, servant leadership, organization and time management skills, conflict/negotiation strategies, team building, and concrete strategies to implement positive change throughout our school and community. Foundations of Leadership is run in conjunction with The Brave Mentoring program. Students who enroll take on the leadership position of Executive Mentor within The Brave Mentoring program. Students work collaboratively with their peers to create mentoring lessons to share with freshmen students. With these lessons, students are able to practice and implement their acquired leadership skills, while growing the culture of FHS. The Foundations of Leadership adventure starts in early August with the Leadership training and retreat where the concept of servant leadership is introduced. This retreat and training is the kick start to The Brave Mentoring Program and the foundation of the curriculum that will be taught throughout the semester.

Career And Technical Education

Agriculture

The Agricultural Education program provides students with courses that emphasize premier leadership, personal growth, and career success. Courses are designed for students preparing for careers and a lifetime of informed choices in the global agriculture, food, fiber, and natural resource systems. Housed at the Agricultural Education Center, the curriculum is embedded with real agriculture which provides students the opportunity to creatively solve problems and develop the technical knowledge and skills desperately needed in today's workforce. Learning comes alive for students as they engage in subjects through hands-on methods in areas including animal science, plant science, Ag mechanics, Ag business, natural resources, and leadership development. Supervised Agricultural Experience (work-based learning) is a component which promotes record-keeping and the application of knowledge and skills to the real world. Students are also encouraged to participate in the FFA, an organization which functions as an integral part of the agricultural courses and provides endless opportunities at the local, district, state, and national level.

AGRICULTURE 1, ENGLISH 9, AND BIOLOGY

Credit: 1.0 Career & Technical, 1.0 English, and 1.0 Science Grade 9

Materials Fee: \$15

Prerequisite: None

Agricultural Education 1 is the introductory course to agriculture. We will take an exciting look at career pathways in agriculture (more than 300 career titles) and learn skills which are transferable to any occupation. Subjects taught within the Ag 1 curriculum will include the following: animal science, veterinary science, recordkeeping, Parliamentary Procedure, shop safety, woodworking, metals (oxy/fuel & plasma cutting), and National Tractor Safety Certification program, Introduction to FFA and leadership.

English 9 is offered in conjunction with Agriculture 1.

See Description of English 9 in the English Language Arts Section - Page 30 Biology is offered in conjunction with Agriculture 1.

Biology is the "study of living organisms". Main areas of study may include: ecology, chemistry of life, cell biology, genetics and heredity, adaptation, and the human role in the development and progression of biology and technology with attention to agriculture. In addition, general science skills, lab safety, problem solving, writing, and reading and interpreting scientific articles will be stressed. Topics and skills meet the state and national standards and the Common Core Curriculum Standards.

AGRICULTURE 2 AND ENGLISH 10

Credit: 1.0 Career & Technical and 1.0 English Grade 10

Materials Fee : Yes, for Agriculture 2: \$15

Prerequisite : None

Course Objectives : The Agriculture 2 curriculum is designed for students to develop interests and learn career skills related to the agriculture industry. Subjects taught within the Ag 2 curriculum will include the following: crop science, livestock evaluation, welding, parliamentary procedure, prepared public speaking, greenhouse horticulture, animal science, equipment maintenance. FFA is an intra curricular part of all Ag classes.

AGRICULTURE 3

Credit: 2.0 Career & Technical (double periods) Grade 11

Materials Fee : \$15

Prerequisite : None

Course Objectives : Ag Education 3 class will take an exciting look at numerous career skills and opportunities related to agriculture. We will learn veterinary science skills, advanced animal science techniques, pasture and range management, and sales and service components that are desperately needed by industry. We will also develop needed knowledge and skills pertaining to the construction and engineering trades. This will include residential wiring, surveying, tractor and equipment safety and handling, residential construction. Along with these units of instruction, we will develop our leadership skills and abilities through FFA.

AGRICULTURE 4 AND ECONOMICS

Credit: 1.5 Career & Technical and 0.5 Social Studies elective (double periods) Grade 12

Materials Fee : \$15

Prerequisite : None

Course Objectives : The Agriculture 4 curriculum is designed for students to develop interests and learn career skills related to the agriculture and natural resources industry and is the capstone course for seniors in Ag Education. Subjects taught within the Ag 4 curriculum will include the following: Ag careers, precision agriculture, animal science, small engines, Ag business, economics, commodity marketing, and an annual senior project to better the Ag Education Center. Students will have the opportunity to continue development of their leadership skills and abilities through active participation in the FFA.

NATURAL RESOURCES OF MONTANA

Credit: 2.0; Career & Technical; Full year; Double Period; Grades 10, 11, 12

Location: Agricultural Education Center

Materials Fee : \$15

Prerequisite : None

Course Objectives: This class will explore the following careers: wildland fire management; wildlife and fisheries management; timber industry of western Montana; hunting, summer and winter sports recreation; range management; mining and petroleum industries. Students will also work closely with industry professionals within the classroom and in the field while developing an understanding of the careers tied to natural resource management in Montana. Students will have the opportunity to continue development of their leadership skills and abilities through active participation in the FFA.

AG BOTANY

Credit 1.0 science; Semester; Double Period; Grades 11, 12

Location: Agricultural Education Center

Materials Fee: \$0

Prerequisite: Successful completion of two credits of core discipline science courses, including Biology. This course cannot be used to meet the two credit core discipline science course requirements.

Course Objectives: Ag Botany class is a hands-on, lab based class using the resources at the Ag center. Students will develop knowledge and skills pertaining to soil formation, soil profile, soil erosion, management practices, soil conservation (agronomy), nutrient testing, fertilizer amounts and nutrient cost. Students will understand photosynthesis and the factors that affect the rate of photosynthesis, absorption and transpiration. Plant anatomy and physiology will be included, along with the process of seed germination. Students will classify common crops/biological pathogens and learn about prevention of weeds/plant diseases. Biotechnology practices and applications in agriculture will be included, along with listening and spending time with professionals in plant and soil science careers.

VETERINARY SCIENCE

Credit: 2.0; Career & Technical and Science; Full year, double period; Grade 11 & 12

Materials Fee : \$15

Prerequisite : None

Course Objective : Veterinary Science will develop knowledge and skills pertaining to large animals (cattle, sheep, pigs) and small animals (cats and dogs) while exploring a variety of careers in veterinary medicine. We will learn proper animal handling, anatomy, diseases, nutrition, and reproduction along with the body systems of the animal. These systems include but are not limited to circulatory, respiratory, skeletal, nervous system, etc. We will listen to and spend time with doctors of veterinary medicine, veterinary technicians as well as nutrition specialists. Along with these units of instruction, we will develop our leadership skills and abilities through FFA.

AG WELDING 1 (BEGINNING WELDING)

Credit: 1.0; Career & Technical; Agriculture, one semester, double period. Grades 10, 11, 12

Prerequisite: None

Materials Fee: \$15

Location: Ag Education Center

Course Objectives: This course focuses on beginning the welding process to include shop and workplace safety, (SMAW) Shielded Metal Arc Welding and (OFC) Oxy/Fuel Cutting. Students will also be introduced to material costs and construction and welding drawings. Concurrent enrollment with FVCC - Welding 111. Along with these units of instruction, we will develop our leadership skills through FFA

AG WELDING 2 (INTERMEDIATE WELDING)

Credit: 1.0; Career & Technical; Agriculture one semester, double period. Grades 11, 12

Prerequisite: Ag Welding 1

Materials Fee: \$15

Location: Ag Education Center

Course Objectives: This course ventures in-depth into the following welding processes Advanced (SMAW) Shielded Metal Arc Welding, (GMAW) Gas Metal Arc Welding, (GTAW) Gas Tungsten Arc Welding, (OFC) Oxy/Fuel Cutting, Plasma Arc Cutting (PAC) and the CNC Plasma Table. Students plan, design, and fabricate large steel projects for the Ag Welding program, community, or for themselves. Along with these units of instruction, we will develop our leadership skills- through FFA.

AG WELDING 2 (INTERMEDIATE WELDING)

Credit: 1.0; Career & Technical; Agriculture one semester, double period. Grades 11, 12

Prerequisite: Ag Welding 1

Materials Fee: \$15

Location: Ag Education Center

Course Objectives: This course ventures in-depth into the following welding processes Advanced (SMAW) Shielded Metal Arc Welding, (GMAW) Gas Metal Arc Welding, (GTAW) Gas Tungsten Arc Welding, (OFC) Oxy/Fuel Cutting, Plasma Arc Cutting (PAC) and the CNC Plasma Table. Students plan, design, and fabricate large steel projects for the Ag Welding program, community, or for themselves. Along with these units of instruction, we will develop our leadership skills- through FFA.

AG WELDING 3 (ADVANCED WELDING) (DIRECTED STUDY)

Credit: 1.0 or 2.0; Career & Technical one semester or full year; double period. Grade 12 Only

Prerequisite: Ag Welding 2; limited space is available; runs concurrent with lower level courses in the Welding Program. Instructor's approval.

Materials Fee: \$15

Location: Ag Education Center

Course Objectives: This course focuses on students that are considering careers within the welding industry and on advanced (SMAW) Shielded Metal Arc Welding including expanded practices in vertical and overhead welding. Students will be eligible to test for limited welding qualification at the end of the semester. Concurrent enrollment with FVCC - Welding 185. Along with these units of instruction, we will develop our leadership skills through FFA.

Architecture/Computer Aided Design

DRAFTING/CAD 1

Credit: .5; Semester; Grades 9, 10, 11, 12

Prerequisite: None

Course Objectives: This course is designed to give the student a thorough basic knowledge of skills in the areas of drafting and design techniques. Areas of drawing styles to be covered include; Orthographic projection, Geometric construction, Auxiliary views, Isometrics, Oblique views, Sectioning and Perspective. Sketching and board drawing will be the introduction and foundation of design but AutoCAD and Fusion 360 will be emphasized more as the class progresses with AutoCAD as its primary software package.

CAD/CAM 2

Credit: 1.0; Year; Grades 10, 11, 12

Prerequisite: Drafting/CAD 1

Course Objectives: This course is designed to give the student a broader knowledge and foundation in drafting while emphasizing problem solving and creative design. Topics will include shape and pattern development, orthographic projection, 3-D design using AutoCAD, Solidworks and Fusion as their primary software packages. Architecture will be discussed and designed using AutoCAD Architecture. Students will develop models of their designs with a 3D printer.

Dual Enrollment: In this course you will also have the opportunity to earn dual enrollment credits through FVCC. The two courses are DDSN 114 AutoCAD and DDSN 135 SOLIDWORKS. These are 3 college credits each.

CAD/CAM 3

Credit: 1.0; Year; Grades 11, 12

Prerequisite: CAD/CAM 2 or Instructor Approval

Course Objectives: This course is designed to give the student additional experience in architectural drafting and mechanical drafting. The areas covered in Drafting/CAD 1 & CAD/CAM 2 will be explored in greater depths. Design and individual study problems will be stressed. Study materials covered should further prepare the student for practical application of drafting procedures as well as post-secondary level. The majority of the time will be spent using SOLIDWORKS and Revit for 3D modeling and Architecture.

CAD/CAM 4

Credit: 1.0; Year; Grade 12

Prerequisite: CAD/CAM 3 or Instructor Approval

Course Objectives: This course takes on real life projects that relate to the field of design. Each student can expand his or her interest level through a single CAD software package or a combination of the following: AutoCAD, SOLIDWORKS, Fusion, Revit which can animate designed objects. A portfolio and professional resume will be required. This course is designed to explore many facets of house design and construction of residential design. Working drawings will be created into a resume to use for future job opportunities. Students will primarily use two software packages. Real life applications will have an emphasis in this course with a few field trips.

Biomedical Science Program

BIOMEDICAL SCIENCE 1: PRINCIPLES OF THE BIOMEDICAL SCIENCES

Credit: 1.0; Full year; Grade 9, 10

Prerequisite: None

Course Objective: This is the introductory course to the Biomedical Science Program. Students will explore concepts of biology and medicine including clinical and emergency care, genetics and medical innovation. Activities include researching the death of a fictional person, taking and understanding vital signs, controlling severe bleeding, inserting IVs, and identifying the cause of hospital outbreaks. The activities and projects introduce students to human physiology, basic biology, medicine and research processes while allowing them to design their own experiments to solve problems.

BIOMEDICAL SCIENCE 2: HUMAN BODY SYSTEMS

Credit: 1.0; Full year; Grade 10, 11 or 12

Prerequisite: None

Course Objective: FHS Biomedical Science classes provide instruction on human sexuality as it relates to professions in the medical field. A parent, guardian, or other person who is responsible for the care of a child may opt out of their child's participation in human sexuality instruction. This includes instruction delivered by district staff or guests invited at the request of the district during class, at an assembly, or at an organized school function. Please contact your student's teacher if you would like to opt out of human sexuality education.

BIOMEDICAL SCIENCE 3: MEDICAL INTERVENTIONS

Credit: 1.0; Full year; Grade 11 or 12

Prerequisite: Successful completion of Biomedical Science 2: Human Body Systems or successful completion of Biomedical Science 1: Principles of Biomedical Science. This class may be taken concurrently with other classes in the program.

Course Objective: Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; conquer cancer; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics. Students will grow bacteria, learn to suture, create prosthetic arms, perform hearing tests, screen for cancer of fictitious patients and for genetic traits.

BIOMEDICAL SCIENCE 4: BIOMEDICAL INNOVATION

Credit: 1.0; FVCC credit: 3 for BIOB 105; Full year; Grade 12

Prerequisite: Successful completion of two prior courses in the Biomedical Science Program

Course Objective: In the final course of the Biomedical Sciences sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or adviser from a university, medical facility, or research institution. Biomedical Innovations includes Introduction to Biotechnology, a dual credit course offered with Flathead Valley Community College. Introduction to Biotechnology provides an overview of the field of biotechnology through case studies, lab experiments and projects. This dual credit course will include an introduction to the rapidly-expanding field of biotechnology and its application to human and veterinary medicine, agriculture, biofuels, bioremediation, and bioinformatics.

MEDICAL TERMINOLOGY

Credit: 0.5; FVCC credit: 3; One semester; Grade 11 or 12

Prerequisite: None

Course Objective: This dual credit course teaches students the language of medicine by breaking apart complex medical words into their word parts. Medical terminology is taught from an anatomical approach, meaning that each unit is taught centered around a specific body system. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological conditions, and treatment of selected systems. Upon completion, students should be able to pronounce, spell and define medical terms as related to selected body systems and their pathological disorders.

Construction Skills

HOUSE CONSTRUCTION 1 & 2

Credit: 2.0; Year long, Double period; Grades 10, 11,12

Materials Fee: \$15

Prerequisite: Woods 1 or Intro to Building Trades **NOT OPEN TO SENIOR EARLY GRADUATES**

Course Objectives: Imagine having the satisfaction of building a home that will last for generations. Standing back and being able to say "I built that " is a great accomplishment. If you enjoy working with your hands and take pride in your work, a building trades career could be what you are looking for! At Flathead High School, instruction is made more realistic through the construction of a 3-bedroom home. Varied hands-on experiences will be gained including rough framing, roofing, cabinetmaking and finishing. Other experiences will include contracting, electricity, estimating/sales, architecture, plumbing, concrete construction.

INTRO TO BUILDING TRADES

Credit: 0.5; Semester; Grades 9, 10, 11, 12

Materials Fee : \$15 course fee

Prerequisite : None

Course Objectives : The Introduction to Building Trades course is designed to introduce the student to the basics of the Carpentry, Electrical, Masonry, and Plumbing trades. Actual hands-on experience gives the students valuable experience as they develop their skills. As part of their work, students will assemble floor, wall, and roof sections from plans as well as install electrical and plumbing systems typically found in residential structures.

TECHNOLOGY EDUCATION

Credit: 0.5; Semester; Grades 9, 10, 11, 12

Materials Fee : \$15

Prerequisite : None.

Course Objectives : Technology Education is a hands-on problem solving class. It will cover problem solving methods along with critical thinking through hands-on problems and activities. Activities will relate to Transportation, Manufacturing, Communication and Mass Production. There will be both group and individual projects included. Grading will be based primarily on participation and effort.

WOODS 1

Credit: .5; One semester; Grades 9, 10, 11, 12

Materials Fee : \$15 course fee

Prerequisite : None

Course Objectives : Introduction to the technology of woodworking trades, students will learn how to safely operate all the tools in the shop along the process of building a bench or small table. Jointer, planer, table saw, band saw, radial arm saw, drill press, router, power sanders, joinery, planning, assembly, finishing, and care of and safety with tools and equipment. Students will complete two projects during the semester.

WOODS 2

Credit: 1.0; Year long, single period; Grades 10, 11, 12

Materials Fee : \$15

Prerequisite : Woods 1 or Intro to Building Trades

Location: FHS

Course Objectives : This course is designed for the student who has completed Woods 1 or Intro to Building Trades. Instruction will be centered around practical, hands-on application with wood on both required and student-engineered projects. A real world emphasis will be placed on the class content by not only improving upon existing wood working knowledge but also by working cost analysis, shop time and space constraints, correct jointing procedures, and layout, and proper selection of equipment and techniques best suited for the project at hand. Machine/equipment maintenance will also be covered in depth.

WOODS 3

Credit: 1.0; Year long, single period; Grades 11, 12

Prerequisite : Woods 1 and 2

Materials Fee : \$15

Course Objectives: This course is designed for the student who has completed Woods II. Instruction will be centered around practical, hands-on application with wood on both required and student-engineered projects. A real world emphasis will be placed on the class content by not only improving upon existing wood working knowledge but also by working cost analysis, shop time and space constraints, correct jointing procedures, and layout, and proper selection of equipment and techniques best suited for the project at hand. Machine/equipment maintenance will also be covered in depth. Students will build or construct projects for Flathead High School.

WOODS 4

Credit: 1.0; Year long, single period; Grades 12

Prerequisite : Woods 1, 2, and 3

Materials Fee : \$15

Course Objectives: This course is designed for the student who has completed Woods III. Instruction will be centered around practical,

hands-on application with wood on both required and student-engineered projects. A real world emphasis will be placed on the class content by not only improving upon existing wood working knowledge but also by working cost analysis, shop time and space constraints, correct jointing procedures, and layout, and proper selection of equipment and techniques best suited for the project at hand. Machine/equipment maintenance will also be covered in depth.. Students will build or construct projects for Flathead High School.

Metals and Manufacturing

INTRODUCTION TO METAL PROCESS

Credit: .5; one semester, single period; Grades 9, 10, 11, 12 Prerequisite: None

Materials Fee: \$15 Location: FHS

Course Objectives: This course allows students an opportunity to explore various careers in manufacturing and the metals industry. The focus of this course is on fundamentals in machining processes, metal bending and forging processes, and automation/robotics in manufacturing. Students may tour local manufacturing facilities.

Automotive

AUTOMOTIVE 1: ENGINES

Credit: 0.5; Semester; Grades 9, 10, 11, 12

Materials Fee: \$15

Prerequisite: None, Preference is given to Grade 10, 11, 12

Course Objectives: Auto 1 is for anyone who will own a car and for anyone who likes to work with their hands and wants more hands-on skills. Students will disassemble a small engine and learn how it works and then make it run again. Students will learn about the design & operation of engines, and how a car works. Auto 1 includes learning on engines, using shop equipment, tire service, and vehicle maintenance. Students will learn mechanical skills, problem solving, related communication, math & science concepts, organization, and job skills in a practical environment. Career College and Trade School opportunities will be explored.

AUTOMOTIVE 2: AUTOMOTIVE TECHNOLOGY

Credit: 0.5; Grades 10, 11, 12

Materials Fee: \$15

Prerequisite: Automotive 1 **AND** Instructor Permission

Course Objectives: Each Student will disassemble a Honda small engine and will bring it back to life again. After that students will complete a skills checklist including oil changes, using tire machines, tire balancers, and other high tech equipment. Automotive 2 covers maintenance of major vehicle systems including Engines; Brakes; Suspensions; Steering; Transmissions & Drive-trains; Heating & A/C; Electrical & Electronics. This course will emphasize positive work habits, following directions, using technical information, safety, organization, career planning, communication, and all current industry standards.

AUTOMOTIVE 3: ADVANCED AUTOMOTIVE TECHNOLOGY

Credits: 2.0; yearlong, double period; Grade 11 & 12

Materials Fee: \$15

Prerequisite: Automotive 2: Automotive Technology

Course Objectives: Auto 3 students will take apart and reassemble a full size vehicle engine from the auto shop collection. Students will complete a skills checklist and have a choice of projects. Students will also be allowed to bring in vehicles for certain repairs. Emphasis will be placed on safety, production, quality work, job skills, and meeting industry standards through testing and performance. Students will have the opportunity to participate in Skills USA competition.

AUTOMOTIVE 4: ADVANCED AUTOMOTIVE TECHNOLOGY

Credits: 2.0; yearlong, double period; Grade 12

Materials Fee: \$15

Prerequisites: Automotive 3: Automotive Technology

Course Objectives: Auto 4 students will have a custom requirement list based on learning needs and future goals. Students will complete a skills checklist and have a choice of projects. Students will also be allowed to bring in vehicles for certain repairs. Emphasis will be placed on safety, production, quality work, job skills, and meeting industry standards through testing and performance. Students will have the opportunity to participate in Skills USA competition.

HEAVY EQUIPMENT OPERATION & MAINTENANCE

Credits: 1.0; Spring Semester, double period; Grade 11 & 12

Materials Fee: None, Work boots & clothing required

Prerequisites: Only available for students with early release spring semester

Course Objectives: Students will learn how to operate and maintain heavy equipment with a sponsoring equipment dealer and a construction company. Students will spend the afternoon at a job site or in an equipment dealership learning how to maintain and operate heavy equipment related to road construction and building site preparation. This opportunity is designed for students who would like to learn by doing and be ready to go directly to work after graduation. Successful students will have the opportunity to continue working at the sponsoring business.

Family And Consumer Sciences

CULINARY ARTS 1

Credit: .5; One semester; Grades 9, 10, 11, 12

Materials Fee: \$15

Course Objectives: “Learn to cook and do it safely.” This class offers to the student an introduction to the amazing world of food preparation, safety, and nutrition. Not only will you sharpen your cooking skills, but you will develop time management, organization, costing, and nutrition analysis skills. Students will have the opportunity to become ServSafe Certified and receive their National Servsafe Food Handlers certificate. A must-have class for “adulthood”! Students will participate in FHS Braves Catering events, FCCLA, and other service opportunities. Reading, writing, math, and science skills will be emphasized as they relate to the course content.

CULINARY ARTS 2

Credit: .5; One semester; Grades 9, 10, 11, 12

Materials Fee: \$15

Prerequisite: Culinary Arts 1

Tech Prep: Yes

Instructor Permission: Yes - for all grades; depending upon experience. Definitely for ambitious, driven students. An informal test/evaluation will be given.

Course Objectives: Take your skills to another level-the food industry! The Learner will explore career opportunities, fine-tune employability skills, critique the dining experience, and create opportunities for culinary, baking, pastry and global cuisine applications. Students will practice ServSafe sanitation techniques, and participate in and help organize FHS Braves Catering events, FCCLA, and other service opportunities.. Reading, writing, math, and science skills will be emphasized as they relate to the course content.

CULINARY ARTS 3 ProStart 1

Credit: 1.0; Full Year; Grades 10, 11, 12

Materials Fee: \$30/year and an additional \$15 fee for ProStart certification exam

Prerequisite: Culinary Arts 1 and Culinary 2 . Instructor permission to be in ProStart will be granted in rare circumstances. CA 1 and CA 2 are necessary preparation for this advanced class.

Course Objectives: This ProStart Curriculum is an industry-driven curriculum that prepares students for a career in restaurant food service production. Students will learn communication skills, safety and sanitation, food preparation-both small and large scale, meal planning, culinary math, and customer service. Students will be required to participate in and help organize FHS Braves Catering Events and other service opportunities. Students will be encouraged to complete the Certificate of Achievement through the national ProStart program and to participate in the state ProStart events Students will be given the opportunity to receive the National Certification in Safety and Sanitation (ServSafe) Managers Certification.

CULINARY ARTS 4 ProStart 2

Credit: 1.0; Full Year; Grades 11, 12

Materials Fee: \$30/year and an additional \$15 fee for the ProStart certification exam

Prerequisite: Culinary Arts 1, 2, and 3. Instructor permission to be in ProStart will be granted in rare circumstances. CA1, CA2 and CA3 are necessary preparation for this advanced class.

Course Objectives: This ProStart Curriculum is an industry-driven curriculum that prepares students for a career in restaurant food service production. Students will learn lifelong leadership skills, Industry driven safety habits, Organizational and developmental skills in food preparation and running a restaurant/catering business. Students will be required to participate in and help organize FHS Braves Catering events and other service opportunities. Students will be encouraged to complete the Certificate of Achievement, 400 industry hours, and competencies through the national ProStart program. Students will be expected to participate in the state ProStart events. Students will be given the opportunity to receive/renew their National Certification in Safety and Sanitation (Serve Safe) Managers Certification.

EARLY CHILDHOOD EDUCATION 1

Credit: .5; One semester; Grades 9, 10, 11, 12

Prerequisite: None

Materials Fee: \$15

Course Objectives: This is a course for students who are interested in becoming a nanny or child-care worker or planning a career in social work, education, the medical field, or psychology. The focus of this course includes stages of child development, parenting skills, developing entry level job skills, beginning requirements for Child Development Associate Certificate, and renewing CPR certification.

EARLY CHILDHOOD EDUCATION 2 (FVCC Intro to Early Childhood EDEC 108)

Credit: .5; One semester; Grades 9, 10, 11, 12 Concurrent Enrollment in Intro to Early Childhood EDEC 108 at FVCC for 3 college credits.

Prerequisite : Early Childhood Education 1

Materials Fee : \$15

Tech Prep : Yes

Course Objectives : This course provides an overview of early childhood history, practice and relevant issues, focusing on program philosophies and the importance of developmentally appropriate practices in early childhood settings. Students will learn of the unique needs of young children and families. Students will also learn about professional opportunities in the field of early childhood.

Upon successful completion of this course, the student should be able to: Recognize the different types of program philosophies in early education, understand early childhood in a historical context, understand the need for developmentally appropriate program planning for young children, set goals for future learning and professional growth and development in early childhood education, complete the "Early Childhood Essentials" licensure coursework expectations.

HOUSING AND INTERIOR DESIGN

Credit: .5; One semester; Grades 9,10, 11, 12

Materials Fee : \$15

Prerequisite : None

Course Objectives : In this level of Housing and Interior Design the students learn the knowledge, foundational skills, and practices required for careers in the Housing and the Interior Design industries. This course focuses on the behavioral, social, economic, functional, and aesthetic aspects of housing and interior design. Instruction includes analyzing, planning, designing, furnishing, and evaluating residential, work, and leisure spaces to meet user needs.

DESIGN 2

Credit: .5; One semester; Grades 10, 11, 12

Materials Fee : \$15

Prerequisite : Housing & Interior Design

Course Objectives: This second level is a combination of Housing/Interior Design and Textile Apparel Design and Fashion. It is an advanced level that addresses the role of color, principles and elements of design, customer service, industry equipment, construction and creation of industry projects through simulation for current industry trends and applications. Sample projects could be professional portfolios, color boards, to scale housing construction, costume designing, fashion construction, upholstery, etc.

DESIGN 3

Credit: .5; One semester; Grades 10, 11, 12

Materials Fee : None

Prerequisite : Design 2

Course Objectives : Job shadowing, internships, work-based learning opportunities, and/or employment in housing and interior design/textiles, fashion, and apparel careers or industries are acquired with hours recorded and experiences documented for educational and career advancement.

TRAVEL AND TOURISM

Credit: .5; One semester; Grades 9, 10, 11, 12

Materials Fee : \$15

Prerequisite: None

Course Objectives:This is an introductory course for travel and tourism with a look at the local, state, and global opportunities in the area from a career and/or guest using the services of the industry. Modes of transportation-air, train, ship, lodging and hospitality, and career opportunities will be covered. Students will use reading, writing, science, and mathematical skills to enhance their knowledge of the tourism industry. Learners also have the opportunity to become Montana SuperHost certified. Reading, writing, math, and science skills will be emphasized as they relate to the course content.

FHS Language Arts Course Offerings at a Glance – Grades 9-12

* STAR KEY FOR LEVEL OF RIGOR:

- 1 / * below grade level reading skills/novice level on assessments/score of 1-3 on Gates Reading Test
- 2 / ** nearing grade level reading skills/novice level on assessments/score of 4 on Gates Reading Test
- 3 / *** at or above average grade level reading skills/proficient or above on grade level on assessments/score of 5-7 on Gates Test
- 4 / **** college capable reading skills/advanced level on assessments/score of 8-0 on Gates Reading Test

	9	10	11	12	Length	IB	recommended challenge level (1 - 4)	Fulfills 11-12 Lit	Fulfills 11-12 Comp	Fulfills 11-12 English Elective
INTEGRATED 9-12										
English 9, Agriculture 1, Biology	•				year (3 per)		1 2 3			
English 9	•				year		1 2 3			
English 9 Honors	•				year		4			
English 10 Communication AND English 10 Literature (register for both)		•			sem. + sem.		2 3			
English 10 / Agriculture 2		•			year (2 per)		1 2 3			
English 10 Honors		•			year		4			
IB Language & Literature 11 (All Versions)			•		year	HL	2 3	•	•	
IB Literature 11			•		year	HL	4	•	•	
IB Language & Literature 12				•	year	HL	2 3	•		•
IB Literature 12				•	year	HL	4	•		•
COMP+LIT 11-12 , ELECTIVES 9-12										
Composition			•		sem.		2 3		•	
LIT CLASSES	Lit: Science Fiction and Fantasy			• •	sem.		2 3	* Literature OR Elective *		
	Lit: Poetry			• •	sem.		2 3	* Literature OR Elective *		
	Lit: Advanced Poetry				sem.		2 3			
	Lit: Theatre as Literature IB			• •	sem.	SL/HL	2 3 4	* Literature OR Elective *		
	Lit: Montana & Native American Lit.			• •	sem.		2 3	* Literature OR Elective *		
	Lit: Mythology			• •	sem.		2 3	* Literature OR Elective *		
	Lit: American Literature			• •	sem.		2 3	* Literature OR Elective *		
ENGLISH ELECTIVES	Publications: Newspaper Journalism		• •	• •	year		2 3 4			•
	Publications: Yearbook		• •	• •	year		2 3 4			•
	Theatre: Acting 1-Process, Practice & Philosophy	• •	• •	• •	sem.		2 3			•
	Theatre: Acting 2 Process & Performance IB	• •	• •	• •	sem.		2 3			•
	Theatre: Acting 3 Directing & Design IB		• •	• •	sem.	SL/HL	2 3			•
	Theatre: Acting 4 Advanced Acting IB		• •	• •	sem.	SL/HL	2 3			•
	Theatre: Technical Theatre 1	• •	• •	• •	sem.		2 3			•
	Theatre: Technical Theatre 2	• •	• •	• •	sem.		2 3			•
	Theatre: Technical Theatre 3		• •	• •	sem.		2 3			•
	Theatre: Technical Theatre 4		• •	• •	sem.		2 3			•
	Speech Workshop	• •	• •	• •	sem.		2 3			•
	Learn and Serve			• •	sem.		2 3			•
	Creative Writing		• •	• •	sem.		2 3			•
	Reading Intervention	• •	• •	• •	sem.		1			
	Success in Reading	• •	• •	• •	sem.		1 2			

ENGLISH LANGUAGE ARTS – GRADUATION REQUIREMENTS

A minimum of **eight semesters** of English is required for graduation. Specific English requirements for graduation are as follows:

9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
English 9 / Agriculture 1 <u>or</u> English 9 <u>or</u> English 9 Honors	English 10 Communication / English 10 Literature <u>or</u> English 10 / Agriculture 2 <u>or</u> English 10 Honors	IB Language & Literature 11 (All Versions) <u>or</u> IB Literature 11 <u>or</u> Composition / Literature Elective	IB Language & Literature 12 <u>or</u> IB Literature 12 <u>or</u> Literature Elective / Literature or General English Elective

ENGLISH LANGUAGE ARTS

*** / ** / *** ENGLISH 9, AGRICULTURE 1, AND BIOLOGY**

Credit: 3.0; Full year, triple periods; Grade 9

Materials Fee : Yes, for Agriculture 1 \$15

Prerequisite : None

Course Objectives : This course has the same objectives as English 9, but is offered in conjunction with Ag 1 and a biology class in a three period block at the HER Ag Center. Please see the full course objectives for English 9 above.

*** / ** / *** ENGLISH 9**

Credit: 1.0; Full year; Grade 9

Prerequisite : None

Course Objectives : This course focuses on writing, speaking, and close reading of fiction and nonfiction literature. Students will write to a variety of purposes and audiences with an emphasis on argumentation and research writing. Students will analyze both formal and informal verbal and nonverbal messages and will participate in class discussions and formal presentations. Language development, style, and grammar and usage skills will be stressed in both close reading and writing practices. Objectives include demonstrating knowledge and competent performance in reading, writing, speaking, listening, and language.

****** ENGLISH 9 HONORS**

Credit: 1.0; Full year; Grade 9

Prerequisite : Placement is based on recommendations of grade 8 teachers and counselors with reference to assessment data.

Course Objective: The course is designed to meet the needs of students with advanced or college capable language skills.

Course Objectives : In addition to covering the curriculum of the standard English 9 course, writing will emphasize analytic writing and literary analysis.

**** / *** ENGLISH 10 COMMUNICATION**

Credit: .5; One semester; Grade 10

Prerequisite : None

Course Objectives : This course focuses on developing speaking, listening, and media literacy skills. While emphasizing public speaking, this course also covers interpersonal and group communication. Verbal and nonverbal messages are analyzed, and listening and media literacy skills are developed. Objectives include demonstrating knowledge and competent performance in speaking, listening and media literacy.

**** / *** ENGLISH 10 LITERATURE**

Credit: .5; One semester; Grade 10

Prerequisite : None

Course Objectives : This course focuses on writing, close reading, analyzing literature and understanding the structure and formal use of the English language. Students will write to a variety of purposes and audiences with an emphasis on argumentation and research writing. The major works of literature for the course include a Shakespearean play and a novel. English language structure, development and adaptability are studied. Objectives include demonstrating knowledge and competent performance in writing, close reading of fiction and nonfiction, and understanding the structure and formal use of language.

*** / ** / *** ENGLISH 10 AND AGRICULTURE 2**

Credit: 2.0; Full year; double periods; Grade 10

Credit: 1.0 Vocational and 1.0 English

Materials Fee: \$15

Prerequisite: None

Course Objectives: The English course combines the curricula of English 10 Communication AND English 10 Literature, both courses required for graduation. Please see the full course objectives for English 10 Communication AND English 10 Literature. This course is offered in conjunction with the Ag 2 class at the HER Ag Center. Please see the Career and Technical Education section for a description of the Ag 2 class.

****** ENGLISH 10 HONORS**

Credit: 1.0; Full year; Grade 10

Prerequisite: Placement is based on recommendations from grade 9 English instructors and counselors with reference to class performance and ability. The course is designed to meet the needs of students with above average or college capable language skills.

Course Objectives: This course combines the objectives of the English 10 Communication and the English 10 Literature classes into a full year course. In addition to meeting the objectives of those classes, English 10H classes will explore topics in greater depth than standard classes, will cover more material, and will focus on analytic writing and speaking skills and knowledge needed for transition into the IB program.

Summer Reading: One novel is required for summer reading. Students should ask the English teacher for the required reading assignment before leaving for summer break (or visit the FHS web page.)

**** / *** IB LANGUAGE AND LITERATURE 11 (HL)**

Credit: 1.0; Full year, grade 11

Materials Fee: Only students intending to seek the IB diploma or IB certificate(s) will have fees during their senior year.

Prerequisite: Completion of English 10.

Course Objectives: IB Language and Literature is designed to meet the needs of students with a wide range of skill levels and prepare students for career ready and college-level reading, writing, and thinking skills. It is the first course in a two-year sequence. The course is designed to be a celebration of all kinds of communication, literary and non-literary texts, as well as a careful analysis of the wide variety of texts and media experienced every day—visual, oral, written, and electronic. It focuses on three key elements: (1) close reading of all kinds of texts, (2) the ways in which culture and context influence texts, and (3) how texts of all kinds are interconnected and related to each other. The emphasis will be on how the first two elements create meaning in a text, examining the roles of context, audience, and purpose (etc.) in cooperation with the impacts and effects of the author's choices. This course is designed for all students in their junior year of high school, and paired with IB Language & Literature 12, any student may test and potentially earn college credit through the International Baccalaureate Programme.

**** / *** IB LANGUAGE AND LITERATURE 11: NATURE & SOCIETY (HL) (BRAVE ADVENTURES)**

Credit: 1.0; Full year, grade 11

Materials Fee: Only students intending to seek the IB diploma or IB certificate(s) will have fees during their senior year.

Prerequisite: Completion of English 10.

Course Objectives: This course offers students who have an interest in nature and the outdoors the opportunity to engage the IB Language & Literature curriculum through the lens of literary and non-literary texts that uses the outdoors & nature as their subject. This course must be taken in conjunction with Montana Ecology (Science) and Outdoor Pursuits (Health Enhancement).

IB Language and Literature is designed to meet the needs of students with a wide range of skill levels and prepare students for career ready and college-level reading, writing, and thinking skills. It is the first course in a two-year sequence. The course is designed to be a celebration of all kinds of communication, literary and non-literary texts, as well as a careful analysis of the wide variety of texts and media experienced every day—visual, oral, written, and electronic. It focuses on three key elements: (1) close reading of all kinds of texts, (2) the ways in which culture and context influence texts, and (3) how texts of all kinds are interconnected and related to each other. The emphasis will be on how the first two elements create meaning in a text, examining the roles of context, audience, and purpose (etc.) in cooperation with the impacts and effects of the author's choices. This course is designed for all students in their junior year of high school, and paired with IB Language & Literature 12, any student may test and potentially earn college credit through the International Baccalaureate Programme.

**** / *** IB LANGUAGE AND LITERATURE 11: GLOBAL INDIGENOUS LITERATURES (HL)**

Credit: 1.0; Full year, grade 11

Materials Fee: Only students intending to seek the IB diploma or IB certificate(s) will have fees during their senior year.

Prerequisite: Completion of English 10

Course Objectives: This course offers students who have an interest in indigenous literary and cultural perspectives the opportunity to engage the IB Language & Literature curriculum through the lens of literary and non-literary texts that uses the Native stories from cultures across the globe as their subject.

IB Language and Literature is designed to meet the needs of students with a wide range of skill levels and prepare students for career ready and college-level reading, writing, and thinking skills. It is the first course in a two-year sequence. The course is designed to be a celebration of all kinds of communication, literary and non-literary texts, as well as a careful analysis of the wide variety of texts and media experienced every day—visual, oral, written, and electronic. It focuses on three key elements: (1) close reading of all kinds of texts, (2) the ways in which culture and context influence texts, and (3) how texts of all kinds are interconnected and related to each other. The emphasis will be on how the first two elements create meaning in a text, examining the roles of context, audience, and purpose (etc.) in cooperation with the impacts and effects of the author's choices. This course is designed for all students in their junior year of high school, and paired with IB Language & Literature 12, any student may test and potentially earn college credit through the International Baccalaureate Programme.

****** IB LITERATURE 11 (HL)**

Credit: 1.0; Full year, grade 11

Materials Fee: Only those students seeking the IB diploma or IB certificate(s) will have fees during their senior year.

Prerequisite: English 10H and English 9H recommended.

Course Objectives: IB Literature is designed to meet the needs of students who are seeking preparation for college-level reading, writing, and thinking skills. It is the first course in a two-year sequence. The course is an academic study of literary fiction and nonfiction with an emphasis on fiction. It focuses on three key elements: (1) close reading of literary texts, (2) the ways in which culture and context influence texts, and (3) how texts of all kinds are interconnected and related to each other. This course is designed for college-bound students in their junior year of high school and is a prerequisite for IB Literature 12. A student who completes both courses may test and potentially earn college credit through the International Baccalaureate Program.

In addition to serving as the first year of the IB curriculum for higher level English, this course counts for graduation purposes as one semester of literature and one semester of composition.

**** / *** IB LANGUAGE AND LITERATURE 12 (HL)**

Credit: 1.0; Full year; Grade 12

Materials Fee: As a component of this course, all students must take the IB external assessments (fee) or the alternate internal assessments (no charge).

Prerequisite: English 11 IB Language & Literature recommended; English 11IB Language & Literature required for external assessments

Course Objectives: IB Language and Literature is designed to meet the needs of students with a wide range of skill levels and prepare students for career ready and college-level reading, writing, and thinking skills. It is the first course in a two-year sequence. This course will continue the close reading and analysis of literary and non-literary texts that began in the previous year. Similarly, it will focus on three essential elements: (1) close reading of all kinds of texts, (2) the ways in which culture and context influence texts, and (3) how texts of all kinds are interconnected and related to each other. The emphasis will be on how the first two elements create meaning in a text, examining the roles of context, audience, and purpose (etc.) in cooperation with the impacts and effects of the author's choices. This course is designed for all students in their junior year of high school, and paired with IB Language & Literature 12, any student may test and potentially earn college credit through the International Baccalaureate Programme.

****** IB LITERATURE 12 (HL)**

Credit: 1.0; Full year; Grade 12

Materials Fee : As a component of this course, all students must take the IB external assessments (fee) or the alternate internal assessments (no charge).

Prerequisite: English 11 IB Literature recommended; English 11 IB Literature required for external assessments

Skill Level: This course is designed to meet the needs of students with above average or college capable language skills. It is open to any student intending to go to college and specifically meets the Language A (Higher Level) requirements for IB diploma candidates.

Course Objectives: IB Literature is designed to meet the needs of students who are seeking preparation for college-level reading, writing, and thinking skills. It is the second course in a two-year sequence. The course is an academic study of literary fiction and nonfiction with an emphasis on fiction. It focuses on three key elements: (1) close reading of literary texts, (2) the ways in which culture and context influence texts, and (3) how texts of all kinds are interconnected and related to each other. This course is designed for college-bound students in their senior year of high school, and if students choose to test in the spring, the course meets the requirements for many colleges and universities for credit.

**** / *** COMPOSITION**

Credit: .5; One semester; Grade 11

Prerequisite: None

Course Objectives: **This course emphasizes writing as a process and focuses on explanatory/informative, argumentative, narrative, and research writing.** Objectives include effective communication for college/career audiences, including idea development, organization, voice, word choice, sentence fluency, and command of standard English conventions. Students also practice the type of writing required on the ACT writing assessment.

**** / *** SCIENCE FICTION AND FANTASY**

Credit: .5; One semester; Grades 11, 12

Prerequisite: None

Course Objectives: **This course is designed to acquaint students with the major writers of science fiction and fantasy and to trace the history and development of the science fiction and fantasy genres.** (A greater emphasis is placed on the science fiction genre). Objectives include demonstrating knowledge and competent performance in reading and writing in response to literature.

**** / *** POETRY**

Credit: .5; One semester; Grades 11, 12

Prerequisite: None

Course Objectives: **This course is designed to explore poetic forms and to become acquainted with a variety of world poets. Students will explore their own capabilities in writing poetry in a variety of forms.** Objectives include demonstrating knowledge and competent performance in reading and writing in response to literature.

**** / *** ADVANCED POETRY**

Credit: .5; one semester (spring); grades 10, 11, 12

Materials Fee: None

Prerequisite: Successful completion of Poetry, and/or completion or concurrent enrollment in English 10 Honors, IB English Language & Literature 11 or 12, IB English Literature 11 or 12, plus instructor signature.

Course Objectives: To extend the study of the poetry genre beyond the introductory level covered in core English classes and Poetry I. Focus will be on study of major poets, poetic forms, and contemporary movements along with creation, workshopping, performance, and publication of student work.

*** / ** / *** THEATRE AS LITERATURE IB (SL) or (HL)**

Credit: .5; One semester; Grades 11, 12

Prerequisite: None

Course Objectives: **This course is open to any student and specifically meets the IB full diploma requirement for IB Theatre Arts (SL or HL).** Drama written by major playwrights from a variety of countries, time periods and theatrical movements will be the literature studied in this course. Objectives include demonstrating knowledge and competent performance in reading and responding to literature.

****To earn the IB designation on higher level courses, students must register and take the IB external assessment during the senior year.***

**** / *** MONTANA AND NATIVE AMERICAN LITERATURE**

Credit: .5; One semester; Grades 11, 12

Prerequisite: None

Course Objectives: **This course focuses on Montana writers, Native American stories & writings, and writings about Montana.** A variety of perspectives of Montana are revealed through a study of the rich literary heritage of the state. Objectives include demonstrating knowledge and competent performance in reading and writing in response to literature.

**** / *** MYTHOLOGY**

Credit: .5; One semester; Grades 11, 12

Prerequisite: None

Course Objectives: **This course covers not only classical Greek & Roman mythology, but also world myths, social/cultural myths, and literary heritage of the state and its tribal nations.** Objectives include demonstrating knowledge and competent performance in reading and writing in response to literature.

**** / *** AMERICAN LITERATURE**

Credit: .5; One semester; Grades 11, 12

Prerequisite: None

Course Objectives: This course focuses on the rich heritage of literature by American authors. **The course surveys a variety of genres and time periods of American writing.** Objectives include demonstrating knowledge and competent performance in reading and writing in response to literature.

ELECTIVE COURSE DESCRIPTIONS

**** / *** / **** NEWSPAPER JOURNALISM**

Credit: 1.0 for Full year; Grades 10, 11, 12

Credit: General English elective

Prerequisites: Application to the program is required. in pre-

Placement in the course is dependent on a B or better average in previous English classes and an excellent attendance record.

Course Objectives: Students will learn advanced skills in interviewing, journalistic writing, editing and proofreading, desk-top publication and advertising to produce the student newspaper. Objectives include demonstrating knowledge and competent performance in Journalism in the creation of the school newspaper. This production-based course requires both in class and after school time. Students who work after school or have time consuming activities are encouraged to talk to the instructor before applying. Success in this class is dependent on writing articles weekly, as well as on selling advertising, as students gain real-world business experience in running and publishing a newspaper. Advertising sales are a factor in each quarter's grades.

**** / *** / **** YEARBOOK**

Credit: 1.0 for Full year, General elective credit only (**no n-English credit**) Grades 10, 11, 12

Prerequisites: Application to the program is required. Placement in the course is dependent on a B or better average in previous English classes and an excellent attendance record.

Course Objectives: **Students in this course learn journalistic skills and marketing skills to produce the school year-book.** Objectives include demonstrating knowledge and competent performance in journalism, graphic design, advertising, and marketing in the creation of the yearbook. This production-based course requires both in class and after school time. Students who work after school or who have time consuming activities are encouraged to talk to the teacher before applying. All students are required to sell advertising to help support the printing costs of the yearbook and ad sales are part of the semester grade.

**** / *** ACTING 1 PROCESS, PRACTICE AND PHILOSOPHY**

Credit: .5; One semester; Grades 9, 10, 11, 1

Prerequisite: None.

Course Objective s: A variety of mime, movement and vocal exercises along with scene work and other theatre exercises will be used to develop the skills needed for character portrayal. Reading, viewing and analyzing plays will be used to develop the understanding of the discipline required for theatre and to develop an appreciation for theatre as an art. **Objectives in- clude demonstrating knowledge and competent performance of theatrical arts concepts and skills.**

**** / *** ACTING 2 PROCESS AND PERFORMANCE**

Credit: .5; One semester; Grades 9, 10, 11, 12

Prerequisite: Acting 1

Course Objectives: This course is open to any student who has met the prerequisites and **specifically meets the IB full diploma- ma requirement for IB Theatre Arts (SL or HL).** Students will further develop their character portrayal skills while con- tinuing to develop the discipline required by the actor. A variety of monologue and ensemble performances, along with ex- periences to assist the actor in analyzing a script and experiences to assist the actor in understanding the role of the actor in the production process will be used to further instill the concept of theatre as an art. **Performance in the class production is a requirement of this course.** Objectives include demonstrating knowledge and competent performance of theatrical arts concepts and skills.

**** / *** ACTING 3 DIRECTING AND DESIGN IB (SL) or (HL)**

Credit: .5; One semester; Grades 10, 11, 12

Materials Fee: Only those students intending to seek the IB diploma or IB certificate/s will have fees.

Prerequisites: Acting 2

Course Objectives: **This course is open to any student and specifically meets the IB full diploma requirement for IB Theatre Arts (SL or HL).** Students will learn and practice the following integrated aspects: world theatre tradition within the play; and the processes of bringing the play to life, including all design aspects, rehearsal techniques as well as oth-er production elements. **Performance in the class production is a requirement of this course.** Objectives include demon- strating knowledge and competent performance of theatrical skills.s, the director's vision for realization on the stage; the relationship between the play's themes and the actions of the character.

**** / *** ACTING 4 ADVANCED ACTING IB (SL) or (HL)**

Credit: .5; One semester; Grades 10, 11, 12

Materials Fee : Only those students intending to seek the IB diploma or IB certificate/s will have fees.

Prerequisite : Acting 2

Course Objectives : **This course is open to any student and specifically meets the IB full diploma requirement for IB Theatre Arts (SL or HL).** Students further develop their skills in the dramatic arts by becoming a member of a play- producing

company. Student produced and directed productions are performed as a part of the FHS theatre season. **Performance in the class production is a requirement of this course.** Objectives include demonstrating knowledge and competent performance of theatrical arts concepts and skills

***** / *** TECHNICAL THEATER 1**

Credit: .5; One semester; English Elective or Career Tech Ed; Grades 9, 10, 11, 12

Course Fee: \$15

Course Objectives: This course focuses on technical theatre to develop an overall understanding and appreciation for theatre. **Emphasis will be placed on scenic design and lighting design, studying concepts and skills including: color theory, construction, painting, and hanging lights through the literary and theatrical analysis of selected scripts.** The class will design and construct the set of FHS productions presented during the semester during the class in a “work lab” – based environment. Members of the class will assist with the technical aspects of FHS theatre productions presented during the semester during the class in a “work lab” based environment. These students will apply technical elements to enhance the production of drama and theatre works at Flathead High School.

**** / *** TECHNICAL THEATRE 2**

Credit: .5; One semester; English Elective or Career Tech Ed Grades 10, 11, 12

Prerequisite: Technical Theatre 1 or Consent of Instructor

Course Fee: \$15

Course Objectives: This intermediate course is a continuation of Technical Theatre 1 and focuses on further development of technical theatre skills and concepts. **Emphasis will be placed on costume design and sound design, studying concepts and skills including: figure drawing, soundscapes, and digital sounds through the literary and theatrical analysis of selected scripts. The class will design and construct the set of FHS theatre productions presented during the class in a “work lab” – based environment.** These students will apply technical elements to enhance the production of drama and theatre works at Flathead High School.

**** / *** TECHNICAL THEATRE 3**

Credit: .5; One semester; English Elective or Career Tech Ed Grades 10, 11, 12

Prerequisite: Technical Theatre 1 and 2 or Consent of Instructor

Course Fee: \$15

Course Description: This advanced course focuses on the further application of theatrical content and skills learned in Technical Theatre 1 & 2. Topics for this class include **projection design** and **prop design** including: research skills, artistic rendering, and practical creation and implementation of concepts and design through the literary and theatrical analysis of selected scripts. This course also teaches students theatre management strategies as they **design and implement their own lessons/techniques/projects** that, working cooperatively with Technical Theatre 1 (taught simultaneously,) will enhance the production of drama and theatre works at Flathead High School.

**** / *** TECHNICAL THEATRE 4**

Credit: .5; One semester; English Elective or Career Tech Ed Grades 10, 11, 12

Prerequisite: Technical Theatre 1-3 or Consent of Instructor

Course Fee: \$15

This advanced course focuses on the further application of theatrical content and skills learned in Technical Theatre 1 - 3. Topics for this class include **college exploration, theatrical resumes, stage management,** and a **capstone portfolio project** through the implementation of concepts and design through the literary and theatrical analysis of selected scripts. This course also teaches students theatre management strategies as they **design and implement their own lessons/techniques/projects** that, working cooperatively with Technical Theatre 2 (taught simultaneously,) will enhance the production of drama and theatre works at Flathead High School.

For students earning an IB Theatre Certificate or completing the IB Theatre Program for the Group 6 Diploma Requirement, the following courses are required and listed in their suggested order: Acting 2, Theatre as Literature, Acting 3, Acting 4

**** / *** SPEECH WORKSHOP**

Credit: .5; One semester; Grades 9, 10, 11, 12

Prerequisite: None

Course Objectives: **This course presents the student with opportunities to compose and deliver a variety of different types of public speeches and debates** and to learn oral communication skills and the skills of research, evidence analysis, argumentation and informal logic. Objectives include demonstrating knowledge and competent performance in speaking and debating.

**** / *** LEARN AND SERVE: TUTORING READING IN THE ELEMENTARY SCHOOLS**

Credit: .5; One semester; General English elective Grades 11, 12

Prerequisite: None

Course Objectives: **The class is designed to provide a powerful reason to learn and increase civic responsibility in our school communities. A high school student will be paired with an elementary-aged student in a mostly one-on-one setting, where the two can focus on improving reading and math fluency. Supervising high school and elementary teachers will provide high school students instruction on methods of working with elementary students and strategies for tutoring reading and mathematics. The high school students will receive instruction on the methods of working with elementary students and strategies for tutoring reading. They will be monitored closely by both their high school teacher and the elementary teachers whose students are part of the program. The high school students work 3-4 days a week in the elementary schools with the younger students and use the fifth instruction day to reflect on the process and their assigned students' progress.** Objectives include demonstrating knowledge and competent performance in reading, tutoring, and mentoring.

**** / *** CREATIVE WRITING**

Credit: .5; One semester; Grades 10, 11, 12

Prerequisite: None

Course Objectives: **This course is a workshop for aspiring writers, including practice with short stories, poetry and drama.** Writing style, elements of literary forms, individual voice, command of language, and publication-ready skills are emphasized. Objectives include writing fluency, originality, peer editing, and competence in all aspects of the writing process.

*** READING INTERVENTION**

Credit: .5; One semester; General English elective Grades 9, 10, 11, 12

Prerequisite: Placement is based on recommendations of previous English instructors and counselors with reference to district assessment data. Additionally, students will complete an individual reading assessment with the Reading Intervention staff at the beginning of the course. The course is designed for students who read at the 1st - 3rd Stanine level and who struggle with reading skills. This course is open to all struggling readers and is required for all 9th grade students scoring at the 1st - 3rd Stanine level on standardized reading assessments and confirmed by individual testing.

Course Objectives: **This course provides individualized and small group instruction specifically tailored to students' reading skill needs.** Coursework involves intense practice in decoding, fluency and application of comprehension strategies, while providing students with practice in reading a wide variety of genres. Pre and post individually-administered reading tests will be used to assess student progress, with the goal of grade level reading efficiency.

*** / ** SUCCESS IN READING**

Credit: .5; One semester; General English elective Grades 9, 10, 11, 12

Prerequisite: None

Course Objectives: This course is designed to develop skills for reading in the content areas. Selections for reading include both independent and group fiction and non-fiction texts. **Vocabulary development, study skills and critical thinking skill strategies are stressed.** Students scoring at the 4th Stanine on the District screening assessment are strongly encouraged to enroll

Health Enhancement

Note: You MUST successfully complete two semesters of the Physical Education courses, Introduction to Fitness and/or Athletic Foundations, prior to enrolling in any elective health enhancement courses. A student must have at least one semester of Athletic Foundations prior to enrolling in Strength and Conditioning. Health will be included in the Freshman Academy and should be completed by all students during their 9th grade year. If you are a new student entering FHS, you will need to complete the Physical Education and Health requirement

prior to graduation.

****Students taking a health enhancement course will be required to wear the designated Flathead High School PE Uniform. The uniform consists of black Flathead Physical Education shorts, and a gray Flathead Physical Education T-shirt. The uniform fee of \$18 can be paid at the main office. Gently used uniforms may be purchased for \$10. PE students need to retain their receipt and present it to office staff, who will distribute the uniforms. Students needing financial assistance to cover the cost should speak to their PE teacher, an administrator, or school counselor. PE clothing should be brought to the gym area and stored in a locked, assigned gym locker.**

***** FHS Health Enhancement classes provide instruction on human sexuality based on the Montana Health Enhancement Content Standards. A parent, guardian, or other person who is responsible for the care of a child may opt out of their child's participation in human sexuality instruction. This includes instruction delivered by district staff or guests invited at the request of the district during class, at an assembly, or at an organized school function. Please contact your student's Health Enhancement teacher if you would like to opt out of human sexuality education.**

AGILITY AND STRENGTH

Credit: .5; One Semester; Grades 10,11,12

Equipment and Fee: FHS PE Uniform \$18

Prerequisite: One credit of Physical Education of which one semester must be Athletic Foundations

Course Objectives: This class will take an in-depth look into weight training, training modes and programming as a complete fitness plan. Targeting speed, agility and strength. This course will be separated by gender.

Agility and Strength students will optimize their aerobic and anaerobic conditioning, muscular strength, muscular endurance and flexibility. Advanced strength, plyometric, agility, and endurance assessments will be measured.

HEALTH

Credit: .5; One semester; Grade 9

Prerequisite: None

Course Objectives: The course deals with all aspects of health including physical, social and mental health. Health care, awareness, treatment and prevention of disease are discussed with the intent of developing the individual's desire for helping maintain a healthful environment. The course includes units covering all aspects of "wellness," such as fitness, nutrition, first aid, drugs and dependency, family life and human growth and development, including reproductive systems. Decision-making is considered in each unit with discussion, activities and information presented to help in learning the process.

OUTDOOR PURSUITS (BRAVE ADVENTURES)

Credit: 1; Full Year; Grade 11

Equipment and Fees: FHS PE Uniform \$18

Prerequisite: One credit of Physical Education.

Course Objectives: This course must be taken in conjunction with Montana Ecology (Science) and IB Language and Literature11: Nature and Society (HL) (English)

The objective of this course is to provide students with the opportunity to learn different authentic outdoor activities.

Participants will have the opportunity to experience instruction in selected adventure programming. This course will emphasize respect for the environment and will provide students alternative forms of physical activity and education. The following units MAY be included in this course but are not limited to: fishing, avalanche awareness, survival (including debris and snow shelters), orienteering, wilderness first aid, snow shoeing, archery, backpacking, outdoor cooking and fitness and weight training. Possible fall and spring expeditions may be offered with possible additional cost (ie. Skiing trip, laser tag).

PHYSICAL EDUCATION Athletic Foundations

Credit: .5; One semester; Grades 9, 10, 11, 12

Equipment and Fee: FHS PE Uniform \$18

Prerequisite: None

Course Objectives: The course is an integral part of education concerned with the development of cardiorespiratory fitness (endurance and strength), muscular strength, muscular endurance, flexibility and acceptable range of body composition. This class covers basic weight training, plyometrics, fitness and fitness related activities. The class objective is to develop a solid base for students who are involved in activities. Athletes are strongly encouraged to be enrolled in this class.

PHYSICAL EDUCATION Introduction to Fitness

Credit: .5; One semester; Grades 9, 10, 11, 12

Equipment and Fee: FHS PE Uniform \$18

Prerequisite: None

Course Objectives: The course is an integral part of physical education concerned with the development of cardiorespiratory fitness (endurance and strength), muscular strength, muscular endurance, flexibility and acceptable range of body composition. A variety of activities are offered to familiarize students with activities that may be utilized as worthy leisure time endeavors. These activities may include: a variety of lifelong individual activities and net, team and individual sports.

STRENGTH AND CONDITIONING (Also offered Early Bird 7:00am - 7:50am)

Credit: .5; One semester; Course may be taken more than once for credit; general elective Grades 10, 11, 12

Equipment and Fee: FHS PE Uniform \$18

Prerequisite: One credit of Physical Education of which one semester must be Athletic Foundations

Early Bird Prerequisite: In addition to one credit of Athletic Foundations, students must be an. Any exceptions to this require administrative approval. Athletes with one semester of Athletic Foundations can be considered for approval by a teacher and coach.

Course Objectives: This class will take an in-depth look into weight training, training modes, program design, and how it fits into a complete fitness program. Students will keep track of their own weight training programs and their personal fitness plans. Concepts covered include anatomy, exercise physiology, and kinesiology. This course is designed to introduce Sports Specific Training skills and techniques to students involved within their specific sport or activity (i.e. Soccer, Football, Swimming, Volleyball, Tennis, Track, Cheer, Wrestling, Golf, Basketball, Softball, and Cross Country). Students will optimize their aerobic conditioning, muscular strength, muscular endurance, and flexibility.

International Baccalaureate

A World Class Program of Academic Excellence

Flathead High School was the first high school in Montana to offer a curriculum of world-class standards with the IB Diploma Programme. A full IB Diploma candidate must take at least 3 higher level (HL) courses and 3 standard level (SL) courses during the junior and senior years. Students must also enroll in Theory of Knowledge (TOK) for two semesters; complete an Extended Essay, and fulfill the requirements of the CAS program (Creativity, Action, Service). In addition, students must meet the graduation requirements for FHS. Full IB diploma students should meet with the IB coordinator to make sure that their schedule meets all of the requirements.

Standard IB Full Diploma Schedule

*There are always special situations, but this is a schedule outline that will work for most full diploma students.

*All full diploma students need 3 Higher Level classes (HL) and 3 standard level classes (SL) or 4 HL and 2 SL courses and must have a class from each of the 6 groups (English, International Language, History, Math, Science, and Elective).

Grade 9	Grade 10	Grade 11	Grade 12
English 9	English 10	Choices: <ul style="list-style-type: none"> IB Literature 11 HL IB Language & Literature 11 HL IB Lang and Lit: Global Indigenous Literatures 11 HL IB Lang and Lit: Nature and Society 11 HL 	Choices: <ul style="list-style-type: none"> IB Literature 12 HL IB Language & Literature 12 HL IB Lang and Lit: Global Indigenous Literatures 12 HL IB Lang and Lit: Nature and Society 12 HL
French or Spanish 1	French or Spanish 2	French or Spanish 3	French or Spanish 4 IB SL
ACE 1/ Health	Western Civ Honors Recommended	History of the Americas IB HL	20 th Century IB HL
Algebra 1 or Geometry	Geometry or Pre IB Alg 2	Choices: <ul style="list-style-type: none"> Pre IB Alg 2 Applications and Interpretation SL (1 yr course) Analysis and Approaches 1 IB HL 	Choices: <ul style="list-style-type: none"> Applications and Interpretation SL (1 yr course) Analysis and Approaches 2 IB HL
Biology	Chemistry or Honors Earth Science	Choices: <ul style="list-style-type: none"> Bio 1 IB HL Physics 1 IB SL Enviro 1 IB SL Sports, Exercise, and Health IB SL (1 year course) 	Choices: <ul style="list-style-type: none"> Bio 2 IB HL Physics 2 IB SL Enviro 2 IB SL Sports, Exercise, and Health IB SL (1 year course)
Choices: <ul style="list-style-type: none"> PE Career & Tech Ed Fine Art 	Choices: <ul style="list-style-type: none"> PE Career & Tech Ed Fine Art Acting 1 (if you are considering IB Theater) 	Choices: <ul style="list-style-type: none"> Art IB SL/HL Theater IB SL/HL (Theater as Lit Semester 1 and Acting 2 Semester 2) Business IB SL/HL Psychology IB SL/HL Global Politics SL Another IB science 	Choices: <ul style="list-style-type: none"> Art IB SL/HL Theater IB SL/HL (Acting 3 Semester 1 and Acting 4 Semester 2) Business IB SL/HL Psychology IB SL/HL Global Politics SL Another IB science
Choices: See list above	Personal Finance and See list above	Elective or Fine Art, PE, Career and Tech Ed. Semester 2 is TOK 1	TOK 2/Government

Higher Level (HL)	Standard Level (SL)
English	International Language
History	SL in math, science, or one of the electives
HL in science, math, or one of the electives.	SL must be science or one of the electives,

COURSE DESCRIPTIONS

Group 1 : Studies in Language and Literature

IB LITERATURE 11 (HL)

Credit: 1.0; Full year, grade 11

Materials Fee : Only those students intending to seek the IB diploma or IB certificate(s) will have fees, during their senior year.

Prerequisite : English 10H and English 9H recommended.

Course Objectives : IB Literature is designed to meet the needs of students who are seeking preparation for college-level reading, writing, and thinking skills. It is the first course in a two-year sequence. The course is an academic study of literary fiction and nonfiction with an emphasis on fiction. It focuses on three key elements: (1) close reading of literary texts, (2) the ways in which culture and context influence texts, and (3) how texts of all kinds are interconnected and related to each other. This course is designed for college-bound students in their junior year of high school and is a prerequisite for IB Literature 12. A student who completes both courses may test and potentially earn college credit through the International Baccalaureate Program.

In addition to serving as the first year of the IB curriculum for higher level English, this course counts for graduation purposes as one semester of literature and one semester of composition.

IB LANGUAGE AND LITERATURE 11 (HL) — ALL VERSIONS

Credit: 1.0; Full year, grade 11

Materials Fee : Only those students intending to seek the IB diploma or IB certificate(s) will have fees during their senior year.

Prerequisite : Completion of English 10.

Course Objectives : IB Language and Literature is designed to meet the needs of students with a wide range of skill levels and prepare students for career ready and college-level reading, writing, and thinking skills. It is the first course in a two-year sequence. The course is designed to be a celebration of all kinds of communication, literary and non-literary texts, as well as a careful analysis of the wide variety of texts and media experienced every day—visual, oral, written, and electronic. It focuses on three key elements: (1) close reading of all kinds of texts, (2) the ways in which culture and context influence texts, and (3) how texts of all kinds are interconnected and related to each other. The emphasis will be on how the first two elements create meaning in a text, examining the roles of context, audience, and purpose (etc.) in cooperation with the impacts and effects of the author's choices. This course is designed for all students in their junior year of high school, and paired with IB Language & Literature 12, any student may test and potentially earn college credit through the International Baccalaureate Programme.

IB LITERATURE 12 (HL)

Credit: 1.0; Full year; Grade 12

Materials Fee : As a component of the course, all students must take either the IB external assessments or alternate internal assessments.

Prerequisite : English 10H and English 11 IB Literature recommended; English 11IB Literature required for external assessments
Skill Level : This course is designed to meet the needs of students with above average or college capable language skills. It is open to any student intending to go to college and specifically meets the Language A (Higher Level) requirements for IB diploma candidates.

Course Objectives : IB Literature is designed to meet the needs of students who are seeking preparation for college-level reading, writing, and thinking skills. It is the second course in a two-year sequence. The course is an academic study of literary fiction and nonfiction with an emphasis on fiction. It focuses on three key elements: (1) close reading of literary texts, (2) the ways in which culture and context influence texts, and (3) how texts of all kinds are interconnected and related to each other. This course is designed for college-bound students in their senior year of high school, and if students choose to test in the spring, the course meets the requirements for many colleges and universities for credit.

In addition to serving as the second year of the IB curriculum for higher level English, this course counts for graduation purposes as one semester of literature and one semester of composition.

IB LANGUAGE & LITERATURE 12 (HL)

Credit: 1.0; Full year; Grade 12

Materials Fee: As a component of the course, all students must take either the IB external assessments or alternate internal assessments.

Prerequisite: English 11 IB Language & Literature (any version) recommended; English 11IB Language & Literature (any version) required for external assessments

Course Objectives : **IB Language and Literature is designed to meet the needs of students with a wide range of skill levels and prepare students for career ready and college-level reading, writing, and thinking skills.** The second year in a two-year sequence, the curriculum for semester 1 focuses on the analysis of context, elements of culture, and culturally significant texts, and the curriculum for semester 2 focuses on the analysis of literature from a variety of regions throughout the world. In both semesters, students will develop close reading skills and analyze how the author's craft, cultural context, and audience influence meaning, and they will examine the way in which the production and reception of messages is influenced by context and culture. If students choose to test in the spring, the course meets the requirements for many schools for college credit.

Group 2 : Language Acquisition

LEVEL 2 FRENCH IB/AB INITIO, (Standard Level) or SPANISH IB/AB INITIO, (Standard Level)

Credit: 1.0 Full Year, Grades 10, 11, 12

Prerequisite: Successful completion of level 1 and teacher recommendation. Students who wish to take the class for Ab Initio credit must have permission from the IB coordinator and the Ab Initio instructor.

Course Fee: Only for those taking the Ab Initio test

Course Objectives: Level 2 studies of French and Spanish build on and increase the vocabulary and grammar skills from level 1. Oral and written skills are developed through cultural studies.

LEVEL 3 FRENCH IB/AB INITIO, (Standard Level) or LEVEL 3 SPANISH IB/AB INITIO, (Standard Level)

Credit: 1.0 Full year, Grades 10, 11, 12

Prerequisite: Successful completion of level 2 and/or teacher recommendation. Students who wish to take the class for Ab Initio credit must have permission from the IB coordinator and the Ab Initio instructor.

Course Fee: Only for those taking the Ab Initio test

Course Objective: Level 3 develops an ease in conversation, reading, and writing. Students increase their skills through authentic literature, cultural and historical studies. Level 3 is designed to meet the needs of students who simply want to continue language study, prepare for college or those who plan to take the IB test in Level 4.

LEVEL 4 FRENCH / IB FRENCH, (Standard Level)

Credit: 1.0 Full year, Grades 11, 12

Prerequisite: Successful completion of French 3 and teacher permission.

Course Fee: Only those students intending to seek IB diploma or IB certificates will have fees.

Course Objectives: Students develop their proficiency in interactions with other speakers of French, understanding oral and written messages in French, and making oral and written presentations in French. Students exchange and support opinions on a variety of topics related to contemporary events and issues. IB students who are sitting for the IB test will have specific test practice.

*Students enrolled in this class will have a summer assignment in preparation for Level 4.

LEVEL 4 SPANISH / IB SPANISH, (Standard Level)

Credit: 1.0 Full year, Grades 11, 12

Prerequisite: Successful completion of Spanish 3 and teacher permission.

Course Fee: Only those students intending to seek IB diploma or IB certificates will have fees.

Course Objective: Students develop their proficiency in interactions with other Spanish speakers, understanding oral and written messages in Spanish, and making oral and written presentations in Spanish. Students exchange and support opinions on a variety of topics related to contemporary events and issues. IB students who are sitting for the IB test will have specific test practice.

*Students enrolled in this class will have a summer assignment in preparation for Level 4.

Group 3 : Individuals and Societies

20TH CENTURY ISSUES IB (HL)

Credit: 1.0; Full year; Grade 12

Credit: Social Science Elective

Materials Fees: Only those students intending to seek IB diploma or IB certificate/s will have fees.

Prerequisite: History of the Americas IB (HL) or department recommendation.

Course Objectives: This course is open to students who intend to go to college and specifically meets the IB full diploma requirement for Individuals and Society (Social Studies). This Higher Level course is the second year of the two-year International Baccalaureate curriculum. This year's curriculum includes an emphasis on the end of the Cold War. Students will be required to write a 2,200 word in-depth investigation of a significant historical topic for their internal assessment. Students in this class should have above average or college-capable reading skills. In addition to serving as the second year of the IB curriculum for higher-level Social Science, this course counts as a social science elective for graduation purposes. To earn the IB designation on higher-level courses, students must take the IB external assessments.

HISTORY OF THE AMERICAS IB (HL)

Credit: 1.0; Full year; Grade 11

Materials Fee: Only those students intending to seek the IB diploma or IB certificate/s will have fees

Prerequisite: Western Civilization Honors or Department Recommendation

Course Objectives: This course is recommended for college-bound students and specifically meets the IB full diploma requirement for Individuals and Society (Social Studies). This Higher Level (HL) history course is the first year of the two-year International Baccalaureate curriculum. History of the Americas is a comparative course, which will integrate the histories of Canada, Latin America, and the United States from the 18th Century to the present, with a heavy emphasis on the past 100 years. This course is designed to promote an awareness and understanding of U.S. history and our interaction with the Western Hemisphere. Students in this class should have college-level reading and writing skills. In addition to serving as the first year of the IB curriculum for higher-level Social Science, this course counts for graduation purposes as one year of United States History.

Group 4 : Experimental Sciences

BIOLOGY 1 IB (HL first year)

Credit: 1.0 Full year; Grade 11 or 12

Note: This is the first year of a two-year IB Biology sequence. Students are welcome to take this course without continuing to the second year if they are interested in an advanced biology class and are not seeking an IB certificate.

Prerequisite: Successful completion of two years of laboratory science including earning a "C" or higher in Biology. It is recommended, but not required, to have successfully completed Chemistry.

Course Objective: This course is open to any student meeting the prerequisites and specifically meets the IB full diploma science requirement. The IB biology curriculum is designed to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing and expanding science of biology in the modern world. The successful student will develop his or her experimental and investigative skills. This is a rigorous, in depth, two -year biology sequence; designed to be taken the junior and senior years. Biology 1 IB will cover cell biology, physiology, ecology and plant science. In addition, a required group project will be completed with another IB science class.

BIOLOGY 2 IB (HL second year)

Credit: 1.0; Full year; Grade 12

Prerequisite: Biology 1 IB (HL)

Course Objective: This course is open to any student meeting the prerequisites and specifically meets the IB full diploma science requirement. The Biology IB curriculum is designed to provide students with a conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing and expanding science of biology in the modern world. The successful student will develop his or her experimental and investigative skills. This rigorous, in depth, two year biology sequence is designed to be taken the junior and senior years. Biology 2 IB will cover statistics, the chemistry of life, genetics and evolution. To earn the IB designation on higher level courses, students must take the IB external assessments. See fee schedule and the details included in the IB portion of this handbook.

ENVIRONMENTAL SYSTEMS and SOCIETIES 1 IB (SL First Year)

This course is the PREREQUISITE for the ENVIRONMENTAL SYSTEMS and SOCIETIES 2 IB (SL)

Credit: 1.0; Full year; Grades 11 or 12

Note: This is year one of the two year IB Environmental Systems and Societies sequence designed for IB diploma and IB certificate candidates. However, students are welcome to take this course without going on to the second year if they are interested in only one year of an environmental science course.

Prerequisite(s): Completion of two years of lab science including earning a C or higher in Biology

Course Objective: The intent of this course is to provide students with a coherent perspective of the interrelationships between environmental systems and societies; one that is scientific and enables the adoption of an informed personal response to the wide range of environmental issues societies around the world face. This course emphasizes the scientific method, field studies, analysis of quantitative data, and strong lab design skills. Topics to be covered are systems and models, ecosystems and ecology, biodiversity and conservation, and atmospheric systems and pollution. Students will be participating in field trips to Glacier National Park , the Flathead River, and either Newport Oregon, or Moab, Utah. Further class details can be found online at www.mscores.com

ENVIRONMENTAL SYSTEMS and SOCIETIES 2 IB (SL Second Year)

Credit: 1.0; Full year; Grade 11 or 12

Note: This is the second year of the two year Environmental Systems and Societies IB sequence designed for IB diploma and IB certificate candidates

Prerequisite: Successful completion of Environmental Systems and Societies 1IB.

Course Objective: The intent of this course is to provide students with a coherent perspective of the interrelationships between environmental systems and societies; one that is scientific and enables the adoption of an informed personal response to the wide range of environmental issues societies around the world face. This course emphasizes the value of empirical, quantitative, and objective data in describing and analyzing environmental systems. This course also provides students with the experiences and skills necessary to quantitatively examine the environment. Field research is a REQUIRED portion of the curriculum. Topics to be covered are water and aquatic food production systems, soil systems, food production/ agriculture, human systems and resource use, energy resources, natural capital, and climate change. Students will be participating in field trips to Glacier National Park, the VoAg Center, and either Newport, Oregon or Moab, Utah to complete ecological field studies. Further class details can be found online at www.mscores.com.

PHYSICS 1 IB (SL First Year)

Credit: 1.0; Full Year; Grades 11, 12

NOTE: This is year one of the two year IB Physics sequence designed for IB diploma and IB certificate candidates. However, students are welcome to take this course without going on to the second year if they are interested in only one year of a challenging physics class.

Prerequisites: Successful completion of two years of lab science and completion of Algebra 2 with a "C" or better or currently enrolled in Algebra 2

Course Objectives: This course is designed to meet the needs of college bound students and will fulfill the IB full diploma science requirement. It is a course designed to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal with diverse physics topics and their applications in the dynamic, modern world. Topics studied include measurements and uncertainties, mechanics, thermal physics, waves, circular motion and gravitation, and energy production. Laboratory work is emphasized and requires structured labs, research papers and experimental projects. Instruction is student-centered with cooperative learning as well as teacher direction, thus offering the student a college-level physics experience. Only those students choosing to enroll in both years of IB Physics, will sit for the standard level exam, offered in the spring of the second year. An interdisciplinary group project helps students realize that all scientific disciplines share the common goal of understanding how the world works, and that scientists can work together on problems to discover solutions to a common goal. Students entering the program may be given a summer assignment, which will review basic mathematical skills and introduce concepts of analytical reasoning.

PHYSICS 2 IB (SL Second Year)

Credit: 1.0; Full Year; Grade 11 or 12

NOTE: This is year two of the two year Physics IB sequence designed for IB diploma and IB certificate candidates.

Prerequisites: Successful completion of Physics 1 IB.

Course Objectives: This course is designed to meet the needs of college bound students and will fulfill the IB full diploma science requirement. It is a course designed to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal with diverse physics topics and their modern world. Topics studied include atomic and nuclear physics, energy and power, and astrophysics. Laboratory work is emphasized and requires structured labs, research papers, and experimental projects. Instruction is student-centered with cooperative learning as well as teacher direction, thus offering the student a college-level physics experience. Only those students choosing to enroll in both years of IB Physics, will sit for the standard level exam, offered in the spring of the second year. An interdisciplinary group project helps students realize that all scientific disciplines share the common goal of understanding how the world works, and that scientists can work together on problems to discover solutions to a common goal. Students entering the program may be given a summer assignment, which will review basic mathematical skills and introduce concepts of analytical reasoning.

To earn the IB designation on higher level courses, students must register and take the IB external assessment during their senior year.

SPORTS, EXERCISE AND HEALTH SCIENCE IB SL (formerly Sports Medicine)

Credit: 1.0; Full year; Grades 11 or 12

Prerequisite: Successful completion of two credits of core discipline science courses including Biology. This course cannot be used to meet the two credits of core discipline science courses.

Course Objectives: This year-long course in applied Anatomy and Physiology is directed towards students interested in careers in Health Science. Students interested in careers such as nursing, athletic training, physical therapy, orthopedic medicine, emergency care, and general health care will be benefited by this course. This class covers functional anatomy and physiology, emergency procedures, skeletal-muscular injury evaluation, assessment and treatment, internal medicine, preventative taping and bracing techniques, special medical testing and treatment, athletic sport conditioning, nutrition, drugs and supplements, and much more. The students will be exposed to skeletal-muscular injury management, sport event emergency coverage and medical professional guest speakers. Students will also participate in anatomy dissections. This college prep course is challenging, but rewarding for its students. This college prep course is challenging, but rewarding for students.

Group 5: Mathematics

ANALYSIS AND APPROACHES IB (SL) (Formerly Calculus IB)

Credit: 1.0; Full year; Grade 12

Equipment: Graphing calculator strongly recommended

Prerequisite: Pre-Calculus IB (SL) or Math Studies IB (SL) with a minimum grade of "C" semester 2

Course Objectives: This course is open to any student choosing to take Analysis and Approaches and specifically meets the IB full diploma mathematics SL requirement in the two year pre-calculus/Analysis and Approaches sequence. This course covers statistics, differential and integral calculus.

APPLICATIONS AND INTERPRETATION IB (SL) (Formerly Math Studies IB)

Credit: 1.0; Full year; Grades 11, 12

Equipment: Graphing calculator strongly recommended

Prerequisite: Algebra 2 with a minimum grade of "C" semester 2

Course Objectives: This course is open to any student intending to go to college and specifically meets the IB full diploma mathematics requirement in one year. This course covers a broad spectrum of mathematical topics, with an emphasis upon practical application of advanced mathematical concepts, specifically through the lens of statistics. The distinguishing feature of this course is an open exploration of mathematics, where students write a short report on a mathematical topic of their choice at or above the level of the course. Major topics include: statistics, probability, trigonometry, functions and mathematical modeling. Students intending to complete a full year of calculus should enroll in Pre-Calculus IB (SL) their junior year

PRE-CALCULUS IB (SL)

Credit: 1.0; Full year; Grade 11 or 12th graders who do not intend to sit for IB exams

Equipment: Graphing calculator strongly recommended

Prerequisite: Algebra 2 with a minimum grade of "C" semester 2.

Course Objectives: This course is open to any student intending to go to college and specifically meets the IB full diploma mathematics requirement after completion of Calculus IB (SL) during the senior year. This course covers traditional pre-calculus topics, with an emphasis upon functions (polynomial, rational, logarithmic, circular, trigonometric, exponential) as well as vectors, probability, and statistics leading to a full year of calculus.

Group 6: The Arts and Electives

ART IB (SL) (HL) – VISUAL ART*

Credit: 1.0; Full year; Grades 11,12

(International Baccalaureate – Standard Level (1 year. program), Higher Level (2 year. program))

IB Requirements: SL & HL: 20% Comparative Study of 3 well known artworks (theoretical practice) 40% Process Portfolio in a Visual Arts Journal (art-making practice) 40% Exhibition of student artwork (curatorial practice)

Materials Fee: \$40

Preferred prior course work: SL– 2 semesters of art; HL – 3 semesters of art

Required: Art instructor's recommendation.

Course objectives: This course is open to accelerated students focusing on advanced practices in the visual arts. These practices are Theoretical, Art-Making, and Curatorial in nature. This program meets the IB full diploma requirement for IB Art (SL or HL). The students enrolling in Art IB explore different facets of the visual arts in an in-depth and thoughtful manner. Students will produce an extensively written Comparative Study which analyzes 3 famous art works, a Process Portfolio which exhibits investigative and visual research with reflective writing and a portfolio of original art work which will be Exhibited to the public as course requirements for both SL and HL. In addition to art production, students will study Art History, Art Criticism and Aesthetics as they relate to visual art.

****Students wishing to earn the IB higher level designation must enroll in Art IB for 2 years and register for the IB external assessment during the senior year. There is an IB examination testing fee.***

Students who are working toward an IB Theatre certificate or are completing the IB Theatre program for their IB diploma group 6 requirement MUST complete the courses in the following order.

**** or *** ACTING 2 PROCESS AND PERFORMANCE IB (SL) or (HL)**

Credit: .5; One semester; Grades 10, 11, 12

Prerequisite: Acting 1

Course Objectives: This course is open to any student who has met the prerequisite and specifically meets the IB full diploma requirement for IB Theatre Arts (SL or HL). Students will further develop their character portrayal skills while continuing to develop the discipline required by the actor. A variety of monologue and ensemble performances, along with experiences to assist the actor in analyzing a script and experiences to assist the actor in understanding the role of the actor in the production process will be used to further instill the concept of theatre as an art. Performance in the class production is a requirement of this course. Objectives include demonstrating knowledge and competent performance of theatrical arts concepts and skills.

**** or *** THEATRE AS LITERATURE IB (SL) or (HL):**

Credit: 1.0; One semester; Grades 10, 11, 12

Prerequisite: Introduction to Business, Marketing I, or Instructor Approval

Note: Must be concurrently enrolled for the semester

Course Objectives: This course is open to any student and specifically meets the IB full diploma requirement for IB Theatre Arts (SL or HL). Drama written by major playwrights from a variety of countries, time periods and theatrical movements will be the literature studied in this course. Objectives include demonstrating knowledge and competent performance in reading and responding to literature.

*To earn the IB designation on higher level courses, students must register and take the IB external assessment during their senior year.

**** or *** ACTING 3 DIRECTING AND DESIGN IB (SL) or (HL)**

Credit: .5; One semester; Grades 10, 11, 12

Materials Fee: Only those students intending to seek the IB diploma or IB certificate/s will have fees.

Prerequisites: Acting 2

Course Objectives: This course is open to any student and specifically meets the IB full diploma requirement for IB Theatre Arts (SL or HL). Students will learn and practice the following integrated aspects: world theatre traditions, the director's vision for realization on the stage; the relationship between the play's themes and the actions of the characters within the play; and the processes of bringing the play to life, including all design aspects, rehearsal techniques as well as other production elements. Performance in the class production is a requirement of this course. Objectives include demonstrating knowledge and competent performance of theatrical skills.

or * ACTING 4 ADVANCED ACTING IB (SL) or (HL)**

Credit: .5; One semester; Grades 10, 11, 12

Materials Fee: Only those students intending to seek the IB diploma or IB certificate/s will have fees.

Prerequisite: Acting 2

Course Objectives: This course is open to any student and specifically meets the IB full diploma requirement for IB Theatre Arts (SL or HL). Students further develop their skills in the dramatic arts by becoming a member of a play-producing company. Student produced and directed productions are performed as a part of the FHS theatre season. Objectives include demonstrating knowledge and competent performance of theatrical arts concepts and skills.

BUSINESS AND MANAGEMENT IB (SL or HL)

Credit: 1.0; Full Year; Grades 11, 12 Prerequisite: None

Course Objectives: Business and Management is a rigorous and dynamic discipline that examines business decision-making processes and how these decisions impact and affect internal and external environments. It is the study of both the ways in which individuals and groups interact in an organization and of the transformation of business resources. Business and Management is now offered as both a Standard Level (1 year) class and a Higher Level (2 year) class, and students at both levels can choose to test for potential college credit.

The Diploma Programme Business and Management course is designed to develop an understanding of business theory, as well as an ability to apply business principles, practices and skills. The application of tools and techniques of analysis facilitates an appreciation of complex business activities. The course considers the diverse range of business organizations and activities and the cultural and economic context in which business operates. Emphasis is placed on strategic decision-making and the day-to-day business functions of marketing, production, human resource management and finance. Links between the topics are central to the course, and this integration promotes a holistic overview of business activity.

The course encourages the appreciation of ethical concerns and issues of corporate social responsibility in the global business environment. Topics covered are Business Organization, Human Resources and Management, Marketing, Accounts and Finance, and Operations. Students complete current events and apply their knowledge via case studies and current businesses and their operations. Trending technology is used to help present and assess student learning. The course Internal Assessment consists of partnering with a local business, in order to understand a current challenge and recommend an appropriate solution.

The HL offering is an extension of the standard level course. Students will further their learning of the 5 Business Units, taking all concepts to a more detailed level, applying more tools and theories. The HL course adds Business Strategy and the nature of the internal assessment task and exam questions. There will be more extensive assignments and projects and HL students will help facilitate learning/seminars for current SL students. HL students will have the opportunity to test at the end of their second year, with higher exam requirements and standards.

GLOBAL POLITICS IB (SL) (This course satisfies the American Government requirement)

Credit: 1.0 Full Year; Grade 12

Fee: \$30 for Model United Nations Conference

Prerequisite: Placement is based on recommendations from social science instructors and counselors with reference to class performance and ability. This course is designed to meet the needs of students with above average or college capable language skill

Course Objectives: The Global Politics IB course helps students to understand abstract political concepts by grounding them in real world examples and case studies. The course also invites comparison between such examples and case studies to ensure a transnational perspective. Developing international mindedness and an awareness of multiple perspectives is at the heart of this course. It encourages dialogue and debate, nurturing the capacity to interpret competing and contestable claims. This course can count as an elective for the IB full diploma and/or as a social science elective for graduation purposes.

PSYCHOLOGY IB (SL or HL)

Credit: 1.0; Full year; Grades 11, 12 **Materials Fee:** Only those students intending to seek the IB diploma or IB certificate/s will have fees.

Prerequisite: None

Course objectives: This course is open to any student intending to go to college and specifically meets the IB full diploma elective requirement. The course is intended for students wishing to have a deeper study of psychology than the semester psychology course offers, and is offered at both the Standard Level (1 year) and Higher Level (2 year).

Psychology is defined as the systematic study of behavior and experience. The course will focus on the role of research and the different theoretical perspectives in the field of psychology to understand the relationship between physiological processes and human experience and to study this complex relationship. To ensure a holistic viewpoint, each perspective will be explored using four compulsory topics: development and cultural contexts, frameworks, methodologies, and application. Areas of study will include the compulsory perspectives: biological, cognitive and socio-cultural, the application option, health or abnormal psychology, and ethical research design and methodology. This course fulfills one credit towards the Civics Distinction.

The HL course builds upon knowledge and skills gained in the first year SL course. This second year allows students to further their understanding of psychology by examining the role of qualitative, as well as quantitative research, in addition to extending study of the three perspectives introduced in year one. HL students will also study one additional area in the application options and have the opportunity to explore areas of individual interest.

*To earn the IB designation on higher level courses, students must register and take the IB external assessment during their senior year.

Core: Theory of Knowledge

THEORY OF KNOWLEDGE 1 IB

Credit: .5; One Semester; Grades 11, 12

IB diploma candidates must take this course during the second semester of their junior year. Other students may take this course either their junior or senior year.

Materials Fee: Only those students intending to seek the IB diploma or IB certificate/s will have fees.

Prerequisite: None

Course objectives: The Theory of Knowledge (TOK) class is a seminar in which students have the opportunity to sharpen their critical thinking skills by reflecting on not only what they know, but also how they know. Students will develop skills which allow them to reason critically and communicate clearly both orally and in writing; to connect various ways of knowing, different areas of knowledge, and personal experiences; and to demonstrate an understanding of the ways in which knowledge is affected by judgments, beliefs and personal views. Students will discuss real world issues as a means of exploring the nature of knowledge in the various disciplines, the various ways of knowing, and the problems of knowledge. Essential to success in the class is curiosity and a willingness to be actively involved in seminar discussions.

THEORY OF KNOWLEDGE 2 IB

Credit: .5; One Semester; Grades 11, 12

IB diploma candidates must take this course during the first semester of their senior year. Other students may take this course either their junior or senior year.

Materials Fee: Only those students intending to seek the IB diploma or IB certificate/s will have fees.

Prerequisite: ToK 1 is recommended for all students but required only for IB diploma candidates and IB TOK certificate candidates.

Course objectives: ToK 2 continues the curriculum of ToK 1, beginning with a review of the ways of knowing and the nature of knowledge, with a focus on the strengths and limitations of knowledge in each area of knowledge. The course will culminate with a formal oral presentation and a formal paper. Essential to success in the class is curiosity and a willingness to be actively involved in seminar discussions.

International Languages

The International Language Department welcomes all FHS students to explore world cultures through language studies. All students are welcome and will benefit from the study of languages. Language study opens the door to new cultural experiences. Students will study the five C's: Communication, Culture, Connections with other subject areas, Comparisons of their own language and culture with the new language, and Connections between the new language, their community and the world. While language study is not a requirement for graduation from FHS, many colleges and universities require two to four years of language study.

Students who have an interest in a full IB Diploma, IB certificate, or International Language Distinction must have four (4) years of a language starting as freshmen. We, therefore, recommend that they write in the other language offered when listing alternate classes to insure a Foreign Language class their Freshman year. The International Language Distinction is for students not pursuing a full IB Diploma and will be in addition to their Junior and Senior year coursework.

In order to provide increased support of the International Baccalaureate Programme, Ab Initio French and Spanish classes are now offered. The Ab Initio is designed to provide a path to the full IB diploma ONLY for students who have transferred to Flathead High School or who, for some other reason, have not had access to four full years of language study. Ab Initio must be approved by the department and the IB Coordinator and may require extra work.

New to our program is the Montana Seal of Biliteracy. The Seal of Biliteracy is awarded to high school seniors who have demonstrated language proficiency in English and at least one other language. The seal was created to encourage students with a first language other than English to maintain and/or develop their home language while learning English and challenge students whose first language is English to attain proficiency in an additional world language. The seal is affixed to the high school diploma or on a separate certificate and the accomplishment is noted on the transcript of the graduating senior.

To learn a language is to have one more window from which to look at the world. -Chinese proverb

COURSE DESCRIPTIONS

LEVEL 1 FRENCH, SPANISH

Credit: 1.0; Full year, Grades 9, 10, 11, 12

Fee: none

Course Objective: Level 1 language study introduces students to basic expressions needed to function in everyday situations. Students will participate in oral activities as well as written activities as they explore the new language.

LEVEL 2 FRENCH IB/AB INITIO, (STANDARD LEVEL) OR SPANISH IB/AB INITIO, (Standard Level)

Credit: 1.0 Full Year, Grades 10, 11, 12

Prerequisite: Successful completion of level 1 and teacher recommendation. Students who wish to take the class for Ab Initio credit must have permission from the IB coordinator and the Ab Initio instructor.

Fee: Only for those taking the Ab Initio test

Course objective: Level 2 studies of French and Spanish build on and increase the vocabulary and grammar skills from level 1. Oral and written skills are developed through cultural studies.

LEVEL 3 FRENCH IB/AB INITIO, (Standard Level) OR LEVEL 3 SPANISH IB/AB INITIO, (Standard Level)

Credit: 1.0 Full year, Grades 10, 11, 12

Prerequisite: Successful completion of level 2 and/or teacher recommendation. Students who wish to take the class for Ab Initio credit must have permission from the IB Coordinator and the Ab Initio Instructor.

LEVEL 4 FRENCH / IB FRENCH, (Standard Level)

Credit: 1.0 Full year, Grades 11, 12

Prerequisite: Successful completion of French 3 and teacher permission.

Fee: Only those students intending to sit for the IB test will have fees.

Course Objectives: Students develop their proficiency in interactions with other speakers of French, understanding oral and written messages in French, and making oral and written presentations in French. Students exchange and support opinions on a variety of topics related to contemporary events and issues. IB students who are sitting for the IB test will have specific test practice. *Students enrolled in this class will have a summer assignment in preparation for Level 4.

LEVEL 4 SPANISH / IB SPANISH, (Standard Level)

Credit: 1.1 Full year, Grades 11, 12

Prerequisite: Successful completion of Spanish 3 and teacher permission.

Fee: Only those students intending to seek the IB diploma or IB certificate/s will have fees.

Course Objective: Students develop their proficiency in interactions with other Spanish speakers, understanding oral and written messages in Spanish, and making oral and written presentations in Spanish. Students exchange and support opinions on a variety of topics related to contemporary events and issues. IB students who are sitting for the IB test will have specific test practice. *Students enrolled in this class will have a summer assignment in preparation for Level 4.

Mathematics

GENERAL GUIDELINES

Due to the sequential and cumulative nature of mathematics and the desire for students to be successful, students are placed in a math course based on the recommendation of their previous teacher and/or based on an evaluation by the Flathead High School Math Department. Also, crucial to student success is a regular attendance and completion of all activities and assignments.

CURRICULUM RECOMMENDATIONS

- All FHS graduates should complete Algebra 1 as a minimum requirement.
- Highly motivated students are urged to pursue a mathematics program so that they might take advantage of our most accelerated curriculum, which culminates in Applications and Interpretation IB (SL) or Analysis and Approaches IB (HL).
- Students must have the Algebra 1 math teacher's recommendation to take Geometry and Algebra II in the same year.
- Students interested in pursuing a STEM degree should take Pre-IB Algebra 2 during their sophomore or junior year.
- Regardless of the mathematics curriculum followed, all students are recommended to participate in a mathematics class during their senior year of high school.

COURSE DESCRIPTIONS

ALGEBRA 1

Credit: 1.0; Full Year; Grade 9, 10, 11, 12

Prerequisite: None

Course Objectives: Algebra 1 is an introductory course focusing on algebraic concepts/skills and their applications to real life situations. These topics are typically studied in a ninth grade mathematics class. Major topics covered are linear equations, linear inequalities, ratios, geometric concepts, statistics, probability, exponents and polynomials, factoring polynomials, quadratic functions and equations. Students will be introduced to technology consisting of the TI-84 graphing calculator and computer software.

ALGEBRA 2

Credit: 1.0; Full year; Grades 10, 11, 12

Prerequisite: Algebra 1 and Geometry

Course Objectives: Algebra 2 objectives are to study transformations of functions and to study, model, and apply, quadratic, polynomial, exponential, logarithmic, exponential, rational and radical, along with probability/statistics and sequences/series. This course is mandatory for all 4-year colleges.

APPLICATIONS AND INTERPRETATION IB (SL)

Credit: 1.0; Full year; Grades 11, 12

Prerequisite: Algebra 2 with a minimum grade of "C" semester 2 or completion of Pre-IB Algebra 2

Course Objectives: This course is open to any student intending to go to college and specifically meets the IB full diploma mathematics requirement in one year. This course covers a broad spectrum of mathematical topics, with an emphasis upon practical application of advanced mathematical concepts, specifically through the lens of statistics. The distinguishing feature of this course is an open exploration of mathematics, where students write a short report on a mathematical topic of their choice at or above the level of the course. Major topics include: statistics, probability, trigonometry, functions and mathematical modeling. Students intending to complete a full year of calculus should enroll in IB Analysis and Approaches 1 (HL) their junior year.

APPLIED GEOMETRY

Credit: 1.0; Full year; Grades 10, 11, 12

Prerequisite: Algebra 1 with teacher recommendation required

Course Objectives: This course focuses on the key concepts that provide a strong foundation in the essentials of geometry. The emphasis is on practicing and maintaining computational and algebraic skills, providing technical applications of geometry, applying concepts to real-world problems, and providing time to explore each concept thoroughly. This course slows the pace and narrows the focus of topics as compared to a regular Geometry course.

ANALYSIS AND APPROACHES 1 IB (HL)

Credit: 1.0; Full year; Grade 11 and 12

Prerequisite: Pre-IB Algebra 2 (teacher recommendation for 2023 to 2024 year)

Course Objectives: This course is the first of a two-year sequence for students pursuing Calculus during their high school career OR for students looking for a more rigorous year of mathematics. Analysis and Approaches HL is designed for students who wish to study mathematics at a more in-depth level through both application and formal proof. Topics covered in this course parallel that of a Pre-Calculus course with additional topics which include polar coordinates, methods of proof, three-dimensional space and vectors.

IB ANALYSIS AND APPROACHES IB (SL)

Credit: 1.0; Full year; Grade 12

Prerequisite: Pre-Calculus IB (SL) or Math Studies IB (SL) with a minimum grade of "C" semester 2

Course Objectives: Offered 2023 to 2024 ONLY. This Course is open to any student choosing to take Analysis and Approaches and specifically meets the IB full diploma mathematics SL requirement in two year pre-calculus/Analysis And Approaches Sequence. This Course Covers Statistics, differential and integral calculus.

CONSUMER MATHEMATICS

Credit: 1.0; Full year; Grade 12

Prerequisite: None

Course Objectives: This course will study all aspects of consumerism through mathematical methods. Taxes, food and housing costs, investments, insurance, and transportation are a few of the concepts to be discussed. This course is enriched by guest speakers who bring the real world to the classroom.

GEOMETRY

Credit: 1.0; Full year; Grades 9, 10, 11, 12

Prerequisite: Completion of Algebra 1

Course Objectives: Geometry is a study of geometric concepts using the math of Algebra 1. Technology (graphing calculators and software programs) will be used to explore and demonstrate geometric concepts when appropriate. Some major topics covered are basic geometric concepts, reasoning and proofs, angles and parallel lines, triangles, quadrilaterals, circles, congruence and similarity, transformations, area, surface area and volume.

PRE ALGEBRA

Credit: 1.0; Full year; Grade 9

Prerequisite: Teacher recommendation required

Course Objectives: Pre Algebra is designed to increase student confidence and develop a better understanding of mathematics. It is a course of study for students who have previously encountered difficulty in grasping mathematical concepts presented in previous courses. The course will review basic mathematical skills focusing on real life and practical applications and will study pre-algebra topics including: signed numbers, variables, equations, and graphing. Real life examples, explorations and technology will be used to achieve a better understanding of the individual math concepts. Emphasis will be placed on improving the student's problem-solving, reasoning, and communication skills. In addition, students will continue to develop a sound working knowledge of basic number skills.

PRE-IB ALGEBRA 2

Credit: 1.0; Full year; Grade 10 and 11

Prerequisite: Geometry

Course Objectives: This course is designed as an accelerated Algebra 2 class intended for students wishing to pursue Calculus in high school. Pre-IB Algebra 2 parallels current Algebra 2 curriculum with a focus on introducing students to the IB approach of studying mathematics.

PRE-CALCULUS IB (SL)

Credit: 1.0; Full year; Grade 11 or 12th graders who do not intend to sit for IB exams

Prerequisite: Completion of Algebra 2

Course Objectives: This course covers traditional pre-calculus topics, with an emphasis upon functions (polynomial, rational, logarithmic, circular, trigonometric, exponential) as well as probability and statistics. Successful completion of this course will prepare students to find success in a wide variety of courses in college. Students who are planning to take Calculus in high school should enroll in Analysis and Approaches 1 IB (HL) during their junior year

TRANSITION TO ALGEBRA

Credit: 1.0; Full year; Grade 10

Prerequisite : Pre Algebra Teacher recommendation only.

Course Objectives : This course is designed to increase student confidence and develop a better understanding of mathematics. It is a course of study for students who have previously encountered difficulty in grasping mathematical concepts. Students will review and build upon skills previously learned in the topic areas of signed numbers, variables, and equations. Further topics studied will be inequalities, statistics, linear graphs, geometry, ratio/proportion and probability. Real life examples, explorations and technology will be used to achieve a better understanding of the individual math concepts. Emphasis will be placed on improving the student's problem-solving, reasoning, and communication skills. In addition, students will continue to develop a sound working knowledge of basic number skills. Upon successful completion of this course the self-motivated student with a good work ethic will have the required background knowledge for enrolling in Algebra 1.

Music

We welcome students of all ability and grade levels. Auditions or instructor approval are required for placement in some classes. Music classes are designed for students to work their way into increasingly advanced music making. Factors considered in auditions are a student's training and experience, the quality of their singing or playing, the ability to read music, and their rehearsal and performance skills. Come be a part of Flathead High's outstanding music department!

COURSE DESCRIPTIONS

BAND

BEGINNING BAND

Credit: .5; 1st Semester Only; Grades 9-12

Prerequisite: None

Materials Fee: Annual Instrument Rental Fee (only if using a school instrument—amount varies)

Course Objectives: This course is for students who would like to learn a band instrument but have little or no previous experience. Foundational instrumental techniques will be taught on woodwind, brass, and percussion instruments, and students will learn to read standard musical notation. Students who choose flute, clarinet, saxophone, trumpet or trombone should try to provide their own instrument due to limited school inventory. Students who choose French horn, euphonium (baritone), or tuba have the option to provide their own instrument or rent one from the school. Percussionists are required to purchase a stick bag (from FHS Band) that contains beginner-level mallets and drumsticks and pay the yearly instrumental fee for the use of school percussion. Unlike a middle school beginning band class, this course moves at a faster pace with the goal of mainstreaming students into one of the standard level band classes by the following semester. This class does not participate in marching band.

BRAVES BAND (HS Level 1)

Credit: 1.0; Full year; Grades 9-12

Materials Fee: Annual Instrument Rental Fee (only if using a school instrument—amount varies)

Course Objectives: Braves band is for all incoming freshmen, older students who played an instrument previously but decided to enroll in band later in high school, or students with one semester of Beginning Band class at FHS. Braves Band focuses on developing performance skills, proper playing technique, instrument care/maintenance, and music fundamentals, nomenclature, & theory. All performances throughout the year are mandatory including marching band performances/trips*, concerts, concert band festivals, District 1 Music Festival, etc.

**NOTE: All band and percussion classes combine to form the marching band.*

CONCERT BAND (HS Level 2)

Credit: 1.0; Full year; Grades 10-12

Materials Fee: Annual Instrument Rental Fee (only if using a school instrument—amount varies)

Course Objectives: Students interested in Concert Band are required to have prior participation in high school band or written consent of the instructor. This band is for students who are continuing to develop their musical and instrumental abilities. All performances throughout the year are mandatory including marching band performances/trips*, concerts, concert band festivals, District 1 Music Festival, etc.

**NOTE: All band and percussion classes combine to form the marching band.*

PERCUSSION (HS Levels 1-3)

Credit: 1.0; Full year; Grades 9-12

Materials Fee: Annual Instrument Rental Fee

Course Objectives: Percussion class is required of all percussionists, experienced instrumentalists new to percussion, or students who played percussion previously, but decided to join a band class later in high school. NOTE: Percussion students are NOT required to enroll in Braves, Concert, or Symphonic band classes unless an unavoidable scheduling conflict occurs. Class sessions cover learning/honing stick and mallet technique; learning the 40 PAS rudiments; learning all major & relative minor scales and modes; and other fundamental percussion techniques. Students will rehearse marching band music and cadences (drumline & side ensemble); percussion parts for performance with the Braves Band, Concert Band, and Symphonic Band; percussion ensemble music; and pep band music. All performances throughout the year are mandatory (i.e. marching band performances/trips*, concerts, concert band festivals, District 1 Music Festival, etc.).

**NOTE: All band and percussion classes combine to form the marching band.*

SYMPHONIC BAND (HS Level 3)

Credit: 1.0; Full year; Grades 10-12

Materials Fee: Annual Instrument Rental Fee (only if using a school instrument—amount varies)

Course Objectives: Students may enroll in Symphonic Band after a successful audition and consent of the instructor. Students at this level must exhibit exceptional maturity and ability both on their instrument, and in their personal conduct. This band is a performance-oriented organization presenting the very best in traditional and contemporary band literature. All performances throughout the year are mandatory including marching band performances/trips*, concerts, concert band festivals, District 1 Music Festival, etc. This ensemble travels out of state on alternate years.

**NOTE: All band and percussion classes combine to form the marching band.*

CHOIR

AEOLIAN CHOIR (HS Level 1)

Credit: 1.0; Full year; Men Grades 9-12

Prerequisite: None

Course Objectives: This choir is open to any male student interested in vocal music. No previous experience is required. Students in this performance-based class will prepare a wide variety of repertoire to be presented at concerts throughout the year. Attendance at all performances is mandatory. Music studied throughout the year will be drawn from different historical time periods, represent a variety of languages and cultures, and will include both music specifically designed for the male voice as well as music for men and women together. Through the preparation of choral music for performance, students will learn the basics of vocal technique, sight-reading, theory, and choral musicianship.

DORIAN CHOIR (HS Level 1)

Credit: 1.0; Full year; Women Grades 9-12

Prerequisite: None

Course Objectives: This choir is open to any female student interested in vocal music. No previous experience is required. Students in this performance-based class will prepare a wide variety of repertoire to be presented at concerts throughout the year. Attendance at all performances is mandatory. Music studied throughout the year will be drawn from different historical time periods, represent a variety of languages and cultures, and will include both music specifically designed for the female voice as well as music for men and women together. Through the preparation of choral music for performance, students will learn the basics of vocal technique, sight-reading, theory, and choral musicianship.

FLATHEAD SINGERS (HS Level 2)

Credit: 1.0; Full year; Men and Women Grades 10-12

Prerequisite: Audition with instructor

Course Objectives: This course is open to 10th, 11th, or 12th grade students by audition. Students in this performance-based class will prepare a wide variety of repertoire to be presented at concerts throughout the year. Attendance at all performances is mandatory. Music studied throughout the year will be drawn from different historical time periods and represent a variety of languages and culture. Through the preparation of choral music for performance, students will continue their study of vocal technique, sight-reading, theory and choral musicianship. Please see the instructor for more details or to set up an audition time.

CONCERT CHOIR (HS Level 3)

Credit: 1.0; Full year; Men and Women Grades 11,12

Prerequisite: Audition with instructor

Course Objectives: Concert Choir, the premier mixed choir at FHS, is open to 11th, and 12th grade men and women by audition. This choir strives for the highest levels of artistic achievement in choral music. Students in this performance-based class will prepare a wide variety of challenging repertoire, both accompanied and a cappella, to be presented at concerts throughout the year. Attendance at all performances is mandatory. Through their preparation of choral music for performance, students will continue their study of vocal technique, sight-reading, theory, and choral musicianship. This ensemble holds a fall retreat every year, participates in one or more festivals, and travels on alternate years. Please see the instructor for more details or to set up an audition time.

CHORAL-AIRES (HS Level 4)

Credit: 1.0; Full year; Men and Women Grades 11,12

Prerequisite: Audition with instructor and concurrent enrollment in Concert Choir

Course Objectives: This small ensemble of 16-20 voices focuses on chamber music, vocal jazz, and other styles suited for small vocal groups. Admission to this class is by audition only and is limited by the number of openings each year. Members of this choir must also be enrolled in the Concert Choir. This ensemble performs frequently out in the community. All performances are mandatory. Please see the instructor for more details or to set up an audition time. (Note: Full IB students may petition to take Choral-Aires without enrolling in Concert Choir; such petitions will be considered on a case-by-case basis and addressed collaboratively by the music department and administration).

ORCHESTRA

CONCERT ORCHESTRA (HS Level 1)

Credit: 1.0; Full year; Grade 9

Prerequisite: Students must have some previous orchestra experience or two years of private lessons.

Course Objectives: Concert Orchestra is the only orchestra available to freshman string players at FHS, and is where they will develop the necessary technical skills, musicianship, and comradery with peers to perform in the upper orchestras. Students enrolling in Concert Orchestra will spend class time developing their musical foundation, including performance skills, music history and music theory. Performances will occur throughout the year and will include evening concerts and music festivals. Students enrolled in Concert Orchestra will have the opportunity to perform solos and ensembles at District Music Festival, as well as being eligible to audition for All-State and All-Northwest Orchestras. This ensemble will tour with the orchestra program every other year.

CHAMBER ORCHESTRA (HS Level 2)

Credit: 1.0; Full year; Grades 10-12

Prerequisite: Successful completion of Concert Orchestra and discretion of instructor

Course Objectives: This orchestra is available for all 10th through 12th grade orchestra students who wish to continue to hone their technical and musical skills. Students in the Chamber Orchestra will attend the AA State Orchestra Festival each year and have the opportunity to combine with the Symphonic Orchestra at concerts to perform works composed for full orchestra. This ensemble will tour with the orchestra program every other year.

SYMPHONIC ORCHESTRA (HS Level 3)

Credit: 1; Full year; Grades 10-12

Prerequisite: Audition with instructor

Course Description: Symphonic Orchestra is an audition-based orchestra for intermediate to advanced string players. This ensemble will perform traditional and contemporary string repertoire, as well as works composed for full orchestra alongside select band students from Symphonic Band. Many performances will involve combining with the Chamber Orchestra, including the AA State Orchestra Festival. Symphonic Orchestra will tour each spring as the premier FHS string ensemble, combining with the rest of the orchestras every other year.

ADDITIONAL MUSIC OFFERINGS

FOLK BAND

Credit: .5; One semester; Grades 10-12

Prerequisite: Concurrent enrollment in orchestra class or audition with instructor

Course Description: Folk Band is a performing ensemble available to guitar and orchestral string instruments for students to explore bluegrass, Celtic, country, and other folk music from around the world. Students will learn to play in a variety of styles, improvise on their instrument of choice, and have the opportunity to learn the banjo or mandolin. Performance locations may include the FHS auditorium alongside the orchestras, as well as other venues in the Kalispell area.

MUSIC THEORY AND HARMONY

Credit: .5; One semester; Grades 10-12

Prerequisite: Concurrently enrolled in Band, Choir, Orchestra, Guitar 2, Guitar 3, or consent of instructor

Course Objectives: This class is an introduction to western music theory and composition. Students will develop skills in music literacy, ear training, and basic compositional techniques. This class is highly recommended for any student planning to study music in college.

MUSIC CREATION

Credit: .5; One semester; Grades 10-12

Prerequisite: None

Course Objectives: Students will have the opportunity to explore the world of music technology. They will work mainly with GarageBand learning how to produce/record basic songs, remixes, film background music and effects. Students will also learn the building blocks of music through a modern and engaging format.

BEGINNING GUITAR

Credit: .5; One semester; Grades 10-12

Prerequisite: None

Course Objectives: Beginning Guitar is designed to teach novice guitar students from 10th through 12th grade with very little or no musical experience or knowledge. Students will learn to read guitar notation and chord charts, giving them the fundamental skills to continue to grow their guitar ability beyond what is covered in this class. There will be opportunities for students to learn and perform songs of their own choosing, as well as ensemble pieces. Students may rent a school instrument for \$30 per semester, or they can provide their own guitar.

Science

GENERAL GUIDELINES

To graduate, a student must pass two credits of core discipline laboratory science courses. Students are required to be enrolled in science during their freshman and sophomore years. Although only two credits of core science courses are required, all students are encouraged to take more than two credits of science in order to meet all of the science standards set forth by the state of Montana. College bound students should consult the admission requirements of their prospective colleges as many require or strongly recommend at least three credits of science. All science courses require a signature by a science teacher before registration.

Core discipline science course for students taking **only** two credits of science:

Grade 9 Biology

Grade 10 Earth Science, Earth Science Basic, Earth Science Honors, Biology, Chemistry, Semester Chemistry, Semester Physics

Core discipline science courses and science elective courses for students taking more than two credits of science:

Grade 9 Biology

Grade 10 Earth Science, Earth Science Honors, Biology, Chemistry, Semester Chemistry, Semester Physics

Grade 11 and 12 Full year offerings – Biology, Earth Science, Earth Science Honors, Chemistry, Advanced Problems in Science, Organic Chemistry, Biology 1 IB, Biology 2 IB, Physics 1 IB, Physics 2 IB, Environmental Systems and Society 1 IB, Environmental Systems and Society 2 IB, Sports, Exercise and Health Science IB, Montana Ecology
Semester offerings – Semester Chemistry, Semester Physics, Forensics, Introduction to Biotechnology, Astronomy.

Note: Many 11th and 12th grade courses have prerequisites, so please refer to the course descriptions.

COURSE DESCRIPTIONS

ADVANCED PROBLEMS IN SCIENCE (APS)

Credit: 1.0; Full year; Grade 11 or 12

Prerequisites: Successful completion of two credits of core discipline science courses including earning a C or higher in Biology and/or Chemistry. This course cannot be used to meet the two credits of core discipline science courses.

Course Objective: In this unique course, students have the opportunity to pursue in-depth, independent research in an area of special scientific interest of their choosing. Students will learn how to work effectively in a professional setting with community mentors, design and implement an original research project, communicate their findings in a variety of formats, participate in the professional peer review process through competitions and submission to research publications, and apply their results to solve real world problems. This course is especially suited for students who are independent learners with strong project management skills.

AG BOTANY

Credit 1.0 science; Semester; Double Period; Grades 11, 12

Location: Agricultural Education Center

Materials Fee: \$0

Prerequisite: Successful completion of two credits of core discipline science courses, including Biology. This course cannot be used to meet the two credit core discipline science course requirements.

Course Objectives: Ag Botany class is a hands-on, lab based class using the resources at the Ag center. Students will develop knowledge and skills pertaining to soil formation, soil profile, soil erosion, management practices, soil conservation (agronomy), nutrient testing, fertilizer amounts and nutrient cost. Students will understand photosynthesis and the factors that affect the rate of photosynthesis, absorption and transpiration. Plant anatomy and physiology will be included, along with the process of seed germination. Students will classify common crops/biological pathogens and learn about prevention of weeds/plant diseases. Biotechnology practices and applications in agriculture will be included, along with listening and spending time with professionals in plant and soil science careers.

ASTRONOMY

Credit: .5; One semester; Grades 11 or 12

Prerequisite : Successful completion of two credits of core discipline science courses, including Biology. This course cannot be used to meet the two credits of core discipline science courses requirement.

Course Objective : Students will study historic astronomy, some fundamental physics and the nature of light. Students will learn the composition and nature of the universe, from our own solar system, to stars and stellar evolution, interstellar matter, galaxies, and clusters of galaxies. We will be able to answer questions like: Why does the Moon have phases? How have people in different cultures including Native tribes studied the sky? How do stars evolve and die? How do we know our Universe is expanding? Investigations will improve skills in the science practices including: asking questions, planning and carrying out investigations, interpreting data, constructing explanations and arguing from evidence.

BIOLOGY (A Core Discipline Science Course)

Credit: 1.0; Full year; Grade 9, 10, 11, or 12.

Course Objective: Biology is the “study of living organisms”. This course is designed to meet the minimum state and national requirements for Biology. In accordance with standards, main areas of study will include: historical developments/contributions, chemistry of life, cells, DNA, genetics & heredity, energy use in photosynthesis & cellular respiration, classification, ecology, evolution, and human systems. Biology also emphasizes lab skills, experimental design, and data analysis. As an introductory course in biology, students are prepared for college and international baccalaureate courses. Students will be introduced to various moral and environmental issues being brought to the fore by research in bioengineering and other areas of biological research. They will be provided with tools to make educated decisions regarding these new technologies and developments. Methods of study will be diversified and include labs, mini-labs, research, writing, projects, video support and possibly fieldwork to keep students actively learning. You supply the enthusiasm and good work ethic and we will be off and running!

BIOLOGY 1 IB (HL firsts year)

Credit: 1.0; Full year; Grade 11 or 12

Note: This is the first year of a two-year IB Biology sequence. Students are welcome to take this course without continuing to the second year if they are interested in an advanced biology class and are not seeking an IB certificate.

Prerequisite: Successful completion of two credits of core discipline science courses including earning a “C” or higher in Biology. It is recommended, but not required, to have successful completion of Chemistry.

Course Objective: This course is open to any student meeting the prerequisites and specifically meets the IB full diploma science requirement. The IB biology curriculum is designed to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing and expanding science of biology in the modern world. The successful student will develop experimental and statistical skills required to complete the individual investigation required in IB Biology 2. This is a rigorous, in depth, two-year biology sequence designed to be taken the junior and senior years, however students may complete year one only during junior or senior year. Biology 1 IB will cover cell biology, physiology, ecology and plant science. In addition, a required group project will be completed with another IB science class and a field trip will be taken out of state to complete required ecology lab hours.

BIOLOGY 2 IB (HL second year)

Credit: 1.0; Full year; Grade 12

Prerequisite : Successful Completion of Biology IB 1 (HL)

Course Objective : This course is open to any student meeting the prerequisites and specifically meets the IB full diploma science requirement. The Biology IB curriculum is designed to provide students with a conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing and expanding science of biology in the modern world. The successful student will develop his or her experimental and investigative skills. This rigorous, in depth, two-year biology sequence is designed to be taken the junior and senior years. Biology 2 IB will cover biochemistry, genetics, and evolution. Additionally, all students will be required to complete a 10 hour individual investigation. To earn the IB designation on higher level courses, students must take the IB external assessments. See fee schedule and the details included in the IB portion of this handbook.

CHEMISTRY YEAR (A Core Discipline Science Course)

Credit: 1.0; Full year; Grades 10, 11, or 12

Prerequisites: Completion of Algebra 1 with a “C” or higher.

Course Objective : The goals of this chemistry course are to develop problem solving skills for everyday life and to understand the chemical interactions related to our world. This course is highly recommended for any student who wishes to continue beyond two years of science. Chemistry is the study of electrons and their interactions as they relate to matter. Chemistry topics include measurement, atomic structure, periodic trends, bonding, chemical reactions, stoichiometry, nuclear chemistry, gas laws, thermodynamics, kinetics, equilibrium, acids and bases. Students will engage in predicting, designing, experimenting and describing the chemical interactions of everyday life. Mathematical relationships are emphasized, as well as the explanations of observed phenomena in terms of modern scientific theory. This course is recommended as an IB prep science course.

EARTH SCIENCE BASIC (A Core Discipline Science Course)

Credit: 1.0; Full year; Grades 10, 11 or 12

Prerequisite: Placement is based on recommendations from instructors and counselors with reference to assessment data. The course is designed to meet the needs of students with learning disabilities, and/or novice reading abilities. **Students enrolled in basic earth science must also qualify for and be enrolled in the Reading Intervention program.**

Course Objective: A lab-based course that explores the solid earth and space systems, giving students the opportunity to discover how the dynamic earth affects their lives. Guided by the same key questions as Standard Earth Science, but designed to meet the needs of students who are at least two grade levels behind in reading. Investigations will provide opportunity for students to practice skills in the science including: asking questions, planning and carrying out investigations, interpreting data, constructing explanations and arguing from evidence. Local earth science topics will be incorporated into the curriculum wherever possible.

EARTH SCIENCE (A Core Discipline Science Course)

Credit: 1.0; Full year; Grades 10,11 or 12

Prerequisite: None

Course Objective: Earth Science is a lab-based course that explores the systems of the solid earth and space systems, giving students the opportunity to discover how the dynamic earth affects their lives. Students will make connections involving human interactions with our earth systems and the environment. Our areas of study will be guided by the key questions outlined by our state standards.

- How do the major Earth systems interact?
- How do the properties and movements of water shape Earth's surface and affect its systems?
- What is the Universe and what goes on in stars?
- How do people reconstruct and date events in Earth's planetary history?
- What regulates weather and climate?
- How do humans depend on Earth's resources?

Investigations will improve student skills in the science practices including: asking questions, planning and carrying out investigations, interpreting data, constructing explanations and arguing from evidence. Local earth science topics will be incorporated into the curriculum wherever possible.

EARTH SCIENCE HONORS (A Core Discipline Science Course)

Credit: 1.0; Full year; Grades 10,11 or 12

Prerequisite: Completion of Biology with a "C" or higher

Course Objective : Honors Earth Science is designed to meet the needs of students with above average or college capable academic skills. The objective is to improve student science skills in preparation for upper level science classes while exploring the dynamic earth. Our core areas of study will be guided by the key questions outlined in standard Earth Science. In addition: honors will cover topics in greater depth and use higher level reading material to supplement the curriculum. Investigations will improve student skills in the science practices including: asking questions, planning and carrying out investigations, interpreting data, constructing explanations and arguing from evidence. Students will work toward more independence in all aspects of investigation and communication.

ENVIRONMENTAL SYSTEMS and SOCIETIES 1 IB (SL First Year)

This course is the PREREQUISITE for the ENVIRONMENTAL SYSTEMS and SOCIETIES 2 IB (SL)

Credit: 1.0; Full year; Grades 11 or 12

Note: This is year one of the two-year IB Environmental Systems and Societies sequence designed for IB diploma and IB certificate candidates. However, students are welcome to take this course without going on to the second year if they are interested in only one year of an environmental science course.

Prerequisite: Completion of two credits of core discipline science courses including earning a C or higher in Biology.

Course Objective: The intent of this course is to provide students with a coherent perspective of the interrelationships between environmental systems and societies; one that is scientific and enables the adoption of an informed personal response to the wide range of environmental issues societies around the world face. This course emphasizes the scientific method, field studies, analysis of quantitative data, and strong lab design skills. Topics to be covered are systems and models, ecosystems and ecology, biodiversity and conservation, and atmospheric systems and pollution. Students will be participating in field trips to Glacier National Park, the Flathead River, and either Newport, Oregon, or Moab, Utah. Further class details can be found online at www.mscores.com

ENVIRONMENTAL SYSTEMS and SOCIETIES 2 IB (SL Second Year)

Credit: 1.0; Full year; Grade 12

Note: This is the second year of the two year Environmental Systems and Societies IB sequence designed for IB diploma and IB certificate candidates.

Prerequisite: Successful completion of Environmental Systems and Societies 1IB.

Course Objective: The intent of this course is to provide students with a coherent perspective of the interrelationships between environmental systems and societies; one that is scientific and enables the adoption of an informed personal response to the wide range of environmental issues societies around the world face. This course emphasizes the value of empirical, quantitative, and objective data in describing and analyzing environmental systems. This course also provides students with the experiences and skills necessary to quantitatively examine the environment. Field research is a REQUIRED portion of the curriculum. Topics to be covered are water and aquatic food production systems, soil systems, food production/agriculture, human systems and resource use, energy resources, natural capital, and climate change. Students will be participating in field trips to Glacier National Park, the VoAg Center, and either Newport, Oregon or Moab, Utah to complete ecological field studies. Further class details can be found online at www.mscores.com.

FORENSICS

Credit: .5; One semester; Grades 11 or 12

Prerequisite: Successful completion of two credits of core discipline science courses, including Biology. This course cannot be used to meet the two credits of core discipline science courses requirement.

Course Objective: Forensic science is the application of science to those criminal and civil laws that are enforced by police agencies in a criminal justice system. In this course, students will employ the disciplines of chemistry, physics, biology and psychology into the understanding of how forensic science is used in the analysis of the many types of evidence that may be recovered during a crime investigation. Typical areas of study include: Hair analysis, Fingerprint Analysis, DNA fingerprinting, Psychological Profiling, Conventional Serology, Blood Spatter Analysis and Toxicology. The scientific method will be emphasized throughout the course.

INTRODUCTION TO BIOTECHNOLOGY

Credit: 0.5; FVCC Credit: 3 for BIOB 105; One Semester; Grade 11 or 12;

Prerequisites: Successful completion of two credits of core discipline science courses.. This course cannot be used to meet the two credits of core discipline science courses requirement.

Course Objective: Introduction to Biotechnology is a dual credit course offered in conjunction with Flathead Valley Community College. This course will provide the student an overview of the fascinating field of biotechnology through case studies, lab experiments and projects. This course includes an introduction to the rapidly-expanding field of biotechnology and its application to human and veterinary medicine, agriculture, biofuels, bioremediation, and bioinformatics. Laboratory exercises will include basic laboratory safety, measurement methods, microbial cell culture, bacterial transformation, and other core skills used in the biotechnology laboratory.

MONTANA ECOLOGY (BRAVE ADVENTURES)

Credit: 1.0; Full year; Grade 11

Prerequisite: Successful completion of two credits of core discipline science courses, including biology. This course cannot be used to meet the two credits of core discipline science course requirement.

Course Objective: This course must be taken in conjunction with IB Language and Literature 11: Nature and Society (HL) (English) and Outdoor Pursuits (HPE) as part of Brave Adventures.

This course is part of the proposed Brave Adventure block which provides students with the opportunity to learn about, interact with, and value the natural world around them. We will focus on the ecology of Montana. Students will explore river and lake ecology, forest ecology, alpine ecology, wildlife biology and management, population ecology, and resource use. Additionally, students will explore these ecosystems through relevant project-based opportunities and REQUIRED field studies that would also incorporate lab design, data collection and processing.

ORGANIC CHEMISTRY

Credit: 1.0; Full year; Grades 11 or 12

Prerequisite: Successful completion of two credits of core discipline science courses including earning a "C" or higher in semester Chemistry or year long Chemistry. This course cannot be used to meet the two credits of core discipline science courses requirement.

Course Objective: The course is for students who have a need or desire to acquire a knowledge of elementary Organic Chemistry and whose interests are in agriculture, forestry, engineering, home economics, nursing, dentistry, pharmacy, veterinary, human medicine, criminology and forensic science. This course is designed to prepare students for college Organic Chemistry. Students will learn the laboratory techniques used in Organic Chemistry research. They will also do analysis, syntheses, and research investigation using both instrumental analysis such as nuclear magnetic resonance, infrared spectrometry, and wet chemistry. Students will gain a strong understanding of the names, properties, reactions and synthesis of the functional groups such as alkanes, alkenes, aromatics, alcohols, and ethers.

PHYSICS 1 IB (SL First Year)

Credit: 1.0; Full Year; Grades 11 or 12

Note :*This is year one of the two year IB Physics sequence designed for IB diploma and IB certificate candidates. However, students are welcome to take this course without going on to the second year if they are interested in only one year of a challenging physics class.*

Prerequisites: Successful completion of two credits of core discipline science courses and completion of Algebra 2 with a “C” or better or currently enrolled in Algebra 2

Course Objectives: This course is designed to meet the needs of college bound students and will fulfill the IB full diploma science requirement. It is a course designed to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal with diverse physics topics and their applications in the dynamic, modern world. Topics studied include measurements and uncertainties, mechanics, thermal physics, waves, circular motion and gravitation, and energy production. Laboratory work is emphasized and requires structured labs, research papers and experimental projects. Instruction is student-centered with cooperative learning as well as teacher direction, thus offering the student a college-level physics experience. Only those students choosing to enroll in both years of IB Physics, will sit for the standard level exam, offered in the spring of the second year. An interdisciplinary group project helps students realize that all scientific disciplines share the common goal of understanding how the world works, and that scientists can work together on problems to discover solutions to a common goal. Students entering the program may be given a summer assignment, which will review basic mathematical skills and introduce concepts of analytical reasoning.

PHYSICS 2 IB (SL Second Year)

Credit: 1.0; Full Year; Grade 12

Note: This is year two of the two year Physics IB sequence designed for IB diploma and IB certificate candidates.

Prerequisites: Successful completion of Physics 1 IB.

Course Objectives : This course is designed to meet the needs of college bound students and will fulfill the IB full diploma science requirement. It is a course designed to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal with diverse physics topics and their modern world. Topics studied include atomic and nuclear physics, energy and power, and astrophysics. Laboratory work is emphasized and requires structured labs, research papers, and experimental projects. Instruction is student-centered with cooperative learning as well as teacher direction, thus offering the student a college-level physics experience. Only those students choosing to enroll in both years of IB Physics, will sit for the standard level exam, offered in the spring of the second year. An interdisciplinary group project helps students realize that all scientific disciplines share the common goal of understanding how the world works, and that scientists can work together on problems to discover solutions to a common goal. Students entering the program may be given a summer assignment, which will review basic mathematical skills and introduce concepts of analytical reasoning.

SEMESTER CHEMISTRY (A Core Discipline Science Course)

Credit: .5; One semester; Grades 10, 11, or 12

Prerequisite : None

Course Objective : The Semester Chemistry is an overview of some of the topics described in the Chemistry course as well as an introduction to laboratory design and experimentation. This course will emphasize conceptual understanding and an appreciation for chemistry.

SEMESTER PHYSICS (A Core Discipline Science Course)

Credit: .5; One Semester; Grades 10,11 or 12

Prerequisite : None

Course Objective : This semester physics class is intended to give a brief survey of the world around us from the physical standpoint. The semester physics class is an overview of the topics described in the yearlong physics class. This class will emphasize conceptual understanding and an appreciation for physical science.

SPORTS, EXERCISE AND HEALTH SCIENCE IB SL (formerly Sports Medicine)

Credit: 1.0; Full year; Grades 11 or 12

Prerequisite : Successful completion of two credits of core discipline science courses including Biology. This course cannot be used to meet the two credits of core discipline science courses.

Course Objectives : This year-long course in applied Anatomy and Physiology is directed towards students interested in careers in Health Science. Students interested in careers such as nursing, athletic training, physical therapy, orthopedic medicine, emergency care, and general health care will be benefited by this course.. This class covers functional anatomy and physiology, emergency procedures, skeletal-muscular injury evaluation, assessment and treatment, internal medicine, preventative taping and bracing techniques, special medical testing and treatment, athletic sport conditioning, nutrition, drugs and supplements, and much more. The students will be exposed to skeletal-muscular injury management, sport event emergency coverage and medical professional guest speakers. Students will also participate in anatomy dissections. This college prep course is challenging, but rewarding for its students. This college prep course is challenging, but rewarding for students.

VETERINARY SCIENCE

Credit: 2.0; Career & Technical and Science; Full year, double period; Grade 11 & 12

Materials Fee : \$15

Prerequisite : None

Course Objective : Veterinary Science will develop knowledge and skills pertaining to large animals (cattle, sheep, pigs) and small animals (cats and dogs) while exploring a variety of careers in veterinary medicine. We will learn proper animal handling, anatomy, diseases, nutrition, and reproduction along with the body systems of the animal. These systems include but are not limited to circulatory, respiratory, skeletal, nervous system, etc. We will listen to and spend time with doctors of veterinary medicine, veterinary technicians as well as nutrition specialists. Along with these units of instruction, we will develop our leadership skills and abilities through FFA.

Brave Adventures:

An Interdisciplinary Outdoor Experience

Brave Adventures: An Interdisciplinary Outdoor Experience Block is for any **junior** who desires to explore the Flathead Valley and surrounding Rocky Mountains through hands-on learning. Courses taught in the three period block will include Montana Ecology, IB Language and Literature 11: Nature and Society, and Outdoor Pursuits. Students will earn three credits for the course; one each in Science, English and Health and Physical Education. Students in this course will work alongside the community to develop partnerships that result in a shared commitment to stewardship and a greater appreciation for Montana's ecosystem. This course will provide an interdisciplinary experience that not only challenges students but also helps them obtain critical thinking skills through relevant learning experiences.

Brave Adventure outdoor possibilities may include:

- Fly Fishing
- Mountain Biking
- Orienteering
- XC Skiing
- Avalanche Training/Skiing
- Snowshoeing
- Rock Climbing
- Paddling Project
- Survival skills
- Backpacking

Attendance is required for all outdoor excursions. A fee of \$50.00 per student will be charged to offset a small portion of the adventuring costs. Scholarships will be available.

Course Descriptions:

IB LANGUAGE AND LITERATURE 11: NATURE & SOCIETY (HL) (Brave Adventures)

Credit: 1.0; Full year, grade 11

Materials Fee: Only students intending to seek the IB diploma or IB certificate(s) will have fees during their senior year.

Prerequisite: Completion of English 10.

Course Objectives: This course offers students who have an interest in nature and the outdoors the opportunity to engage the IB Language & Literature curriculum through the lens of literary and non-literary texts that uses the outdoors & nature as their subject. This course must be taken in conjunction with Montana Ecology (Science) and Outdoor Pursuits (Health & Physical Education).

IB Language and Literature is designed to meet the needs of students with a wide range of skill levels and prepare students for career ready and college-level reading, writing, and thinking skills. It is the first course in a two-year sequence. The course is designed to be a celebration of all kinds of communication, literary and non-literary texts, as well as a careful analysis of the wide variety of texts and media experienced every day—visual, oral, written, and electronic. It focuses on three key elements: (1) close reading of all kinds of texts, (2) the ways in which culture and context influence texts, and (3) how texts of all kinds are interconnected and related to each other. The emphasis will be on how the first two elements create meaning in a text, examining the roles of context, audience, and purpose (etc.) in cooperation with the impacts and effects of the author's choices. This course is designed for all students in their junior year of high school, and paired with IB Language & Literature 12, any student may test and potentially earn college credit through the International Baccalaureate Programme.

Montana Ecology (Brave Adventures)

Credit: 1.0; Full year; Grade 11

Prerequisite: Successful completion of two credits of core discipline science courses, including biology. This course cannot be used to meet the two credits of core discipline science course requirement.

Course Objective: This course must be taken in conjunction with IB Language and Literature11: Nature and Society (HL) (English) and Outdoor Pursuits (HPE) as a part of Brave Adventures

This course is part of the proposed Brave Adventure block which provides students with the opportunity to learn about, interact with, and value the natural world around them. We will focus on the ecology of Montana. Students will explore river and lake ecology, forest ecology, alpine ecology, wildlife biology and management, population ecology, and resource use. Additionally, students will explore these ecosystems through relevant project-based opportunities and REQUIRED field studies that would also incorporate lab design, data collection and processing.

Outdoor Pursuits (Brave Adventures)

Credit: 1; Full Year; Grade 11

Equipment and Fees: FHS PE Uniform \$18

Prerequisite: One credit of Physical Education.

Course Objectives: This course must be taken in conjunction with Montana Ecology (Science) and IB Language and Literature11: Nature and Society (HL) (English) as a part of Brave Adventures

The objective of this course is to provide students with the opportunity to learn different authentic outdoor activities. Participants will have the opportunity to experience instruction in selected adventure programming. This course will emphasize respect for the environment and will provide students alternative forms of physical activity and education. The following units MAY be included in this course but are not limited to: fishing, avalanche awareness, survival (including debris and snow shelters), orienteering skills, wilderness first aid, snow shoeing, archery, backpacking, outdoor cooking and fitness and weight training. Possible fall and spring expeditions may be offered with additional cost (ie. skiing trip, laser tag).

Social Science

20th CENTURY AMERICAN HISTORY

Credit: 1.0; Full year; Grade 11

Prerequisite: None

Course Objectives: This class is required of all juniors unless they are enrolled in IB History of the Americas or Basic 20th Century American History. This course begins with the events and conditions immediately preceding the Civil War. Civil War and Reconstruction form the framework for America's emergence into the 20th century. Students then explore the role of the United States on the world stage beginning with events leading to the Civil War and ending with America's role in the war on terrorism. Included in this course is a constant and continuous application of current events.

20th CENTURY AMERICAN HISTORY BASIC

Credit: 1.0; Full year; Grade 11

Prerequisite: Placement is based on recommendations of social science instructors and counselors with reference to assessment

data. The course is designed to meet the needs of students with learning disabilities and those who read at the novice level.

Course Objectives: This course begins with the events and conditions immediately preceding the Civil War. Civil War and Reconstruction forms the framework for America's emergence into the 20th century. Students then explore the role of the United States on the world stage beginning with events leading to the Civil War and ending with America's role in the war on terrorism. Included in this course is a constant and continuous application of current events.

20th CENTURY ISSUES IB (HL)

Credit: 1.0; Full Year; Grade 12

Materials Fees: Those students seeking full diploma or certificate status will have fees

Prerequisite: History of the Americas IB (HL) or department recommendation.

Course Objectives: This course is open to students who intend to go to college and specifically meets the IB full diploma requirement for Individuals and Society (Social Studies). This Higher Level course is the second year of the two-year International Baccalaureate curriculum. This year's curriculum includes an emphasis on the pre-WWII fascist nations. Students will be required to write a 2,200 word in-depth investigation of a significant historical topic for their internal assessment. Students in this class should have above average or college-capable reading skills. In addition to serving as the second year of the IB curriculum for higher-level Social Science, this course counts as a social science elective for graduation purposes. To earn the IB designation on higher-level courses, students must take the IB external assessments. This course fulfills one credit towards the Civics Distinction.

AGRICULTURE 4 AND ECONOMICS

Credit: 2.0, Full year; double periods; Grade 12

Credit: 1.5 Career & Technical and .5 Social Studies elective

Materials Fee: \$15

Prerequisite: Ag 3 or instructor's recommendation

Course Objectives: The Agriculture 4 curriculum is designed for students to develop interests and learn career skills related to the agriculture and natural resources industry. Subjects taught within the Ag 4 curriculum will include the following: Ag careers, precision agriculture, animal science, small engines, Ag business, economics, commodity marketing, and an annual senior project to better the Ag Education Center. Students will have the opportunity to continue development of their leadership skills and abilities through active participation in the FFA. This course fulfills .5 credit towards the Civics Distinction.

AMERICAN CULTURE

Credit: .5; One semester, Grades 10, 11, 12 (11th or 12th recommended)

Course Objectives: This course is a survey of American Culture in which a selection of American music, classic cinema, sporting events and early television are all possible topics of study. Emphasis is placed on the links between these cultural expressions and events of the 20th century. By the end of the course students will be able to examine how entertainment can reflect or alter historical settings. This course fulfills .5 credit towards the Civics Distinction.

AMERICAN GOVERNMENT

Credit: .5; One semester; Grade 12

Course Objectives: American Government is a process oriented study of our government. Primary emphasis is placed upon the legislative, executive, and judicial branches. The duties and responsibilities of citizenship are also emphasized. Current events, which are integral to recognizing and understanding political action, are included as a portion of the student's daily activities. The early bird version of American Government is accelerated and designed for the senior I.B. student.

AMERICAN GOVERNMENT BASIC

Credit: .5; One semester; Grade 12

Prerequisite: Placement is based on recommendations of social science instructors and counselors with reference to assessment data. The course is designed to meet the needs of students with learning disabilities and those who read at the novice level.

Course Objectives: American Government is a process-oriented study of our government; primary emphasis is placed upon the legislative, executive, and judicial branches. The duties and responsibilities of citizenship are also emphasized. Current events, which are integral to recognizing and understanding political action, are included as a portion of the student's daily activities.

CONTEMPORARY ISSUES: TERRORISM, WARFARE, AND HOPE

Credit: .5; One semester; Grades 10, 11, 12

Prerequisite: None

Course Objectives: Contemporary Issues will follow a simulation and discussion model to examine multiple perspectives on important topics of our time. By examining the evolution of international affairs including subjects like terrorism, warfare, and human rights, students will assess local and national approaches to a variety of issues facing society. Additionally, the class will participate in an engaging online global simulation in which the students build and run their own nation. In the simulation, they will practice the diplomatic, military, and economic skills that they have learned in class. Students will end the course with a rich understanding of the challenges facing their generation. This course fulfills .5 credit towards the Civics Distinction.

Debates in Modern Society

Credit: .5; One Semester; Grades 9, 10, 11, 12

Prerequisite: None

Course Description: This course is designed to introduce students to the exciting world of debate, including traditional Lincoln-Douglas Debate, Public Forum Debate, Policy Debate, and Legislative Debate. Through careful study of important modern issues and controversies coupled with the power and excitement of live debate, students will gain the knowledge and skills they need to make sense of the world around them.

ECONOMICS

Credit: .5; One semester; Grades 11, 12

Prerequisite: None

Course Objectives: Economics is designed to acquaint students with the major principles common to all economic systems and to teach sound concepts concerning personal finance, including savings, investments and credit management. The class emphasizes authentic, real-world application of concepts through the use of economic and investment simulations, games and interactive activities. This course fulfills .5 credit towards the Civics Distinction.

GLOBAL POLITICS IB (SL)

Credit: 1.0 Full Year; Grades 11, 12 **(This course satisfies the American Government requirement)**

Prerequisite: Placement based on recommendations from social science instructors and counselors with reference to class performance and ability. This course is designed to meet the needs of students with above average or college capable language skills.

Course Objectives: The Global Politics IB course helps students to understand abstract political concepts by grounding them in real world examples and case studies. The course also invites comparison between such examples and case studies to ensure a transnational perspective. Developing international mindedness and an awareness of multiple perspectives is at the heart of this course. It encourages dialogue and debate, nurturing the capacity to interpret competing and contestable claims. This course can count as an elective for the IB full diploma and/or as a social science elective for graduation purposes. When a student completes the full year, Global Politics satisfies their government requirement for graduation. This course fulfills one credit towards the Civics Distinction.

HISTORY OF THE AMERICAS IB (HL)

Credit: 1.0; Full year; Grade 11

Materials Fee: Only those students intending to seek the IB diploma or IB certificate/s will have fees.

Prerequisite: Western Civilization Honors or Department Recommendation

Course Objectives: This course is recommended for college-bound students and specifically meets the IB full diploma requirement for Individuals and Society (Social Studies). This Higher Level (HL) history course is the first year of the two-year International Baccalaureate curriculum. History of the Americas is a comparative course, which will integrate the histories of Canada, Latin America, and the United States from the 18th Century to the present, with a heavy emphasis on the past 100 years. This course is designed to promote an awareness and understanding of U.S. history and our interaction with the Western Hemisphere. Students in this class should have college-level reading and writing skills. In addition to serving as the first year of the IB curriculum for higher-level Social Science, this course counts for graduation purposes as one year of United States History.

PSYCHOLOGY

Credit : .5; One semester; Grades 11, 12

Credit : Social Science elective

Prerequisite: None

Course Objectives: Psychology is the study of human behavior and mental processes. This course will offer students an opportunity to learn more about themselves and others by studying the brain and biological aspects of behavior, how we think, and how interaction with others in society and cultures affects our behavior. This course fulfills .5 credit towards the Civics Distinction.

PSYCHOLOGY IB (SL)

Credit : 1.0; Full year; Grades 11, 12

Materials Fee: Only those students intending to seek the IB diploma or IB certificate/s will have fees.

Prerequisite: None

Course Objectives: This course is open to any student intending to go to college and specifically meets the IB full diploma elective requirement. The course is intended for students wishing to have a deeper study of psychology than the semester psychology course offers, and is offered at both the Standard Level (1 year) and Higher Level (2 year).

Psychology is defined as the systematic study of behavior and mental processes. The course will focus on the role of research and the different theoretical approaches to understand human behavior. Areas of study will include the compulsory perspectives: biological, cognitive and socio- cultural, the application option, health or abnormal psychology, and ethical research design and methodology. The knowledge, concepts, theories and research that have developed the understanding in these fields will be studied and critically evaluated to answer some of the questions being asked by psychologists today. Furthermore, the interaction of these approaches to studying psychology will form the basis of a holistic and integrated approach to understanding mental processes and behavior as a complex, dynamic phenomenon, allowing students to appreciate the diversity as well as the commonality between their own behavior and that of others. This course fulfills one credit towards the Civics Distinction.

PSYCHOLOGY IB (HL)

Credit : 1.0; Full year; Grade 12

Materials Fee: Only those students intending to seek the IB diploma or IB certificate(s) will have fees

Prerequisite: Psychology IB (SL)

Course Objectives: The HL course builds upon knowledge and skills gained in the first year SL course. This second year allows students to further their understanding of psychology by examining the role of qualitative, as well as quantitative research, in addition to extending study of the three perspectives introduced in year one. HL students will also study one additional area in the application options and have the opportunity to explore areas of individual interest.

SOCIOLOGY

Credit: .5; One Semester, Grades 11, 12

Prerequisite : None

Course Objectives : This Social Studies elective course investigates human society and how various groups operate within a social structure. The course will examine units such as Youth Cultures, Race and Ethnicity, Class Conflict and Inequalities, and Mass Media, Consumerism and Technology. Sociology will explore who we are, how we relate to others within our society, and how each of us is part of the human experience. By the end of the semester, students will better understand themselves and the society around them. The course will have a significant focus on self-reflection, group discussions, and projects to help students understand why our society is the way it is and how it is constantly evolving.

STREET LAW

Credit : .5; semester, Grades 10, 11, 12 (11th or 12th recommended)

Prerequisite: None

Course Objectives: Street Law provides students with knowledge and skills necessary for survival in a law-saturated society. Using case studies, mock trials, role-play activities, simulations, and courtroom observation, students learn how our court systems work, gain substantial knowledge of both civil and criminal law, and prepare themselves to be advocates for themselves and others in our legal and political systems. This course fulfills .5 credit towards the Civics Distinction.

WESTERN CIVILIZATION

Credit : 1.0; Full year; Grade 10

Prerequisite: None

Course Objectives: This class is required of all sophomores unless they are enrolled in Honors or Basic Western Civilization. Western Civilization will cover four critical historical topics; The Enlightenment, Periods of Change, Wars and Conflict, and Modern History.

WESTERN CIVILIZATION BASIC

Credit : 1.0; Full year; Grade 10

Prerequisite : Placement is based on recommendations of Language Arts instructors and counselors with reference to assessment data. The course is designed to meet the needs of students with learning disabilities and those who read at novice level.

Course Objectives: Western Civilization is required of all sophomores Western Civilization will cover four critical historical topics; The Enlightenment, Periods of Change, Wars and Conflict, and Modern History.

WESTERN CIVILIZATION HONORS

Credit : 1.0; Full year; Grade 10

Prerequisite : Placement is based on recommendations from Language Arts instructors and counselors with reference to class performance and ability. The course has been developed to meet the needs of students with above-average or college-capable language skills.

Course Objectives : This is an honors level class based on the same general themes as the Western Civilization course but with a higher demand for academic and intellectual rigor. More reading and writing at a higher academic level will be required.

This course is intended primarily for those students wishing for an academic challenge and for those who intend to pursue the IB History curriculum in grades 11 and 12. Western Civilization will cover four critical historical topics; The Enlightenment, Periods of Change, Wars and Conflict, and Modern History.