

# Flathead High School Registration Handbook



2026-2027

# Flathead High School



## Welcome to Flathead High School

As a comprehensive public high school in Kalispell, Montana, we strive to meet the needs of all students by offering a wide range of offerings to challenge students academically and prepare them for their next step after graduation. Students earn 22 credits during their four year journey in high school, completing both requirements and electives in a path unique to their aspirations and goals.

**644 4th Ave. West  
Kalispell, MT  
59901**

**(406) 751-3500**

**[flathead.sd5.k12.mt.us](http://flathead.sd5.k12.mt.us)**

## Registration Handbook

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.

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.



# Flathead High School



## 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

## 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 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!

## 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  
 2023-2024 Embrace the Journey  
 2024-2025 Distinctly Flathead, Forever Brave  
 2025-2026 Rise Up, Be Brave

**School Colors:**  
**Black and Orange**

**School Mascot:**  
**Flathead Brave  
 and Bravette**

**School Logo:**



# Flathead High School

<b>Section</b>	<b>Pages</b>
<b>High School Requirements</b>	<b>6-9</b>
<b>FHS Counseling Services</b>	<b>10</b>
<b>Montana University System</b>	<b>11</b>
<b>International Baccalaureate Programme</b>	<b>12-13</b>
<b>PACE Academy Charter School</b>	<b>14</b>
<b>Freshman Information</b>	<b>15-19</b>
<b>Course Offerings &amp; Descriptions</b>	<b>20-90</b>



# Flathead High School

## GENERAL INFORMATION

### Schedule Planning Guidelines

Students are required to enroll in six 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 seven early release. Seniors can use the seventh time slot for a study hall, academic solid, student aide position, period one late arrival or period seven early release. Other class load arrangements must be made in consultation with a school counselor, parent, and approval of the administration. Both juniors and seniors in good standing may elect to take Independent Learning Time (ILT), where they have the flexibility to be in common areas of the school.

### 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 circumstances where minimum enrollment is not met or the school makes budget cuts and staffing reductions.

If a course is canceled, the student may sign up for an alternative course, or a course 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.



# Flathead High School Diploma Requirements

Subject	Credits
<b>English</b> English 9 English 10 English 11 IB (or Composition/Literature) English 12 IB (or Literature/English Elective)	4.0
<b>Social Science</b> Grade 10: Western Civilization Grade 11: 20 <sup>th</sup> Century American History Grade 12: American Government (.5 credit)	2.5
<b>Math</b> Grade 9 Grade 10 Grade 11	3.0 (and 3 years)
<b>Science</b> Grade 9: Biology Grade 10: Earth Science or Chemistry	2.0
<b>International Languages</b>	0
<b>Fine Arts</b> (Art, Music, Theater)	1.0
<b>Health/Physical Education</b> Health (.5 credit) PE (1.0 credit)	1.5
<b>Career &amp; Technical Education</b> (Vocational/Business)	1.0
<b>College &amp; Career Readiness (CCR)</b>	.5
<b>Personal Finance</b>	.5
<b>General Electives</b>	6.0
<b>Total</b>	<b>22.0</b>



## 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 enters the 9th grade for the first time. Kalispell Public School District sets a 22 credit High School Graduation Requirement.

## 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 DISTINCTIONS

Curriculum Area	Merit Distinction	Career Field Distinction	Fine Arts Distinction	Health Science Distinction	Engineering Distinction	International Language Distinction	Civics Distinction	Ag Distinction	Military Distinctions
	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	Red, White & Blue
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 or IB Bio	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	Orange & Black Twist	4.0 Cumulative GPA less than 8 semesters at FHS
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 <b>See school counselor for additional requirement details.</b>
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, DECA, FFA, FCCLA, HOSA, or SkillsUSA. <b>See department leader for additional requirement details.</b>
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 Theater-3 credits of theater classes, maintain a 3.2 GPA, and earn at least 2 theater letters Visual Arts-4 credits of visual arts classes, maintain a 3.2 GPA, submit a portfolio, and present a public exhibition. <b>See department leader for additional requirement details.</b>
Health Science Distinction	Teal	3 credits of Biomedical science courses, 4 credits of science including Organic Chem or IB Bio, maintain a 3.2 GPA, participate in HOSA, Science Club, or complete a health internship. <b>See department leader for additional requirement details.</b>
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, BPA, DECA or Science Club or an engineering internship. <b>See department leader for additional requirement details.</b>
International Language Distinction	Light Blue	4 credits of an international focus, participate in an International Language or focus club, maintain a 3.2 GPA. <b>See department leader for additional requirements.</b>
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. <b>See department leader for additional requirements.</b>
Agriculture Distinction	Burgundy	4 years of Agricultural Education coursework, perform community service, and complete a Supervised Agriculture Experience. <b>See department leader for additional requirements.</b>

## COUNSELING OFFICE

The Guidance Office Manager is available to make appointments for students and to provide information. The department assists in standardized 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 8-3:30 P.M. The office is closed Monday's 9 - 11 A.M. Parents and/or students wishing to contact a school counselor to assist in the registration process may schedule an appointment by calling 751-3500 x 3467.

## 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 x 3661, or simply stop in.



## 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 the 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, American Culture and Introduction to Public Speaking are semester electives that will fulfill the remaining .5 credit.

**Two years of laboratory science.**

**Two years of International language** (preferably two consecutive years), visual and performing arts, or career and technical education units that meet the Office of Public Instruction guidelines

MONTANA UNIVERSITY SYSTEM GRADUATION REQUIREMENTS	
<b>MSU-Bozeman and MSU-Billings</b> 2.5 GPA on a 4.0 scale OR rank in top ½ of graduating class AND complete required college prep courses	<b>UM-Missoula and Montana Tech of the University of Montana</b> 2.5 GPA on a 4.0 scale OR rank in top ½ of graduating class AND complete required college prep courses
<b>MSU-Northern</b> 2.5 GPA on a 4.0 scale OR rank in top ½ of graduating class AND complete required college prep courses	<b>UM-Western Montana College</b> 2.5 GPA on a 4.0 scale OR rank in top ½ of graduating class AND complete required college prep courses
<b>Montana Community Colleges:</b> Dawson, Flathead, Miles, high school transcript or HiSET certification college placement scores (Compass, Asset or ACT scores for general placement)	<b>Montana Colleges of Technology:</b> 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: These standards 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.

## 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



Through comprehensive curricula and 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 our shared humanity.

## Diploma Programme

The IB Diploma Programme is a comprehensive two-year rigorous 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 whether students go to college or into a career. 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, take individual IB courses for IB Certificates, or take IB courses only for credit towards graduation requirements.

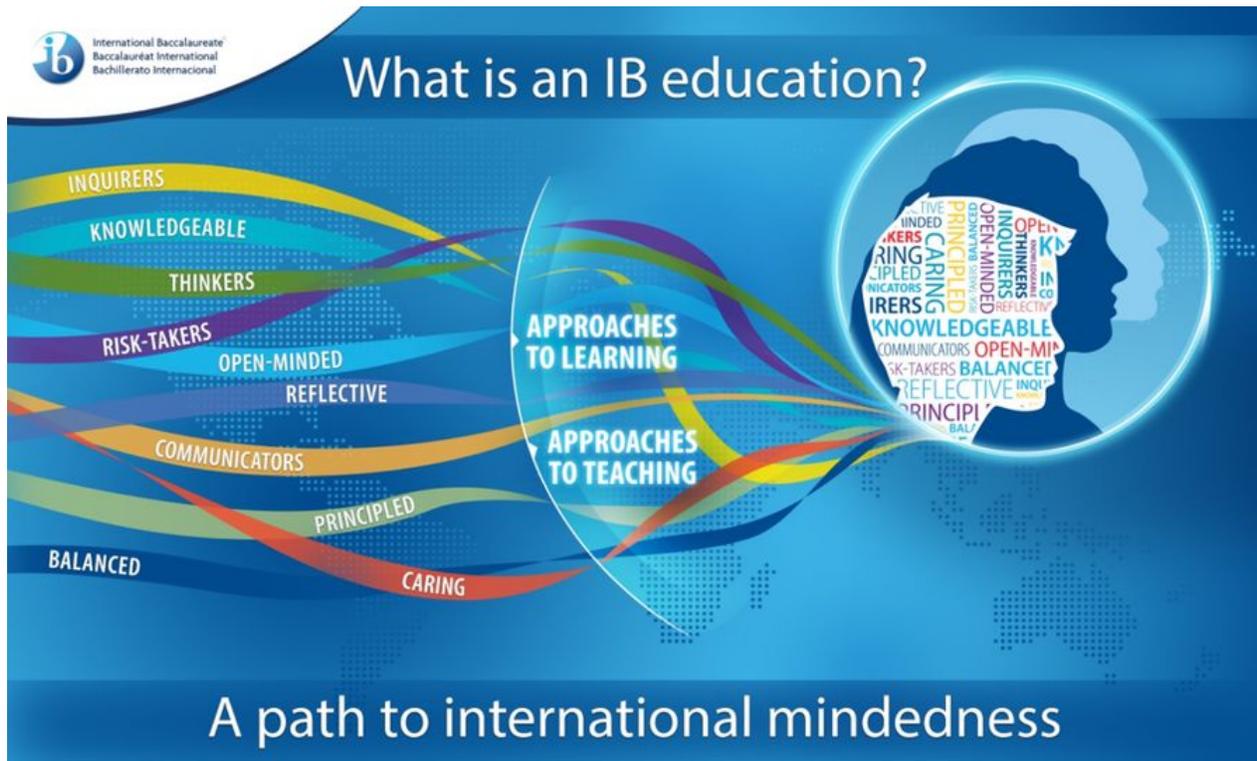
1. **Individual IB Certificates:** Students select individual IB classes to take during the junior and senior years. We encourage all students to take IB courses as excellent preparation for success in college and career. Students may choose any number of IB classes to take, depending on their interests. 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 x 3478, or e-mail: fhsib@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.



Students grades 10, 11, and 12, have the option to take two or more classes through the PACE Academy Charter School. A school-within-a-school model, students remain enrolled at Flathead High School and retain all rights and privileges of a Flathead High School student. PACE core courses run periods 2-4. They are a blend of in-person instruction and independent & project-based learning. Students have the ability to progress in a course at their own pace. Students can enroll in up to two core courses per period; however, those courses will not meet in-person every day. Attendance during in-person instruction is vital for success. Wednesdays are "focus days" and are used for one-on-one conferencing, small group instruction, and independent work time. Students who are on pace or faster have optional attendance on Wednesdays. Additional PACE electives and career exploration courses follow a traditional schedule, and these options that may or may not be self paced.

## Core Philosophy

Increased flexibility in core classes that provide students the opportunity to explore other options within Flathead High School (elective courses, IB), the community (Running Start, employment, Internships), and/or early graduation.

### Profile of a PACE student

- Ability to work independently
- Self advocate
- Can monitor his or her own progress and maintain deadlines
- Sets goals and aspirations that fulfill flexible pathways

### Student Testimonials

- "PACE is such a great idea for students that want flexibility and opportunities!"
- "The PACE Academy has allowed me to personalize my education in a way I didn't believe was possible."
- "I have found academic freedom to pursue extracurricular activities."
- "PACE has helped me find my own independence as well as self motivation."



## PACE Academy

Personalized Academic and Career Exploration

*A Public Charter School for students grades 10, 11, and 12*



### Registration starts Feb 11!

#### PACE Core Course Offerings

- American Government
- American History
- Algebra 2
- Chemistry
- Earth Science
- English 10
- English 11 IB Language & Lit
- English 12 IB Language & Lit
- Geometry
- Personal Finance
- Western Civilization

#### PACE Elective Course Offerings

- Advanced Investing
- Accounting 1, 2, 3
- Build Montana
- Housing Construction
- SPL Algebra 1, Geometry, Algebra 2
- School Based Enterprise
- Scientific Inquiry
- Work Based Learning Internships

**Students must register for at least two PACE Courses**



# **FHS COURSE SELECTIONS**

**GRADES 9, 10, 11, 12**

**2026-2027**



## 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

## ART

Art Survey  
Art IB Visual Art (SL) or (HL)  
Ceramics 1  
Drawing 1  
Drawing 2  
Digital Photography and Film Graphic Design 1  
Graphic Design 2  
Jewelry and Metals 1  
Jewelry and Metals 2  
Painting 1  
Painting 2  
Printmaking  
Sculpture 1  
Ceramics/Sculpture 2  
Independent Study Visual Art  
Advanced Art and Portfolio  
Development (FVCC ARTZ 212)

## BRAVE ADVENTURES

IB Language and Literature 11: Sports and Culture (HL)  
Montana Wildlife and Ecology  
Outdoor Pursuits

## BUSINESS

Accounting 1  
Accounting 2  
Accounting 3  
Advanced Investing  
Business & Management IB (SL and/or HL)  
Business Essentials  
College & Career Readiness (CCR)  
Cyber Security (UM ITS 191)  
Interactive Digital Media  
Introduction to Computer Science  
Interactive Digital Media  
Marketing 1  
Social Media Marketing  
Sports and Entertainment Marketing  
Personal Finance  
Robotics and Physical Computing 1-4  
School Based Enterprise 1-3  
(SBE-Southside Coffee)  
Foundations of Leadership 1  
Foundations of Leadership 2

## AGRICULTURAL EDUCATION

Agricultural 1-English 9, Biology  
Agricultural 2-English 10, Western Civ.  
Agricultural 3-US History  
Agricultural 4 and Economics  
Natural Resources of Montana  
Ag Welding 1 (Beginning Welding)  
Ag Welding 2 (Intermediate Welding)  
Ag Welding 3 (Advanced Welding)  
(FVCC WELDING 185)  
Forest Fire Management & Environmental Change (FVCC FORS 211)  
Veterinary Science

## ARCHITECTURE/COMPUTER AIDED DESIGN

Braves Makers:Computer Asst.Design 1  
Braves Makers:Computer Asst.Design 2  
(FVCC DDSN 114 & 135)  
Braves Makers:Computer Asst.Design 3  
Braves Makers:Computer Asst.Design 4

## CONSTRUCTION SKILLS

Housing Construction 1 & 2  
Intro to Building Trades  
Woods 1  
Woods 2  
Woods 3  
Woods 4  
Build Montana

## 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 (FVCC AHMS 144)

## METALS & MANUFACTURING

Brave Makers: Introduction to Metals  
Brave Makers: Advanced Metals

## AUTOMOTIVE

Automotive 1  
Automotive 2  
Automotive 3  
Automotive 4

## FAMILY AND CONSUMER SCIENCES

Culinary Arts1  
Culinary Arts 2  
Culinary Arts 3: ProStart  
Culinary Arts 4: ProStart  
FCS Community Impact Lab  
Early Childhood Education (FVCC EDEC 108)  
Individual and Family Development  
(MSU HDFS 101)  
Housing & Interior Design  
Design 2  
Design 3  
Textile Design  
Fashion, Merchandising and Apparel  
Travel and Tourism

## ENGLISH LANGUAGE ARTS

English 9, Agriculture 1, Biology  
English 9  
English 9 Honors  
English 10 Communications & Literature  
English 10/ Agriculture 2  
English 10 Honors  
IB Language & Literature 11 (All Versions)  
IB Literature 11  
IB Language & Literature 12 (All Versions)  
IB Literature 12  
Composition  
College Writing (FVCC WRIT 101)  
Lit: Science Fiction and Fantasy Literature  
Lit: Poetry  
Lit: Advanced Poetry  
Lit: Theatre as Literature  
Lit: Montana & Native American Literature  
Lit: Mythology  
Lit: American Literature  
Publications: Yearbook & Journalism  
Theater: Acting 1 IB  
Theater: Acting 2 IB  
Theater: Acting 3 IB  
Theater: Acting 4 IB  
Theater: Technical Theatre 1  
Theater: Technical Theatre 2  
Theater: Technical Theatre 3  
College Theatrical Design (FVCC THTR 102)  
Speech Workshop  
Learn and Serve  
Creative Writing  
Reading Intervention  
Success in Reading

## HEALTH ENHANCEMENT

Agility & Strength  
Black and Orange CrossFit  
Health  
Outdoor Pursuits (Braves Adventures)  
Physical Education - Athletic Foundations  
Physical Education - Intro to Fitness  
Strength & Conditioning

## INTERNATIONAL BACCALAUREATE

20th Century Issues (HL)  
Acting 1: Process, Practice, & Philosophy IB  
Acting 2 Process and Performance IB  
Acting 3 Directing and Design IB  
Acting 4 Advanced Acting IB  
Math: Analysis and Approaches IB (HL)  
Math: Applications and Interpretation IB (SL)  
Art IB Visual Art (SL or HL)  
Biology 1 IB (HL)  
Business & Management IB (SL or HL)  
IB Literature 11 (HL)  
IB Language and Literature 11 (HL)  
IB Literature 12 (HL)  
IB Language and Literature 12 (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)  
IB Music (HL)  
Physics 1 IB (SL)  
Physics 2 IB (SL)  
Psychology IB (SL or HL)  
Spanish 2, 3, 4 IB (SL)  
Sports, Exercise, & Health IB (SL)  
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  
Spanish for the Workplace

## MATHEMATICS

Algebra 1  
Algebra 2  
IB Applications and Interpretation (SL)  
Applied Geometry  
IB Analysis and Approaches 1 (HL)  
IB Analysis and Approaches 2 (HL)  
Consumer Mathematics  
Geometry  
Pre Algebra  
Pre-IB Algebra 2  
Linear Math and Probability (FVCC M115)  
Introduction to Statistics (FVCC STAT216)  
Trades Math

## MUSIC

Aeolian Choir  
Beginning Band  
Braves Band  
Chamber Orchestra  
Choral-Aires  
Concert Band  
Concert Choir  
Concert Orchestra  
Dorian Choir  
Flathead Singers  
Folk Band  
Beginning Guitar  
IB Music - (HL)  
Music Theory and Harmony  
Percussion  
Symphonic Band  
Symphonic Orchestra

## SCIENCE

Astronomy  
Biology  
Biology 1 IB (HL)  
Biology 2 IB (HL)  
Chemistry Year  
Earth Science  
Earth Science Honors  
Environmental Systems & Societies 1 IB (SL)  
Environmental Systems & Societies 2 IB (SL)  
Forensics  
Geology  
Introduction to Biotechnology (FVCC BIOB 105)  
Montana Wildlife and Ecology (Brave Adventures)  
Organic Chemistry  
Physics 1 IB (SL)  
Physics 2 IB (SL)  
Semester Chemistry  
Semester Physics  
Scientific Inquiry  
Sports, Exercise and Health Science IB (SL)

## SOCIAL SCIENCE

20th Century American History  
20th Century Issues IB (HL)  
Agriculture 4 and Economics  
American Culture  
American Government  
Contemporary Issues: Terrorism, Warfare, Hope  
Introduction to Public Speaking  
(FVCC COMX 111)  
Economics  
Global Politics IB (SL)  
History of the Americas IB (HL)  
Psychology  
Psychology IB (SL)  
Psychology IB (HL)  
Sociology  
Street Law  
Western Civilization  
Western Civilization Honors

## 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 and english will be taken for the full year. Health and C.C.R. will be taken one semester. The classes will be taught in a four 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.

**Class  
of  
2030** **F**  
Braves



## **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.

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

## **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, mental health, 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.

## **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. 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. ALL Pre Algebra sections are SPL and utilize ALKES as a digital curriculum.



## **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.



## **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, 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 gain an understanding of 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 VISUAL ART\* (SL) (HL)**

Credit: 1.0; Full year; Grades 11,12

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

IB Visual Arts assessment requirements focus on student inquiry, contextual understanding, and curation, with three digital submission tasks: an Art-Making Inquiry Portfolio (40%), a Comparative Study (20%), and an Exhibition (curated resolved artworks with a rationale (40%))

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.**

This program meets the IB full diploma requirement for IB Art (SL or HL). Students make art driven by questions and critical thinking. Students will dive deep into cultural, historical and social influences in art to make decisions about their own art focus. They will make clear links between process and product and have a strong emphasis on justifying artistic choices and research within their digital submission. Students will produce an extensive written Comparative Study which analyzes 3 famous art works, a Process Portfolio which exhibits investigative and visual research with reflective writing about art practice and experimentation, and a portfolio of resolved artworks which will be exhibited to the public. Students will use Google Classroom to document their artwork and the processes they learned to create their original artworks in class. In addition to art production, students will gain an understanding of Art History, Art Criticism and Aesthetics as they relate to Visual Art. There are clearer distinctions between SL/HL (HL students get more autonomy, more art forms).

***\*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**

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 gain an understanding of Art History, Art Criticism and Aesthetics as they relate to 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 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 gain an understanding of 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 with students expected to bring Drawing 1 concepts and skills to a more advanced proficiency of drawing skills and ideas. Students will demonstrate advanced skill and idea concepts through project assignments focusing on the elements and principles of art in advanced areas of composition. Exploration of various drawing media including scratchboard, graphite, pastels, watercolor and drawing from a live model. 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 gain an understanding of 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: Students in this course will learn the fundamentals of Digital Photography and Film Production, including techniques and aesthetics of shooting, lighting, and editing. Hands-on production experience using Digital Photography and Film is emphasized throughout the course. 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 gain an understanding of Art History, Art Criticism and Aesthetics as they relate to Photography and Film Sketchbooks are used to develop artistic concepts in class.

## **GRAPHIC DESIGN 1**

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

Materials Fee: \$20

Prerequisite: Art Survey

Course objectives: Students will learn design process and vocabulary used in 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 gain an understanding of Art History, Art Criticism and Aesthetics as they relate to Graphic Design. Sketchbooks are used to develop artistic concepts in class.

## **GRAPHIC DESIGN 2**

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

Materials Fee: \$20

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

Course Objectives: 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 gain an understanding of Art History, Art Criticism and Aesthetics as they relate to Graphic Design. Sketchbooks are used to develop artistic concepts in class.



## **JEWELRY AND METALS 1**

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 glass beads and 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 gain an understanding of Art History, Art Criticism and Aesthetics as they relate to Jewelry Design. Sketchbooks are used to develop artistic concepts in class.

## **JEWELRY AND METALS 2**

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

Materials Fee: \$20

Prerequisite: Art Survey **AND** Jewelry and Metals 1

Course Objectives: Jewelry and Metals 2 is an advanced high school course designed for students who wish to build on foundational jewelry skills by exploring advanced metalsmithing techniques, including advanced soldering, stone setting, texturing, and casting. Students will design and create original, self-directed pieces while developing stronger craftsmanship, problem-solving skills, and personal artistic expression through hands-on practice and critique.

## **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 gain an understanding of Art History, Art Criticism and Aesthetics as they relate to Painting. . Sketchbooks are used to develop artistic concepts in class.

## **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 gain an understanding of Art History, Art Criticism, and Aesthetics as they relate to Painting. Sketchbooks are used to develop artistic concepts in class.

## **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 gain an understanding of Art History, Art Criticism, and Aesthetics as they relate to Printmaking 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 gain an understanding of Art History, Art Criticism and Aesthetics as they relate to Sculpture. There will be sketchbook assignments as proficient drawing skills are essential for success.

## **CERAMICS/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 gain an understanding of 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.

## **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 requirements will result in the student being exited from the Independent Study and the student will receive an F grade.

## **ADVANCED ART AND PORTFOLIO DEVELOPMENT(FVCC ARTZ 212)**

Credit: .5; semester; Grade 11,12

Materials Fee: \$20

Prerequisite: Art Survey **AND** Drawing 1, 2, **or** Painting 1, 2 **or** Graphic Design 1,2

Course Objectives: Advanced Art and Portfolio Development is an advanced, college level high school course that receives college credit from FVCC. This course follows an FVCC format in developing a student's art style and building a portfolio for college entrance or establishing a career path. This course is aimed at students with varying degrees of ability who have successfully completed a beginning drawing program and wish to pursue drawing beyond the basic level. Exercises involving a broader variety of media, their application, and effects will be given emphasis. A portraiture component is included. Class problems and assignments will have enough flexibility to meet the individual needs of all students. The major aim of this course is to encourage the development of each student's unique approach to drawing - a personal style.



## 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 Wildlife and Ecology, IB Language and Literature: Sports and Culture 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** (paid in Montana Wildlife and Ecology) will be charged to offset a small portion of the adventuring costs. Scholarships will be available.



## Course Descriptions:

### **IB LANGUAGE AND LITERATURE 11: SPORTS AND CULTURE (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 WILDLIFE AND ECOLOGY (BRAVE ADVENTURES)**

Credit: 1.0; Full year; Grade 11

Course Fee: \$50

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: Montana Ecology is part of the 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.

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.

### **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 Literature 11: 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).



## **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.

## **ADVANCED INVESTING**

Credit: .5; One Semester; Grade(s): 10, 11 and 12

Prerequisite: C or better in Personal Finance

Course Objective: In the Advanced Investing course, students will learn about different investment strategies and how financial markets work. The class will cover important topics like stock and bond analysis, portfolio management, and alternative investments. Through hands-on activities such as simulations, case studies, and projects, students will create their own investment portfolios and develop their own strategies. By the end of the course, students will have the skills and knowledge to make smart investment decisions, setting a strong foundation for their financial future.

## **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.



## **C.C.R. COLLEGE CAREER READINESS**

Credit: 0.5; 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.

## **INTRODUCTION TO COMPUTER SCIENCE**

Credit: 1.0; Full Year, Grades 9-12

Prerequisite: Algebra 1 or currently enrolled in Algebra 1

Course Objectives: Introduction to Computer Science is a one-year course that introduces you to the foundations of modern computing. The course covers a broad range of foundational topics such as how computers work, website design, artificial intelligence, programming in JavaScript, foundational computer science constructs and app design. Semester 1 will focus on topics that involve very little coding knowledge. Semester 2 will focus more on using JavaScript to learn fundamental programming structures.

## **CYBERSECURITY (UM ITS 191)**

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

Prerequisite: ICS; 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.

## **BUSINESS ESSENTIALS**

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.



## **INTERACTIVE DIGITAL MEDIA**

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.

## **SOCIAL MEDIA MARKETING**

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

Prerequisite: Marketing 1 and/or Business Essentials

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.

## **SPORTS AND ENTERTAINMENT MARKETING**

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

Prerequisite: Marketing 1 or Business Essentials

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.



## **ROBOTICS AND PHYSICAL COMPUTING 1-4**

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

Prerequisite: ICS; 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 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



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 production 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, BIOLOGY**

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

Materials Fee: \$25

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 Next Generation Science Standards.

## **AGRICULTURE 2 - ENGLISH 10, WESTERN CIV**

Credit: 1.0 Career & Technical and 1.0 English Grade 10

Materials Fee: Yes, for Agriculture 2: \$25

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 - US HISTORY**

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

Materials Fee: \$25

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 : \$25

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

Location: Agricultural Education Center

Materials Fee : \$25

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 WELDING 1 (BEGINNING WELDING)**

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

Prerequisite: None

Materials Fee: \$25

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: \$25

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: \$25

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.

## **FOREST FIRE MANAGEMENT AND ENVIRONMENTAL CHANGE (FVCC FORS 230)**

Credit: Grades 11 and 12.

Prerequisite:

Materials Fee:

Location: Ag Education Center

Course Objectives: The class will discuss the impacts of fire management historically and today and fire's impact on environmental change in the forest ecosystem. The course will look at how the fire danger system developed and is used nationally as well as the control system from local to national levels. Students will also learn about the fuels classification and mapping system. The course will examine how fire operates over an ecosystem and over time and what factors influence fire. The students will learn about fire regimes, fire management issues, fire suppression methods, as well as how fire ecology can be applied to restoration.

## **VETERINARY SCIENCE**

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

Materials Fee : \$25

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 MAKERS - COMPUTER ASSISTED DESIGN 1**

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

Prerequisite: None

Course Objectives: This course is designed to introduce students to the concepts of drafting, computer assisted design, and creating objects using multiple technologies. Students will learn technical drawing skills before transitioning into learning computer based drawing and 3D modeling. We will explore the fundamentals of computer design using Aspire, AutoCAD, Revit, and SolidWorks. Students will learn to operate 3D printers, Laser cutters, and CNC routers to create objects they have designed in these software packages.

## **BRAVE MAKERS - COMPUTER ASSISTED DESIGN 2**

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

Prerequisite: Brave Makers 1-Digital Design and Drafting

Course Objectives: This course is designed to give students a broader knowledge of computer design while emphasizing problem solving and real world applications. Through project based learning students will develop a deeper understanding of the operation of SolidWorks, AutoCad, and Revit. Students will continue to explore the use of 3D printers, laser cutters, and other CNC technology to create designs developed in the digital environment.

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

## **BRAVE MAKERS - COMPUTER ASSISTED DESIGN 2**

Credit: .5; Semester; Grades 11, 12

Prerequisite: Brave Makers- Computer Assisted Design 1

Course Objectives: This course is designed to further student understanding of software and processes explored in CAD 1 & 2. Projects in this course will be guided by student choice, so that students can begin to focus on the software most relevant to their educational goals. Project proposals in this course should focus on practical applications of computer assisted design and preparation for post-secondary education or employment opportunities. Dual Enrollment: In this course you will have the opportunity to earn dual enrollment credits through FVCC. The two courses are DDSN 114 AutoCAD (Fall) and DDSN 135 SOLIDWORKS (Spring). These are 3 college credits each.

## **BRAVE MAKERS - COMPUTER ASSISTED DESIGN 4**

Credit: .5; Semester; Grades, 12

Prerequisite: Brave Makers- Computer Assisted Design 3

Course Objectives: This course will emphasize individual study and continue student led project based learning with real world applications of computer assisted design. Students will have the choice to focus on a single software package or a combination of multiple software packages. A portfolio and professional resume will be required to prepare students for post-secondary education or employment opportunities.



## 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.

## 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: 0.5; One semester; Grades 9, 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: 0.5; One semester; Grades 10, 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 FHS.



## **WOODS 4**

Credit: 0.5; One semester; Grades 10, 11, 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.

## **BUILD MONTANA**

Credits: 1.0; Spring Semester; block course periods 6 and 7; grades 11 and 12

Material Fee: None; work boots, clothing, and personal protective equipment provided

Prerequisites: None

Course Objective: The Build Montana curriculum is designed to introduce students to the world of commercial construction. The course will provide experiences using heavy equipment, highway construction, vertical construction, basic concrete knowledge and more. Students will work with equipment dealers and complete coursework through John Deere University and learn basic mechanic skills used on construction equipment. Students will work with vertical construction companies and get an introduction to skills used to build vertical buildings such as hospitals, hotels, gas stations, museums, etc.. Students will have ample opportunities to network with professionals in these industries for potential employment.



## **BRAVE MAKERS INTRODUCTION TO METALS**

Credit: .5; one semester; 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.

## **BRAVE MAKERS ADVANCED METALS**

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

Prerequisite: Intro to Metal

Materials Fee: \$15 Location: FHS

Course Objectives: This course allows students to have a broader and deeper understanding of design and metal processes. Students will learn to create 2D computer drawings, 3D models, and 3D prints of the metal projects. We will explore forging, casting, plasma cutting, and welding with the designs that we create in a digital environment.



## **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: This class is the anatomy and physiology class in the Biomedical Science Program. The course covers most body systems while exploring relevant careers associated while teaching valuable skills necessary in the health field. There are multiple animal organ dissections included in this course to use as a model for learning. Much of the learning is project based and hands-on as students learn about their own body through lab and projects.

## **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 (FVCC AHMS 144)**

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.



## **AUTOMOTIVE 1: ENGINES**

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

Materials Fee: \$20

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: \$20

Prerequisite: Automotive 1

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: \$40

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 SkillsUSA competition.

## **AUTOMOTIVE 4: ADVANCED AUTOMOTIVE TECHNOLOGY**

Credits: 2.0; yearlong, double period; Grade 12

Materials Fee: 1 time fee per year, paid in Auto 3

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 SkillsUSA competition.



## **CULINARY ARTS 1**

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

Materials Fee: \$20

Prerequisite: 9,10, 11, 12

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 “adulting”! 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: \$20

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**

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**

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.



## **FCS COMMUNITY IMPACT LAB**

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

Prerequisite: None

Materials Fee: \$20

Course Objective: This course serves as the entry point to the Human Services Pathway, leading to Lifespan Development (dual credit with MSU) and Early Childhood(dual credit with FVCC). It is a great option for students who enjoy working with others, want to help people, and are interested in creating a positive impact at Flathead High School. Students have opportunities to connect with school personnel and community organizations through guest speakers, virtual or guided visits, and career exploration activities.

## **EARLY CHILDHOOD (FVCC EDEC 108)**

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

Prerequisite: None

Materials Fee: \$20

Course Objectives: This course introduces students to the field of early childhood, including child development, early learning environments, play-based learning, curriculum, program philosophies, and the unique needs of children ages birth through eight. Students explore professionalism, mandatory reporting, developmentally appropriate practice, the NAEYC Code of Ethics, and Montana Early Learning Standards. This course is offered in partnership with **Flathead Valley Community College** and follows the syllabus and expectations of **EDEC 108: Introduction to Early Childhood**.

## **INDIVIDUAL AND FAMILY DEVELOPMENT-LIFESPAN (MSU HDFS 101)**

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

Prerequisite: None

Materials Fee: \$20

Course Objective: Students explore human growth and development from prenatal life through late adulthood with an emphasis on physical, cognitive, emotional, and social development across the lifespan. Students apply major developmental theories, analyze real case studies, interpret research, and evaluate how families, environments, culture, and life experiences shape development. This course is offered in partnership with **Montana State University** and follows the curriculum of **HDFS 101: Individual & Family Development – Lifespan**, allowing students to earn **3 MSU concurrent enrollment credits**.

## **HOUSING AND INTERIOR DESIGN**

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

Materials Fee: \$20

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.



## **FASHION MERCHANDISING & APPAREL**

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

Prerequisite: None

Materials Fee: \$20

Course Objective: Students learn basic apparel construction skills, create simple garments or accessories, and see how design choices influence the final product. Students learn the business side of fashion by exploring careers such as stylist, buyer, visual merchandiser, fashion marketer, retail manager, trend forecaster, product developer, and more.

## **DESIGN 2**

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

Materials Fee : \$20

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 : \$20

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.

## **TEXTILE DESIGN**

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

Fee: \$20

Prerequisite: None

Course Objectives: In this level of Textile Apparel Design and Fashion the students learn the knowledge, foundational skills, and practices required for careers in the Textile Apparel Design and Fashion Merchandising industries. This course focuses on the development of textile products, their distribution, and their use in terms of psychological, social, economic, and physical needs of the consumer. Instruction includes analyzing, planning, foundational designing, fashion, and evaluating work, leisure, and professional textiles to meet user needs.

## **TRAVEL AND TOURISM**

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

Materials Fee : \$20

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.



## COURSE OFFERINGS, 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 on Gates Reading Test

		9	10	11	12	Length	IB	Recommended Challenge Level	Fulfills 11/12 Comp	Fulfills 11/12 Lit Elective	Fulfills 11/12 English Elective
<b>Integrated 9-12</b>											
English 9 / Agriculture 1 / Biology		•				year		1 2 3			
English 9		•				year		1 2 3			
English 9 Honors		•				year		3 4			
English 10 / Agriculture 2			•			year		1 2 3			
English 10 Communications & Literature			•			year		1 2 3			
English 10 Honors			•			year		3 4			
IB Language & Literature 11 (All Versions)				•		year	HL	2 3 4	•	•	
IB Literature 11				•		year	HL	3 4	•	•	
IB Language & Literature 12 (All Versions)					•	year	HL	2 3 4		•	•
IB Literature 12					•	year	HL	3 4		•	•
<b>Composition, Literature Electives 11-12, English Electives 9-12</b>											
Composition				•		sem		1 2	•		
College Writing (FVCC: WRIT 101)					•	sem		3 4		•	•
LIT ELECTIVES	Science Fiction & Fantasy Lit			•	•	sem		1 2 3		•	•
	Poetry			•	•	sem		1 2 3		•	•
	Advanced Poetry			•	•	sem		2 3 4		•	•
	Theatre as Literature			•	•	sem		2 3 4		•	•
	Montana & Native American Lit			•	•	sem		1 2 3		•	•
	Mythology			•	•	sem		1 2 3		•	•
	American Literature			•	•	sem		1 2 3		•	•
ENGLISH ELECTIVES	Publications: Yearbook & Journalism		•	•	•	sem		2 3 4			•
	Theatre: Acting 1 IB	•	•	•	•	sem	SL/HL	2 3			•
	Theatre: Acting 2 IB	•	•	•	•	sem	SL/HL	2 3			•
	Theatre: Acting 3 IB		•	•	•	sem	SL/HL	2 3			•
	Theatre: Acting 4 IB		•	•	•	sem	SL/HL	2 3			•
	Speech Workshop	•	•	•	•	sem		2 3			•
	Learn & Serve			•	•	sem		2 3			•
	Creative Writing		•	•	•	sem		2 3			•
	Technical Theatre 1	•	•	•	•	sem		2 3			
	Technical Theatre 2	•	•	•	•	sem		2 3			
	Technical Theatre 3		•	•	•	sem		2 3			
College Theatrical Design (FVCC: THTR 102)		•	•	•	sem		2 3				
Reading Intervention	•	•	•	•	sem		1				
Success in Reading	•	•	•	•	sem		1 2				



## 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 <b>OR</b> English 9 <b>OR</b> English 9 Honors	English 10 Communications & Literature <b>OR</b> English 10 / Agriculture 2 <b>OR</b> English 10 Honors	IB Language & Literature 11 (All Versions) <b>OR</b> IB Literature 11 <b>OR</b> Composition / Literature Elective	IB Language & Literature 12 <b>OR</b> IB Literature 12 <b>OR</b> Literature Elective / Literature or General English Elective

## ENGLISH LANGUAGE ARTS COURSES

### **\* / \*\* / \*\*\* 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 below.

### **\* / \*\* / \*\*\* 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.

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

### **\* / \*\* / \*\*\* ENGLISH 10 COMMUNICATIONS & LITERATURE**

**Credit:** 1.0; Full year **Grade:** 10

**Prerequisite:** None

**Course Objectives:** The communications aspect of the course focuses on developing speaking, listening, and media literacy skills. While emphasizing public speaking, this course also covers interpersonal and group communication. The literary aspect of the course will consider a variety of literary genres, including a Shakespearean play. Students will write to a variety of purposes and audiences with an emphasis on argumentation and research writing. **Objectives include demonstrating knowledge and competent performance in speaking, media literacy, writing, and close reading of fiction and nonfiction.**



## \* / \*\* / \*\*\* ENGLISH 10 AND AGRICULTURE 2

**Credit:** 2.0; Full year; double period **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 classroom performance and ability.

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

## \*\* / \*\*\* / \*\*\*\* IB LANGUAGE AND LITERATURE 11

**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 all students with a wide range of skill levels and prepare students for career ready and college-level reading, writing, and thinking skills. 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. **Paired with IB Language & Literature 12 in the senior year, any student may test and potentially earn college credit through the International Baccalaureate Programme.**

**Students must sign up for their first choice and include an alternate choice during registration:**

### **Gods & Heroes**

This course is for students with an interest in world mythologies. Students will investigate Greek, Norse, Mesopotamian, and Flathead Salish stories.

### **Pop Culture**

This course investigates contemporary society as well as other periods of significant cultural change. We will engage the curriculum through the lens of cultural symbols, artifacts, language, social norms, and values.

### **Sports & Culture**

This course uses sports, athletics, and other forms of competition as their lens to investigate culture. We will engage through a variety of texts and their symbols, artifacts, language, social norms, and values.

### **Sports & Culture (Brave Adventures)**

See the above description. This course must be taken in conjunction with Montana Ecology (Science) and Outdoor Pursuits (Health Enhancement). See pp. 84-85 for further information.

### **Utopia & Dystopia**

This course is for students with an interest in dystopian and utopian visions of society. We will engage the curriculum through a variety of texts that explore human civilizations at their best and worst.



## \*\*\* / \*\*\*\* IB LITERATURE 11: DREAMERS & MISFITS (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 with above average or college-capable skills who are seeking preparation for college-level reading, writing, and thinking skills. The course is an academic study of literary fiction and nonfiction with an emphasis on fiction. **Paired with IB Literature 12 in the senior year, any student may test and potentially earn college credit through the International Baccalaureate Programme.**

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

**Credit:** 1.0; Full year **Grade:** 12

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

**Prerequisite:** IB Language & Literature 11 recommended and required for external assessments.

**Course Objectives:** IB Language and Literature is designed to meet the needs of all students with a wide range of skill levels and prepare students for career ready and college-level reading, writing, and thinking skills. 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. **Paired with IB Language & Literature 11 in the junior year, any student may test and potentially earn college credit through the International Baccalaureate Programme.**

**Students must rank their preferences for the following versions of this course:**

### **Global Indigenous Cultures**

This course is for students with an interest in Native American and other indigenous literary and cultural perspectives. We will investigate native stories from cultures around the world in a variety of texts.

### **Leadership: Courage through Adversity**

This course investigates leadership in the face of hardships. We will engage the curriculum through the lens of writers and artists who depict resilience, determination, and grit in the face of significant challenges.

### **War, Peace, and Revolution**

This course investigates times of war, revolution, and significant cultural change. We will engage the curriculum through texts that explore morality and human relationships in moments of crisis.

## \*\*\* / \*\*\*\* IB LITERATURE 12: THE WORD & THE STAGE (HL)

**Credit:** 1.0; Full year **Grade:** 12

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

**Prerequisite:** IB Literature 11 recommended and required for external assessments

**Course Objectives:** IB Literature is designed to meet the needs of students with above average or college-capable skills who are seeking preparation for college-level reading, writing, and thinking skills. The course is an academic study of literary fiction and nonfiction with an emphasis on fiction. **Paired with IB Literature 11 in the junior year, any student may test and potentially earn college credit through the International Baccalaureate Programme.**



## \* / \*\* COMPOSITION

**Credit:** .5; One semester **Grade:** 11

**Prerequisite:** None

**Course Objectives:** This course is intended for students who need additional, focused writing support and is structured to help them reach grade-level writing proficiency. It 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.

## \*\*\* / \*\*\*\* COLLEGE WRITING

**FVCC COURSE: WRIT 101 - COLLEGE WRITING I**

**Credit:** .5; One semester **Grade:** 12

**Prerequisite:** Students must pass either the FVCC entrance exam or have ACT equivalent score, B or higher in previous FHS English course

**Course Objectives:** This course is a concurrent enrollment course with Flathead Valley Community College. Students will receive credit for WRIT 101 - College Writing I. This course will work on mastering the skills of college-level writing, including research, organization, and the writing process. The major assessments in the course will be varied works of composition and presentation, with the skill level and difficulty increasing through the semester. Students will also reflect upon their writing, both individually and with their classmates.

## \* / \*\* / \*\*\* SCIENCE FICTION AND FANTASY LITERATURE

**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**

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

**Prerequisite:** None

**Course Objectives:** This course studies 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.

## **\* / \*\* / \*\*\* 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.



## PUBLICATIONS COURSES

### **\*\* / \*\*\* / \*\*\*\* PUBLICATIONS: YEARBOOK & JOURNALISM**

**Credit:** 1.0 for full year **Grades:** 10, 11, 12

**Credit:** General English Elective

**Prerequisites:** Placement in the course is dependent on previous English grades and attendance record.

**Course Objectives:** Students in this course learn journalistic skills and marketing skills to produce the school yearbook and, potentially, the student newspaper. These include advanced skills in interviewing, journalistic writing, editing and proofreading, desktop publication, and advertising. Objectives include demonstrating knowledge and competent performance in journalism, graphic design, advertising, and marketing in the creation of the yearbook and newspaper.

**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. 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.

## THEATRE COURSES

### **\*\* / \*\*\* ACTING 1: PROCESS, PRACTICE, AND PHILOSOPHY IB (SL or HL)**

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

**Prerequisite:** None

**Course Objectives:** A variety of mime, movement and vocal exercises along with scene work and other theater 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 theater and to develop an appreciation for theater as an art. **Objectives include demonstrating knowledge and competent performance of theatrical arts concepts and skills.**

**\*To earn the IB Theatre Designation, students must register for this course in the Junior year.**

### **\*\* / \*\*\* ACTING 2: PROCESS AND PERFORMANCE IB (SL or HL)**

**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 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 theater 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.

**\*To earn the IB Theatre Designation, students must register for this course in the Junior year.**



## **\*\* / \*\*\* 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 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 theater tradition 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, the director's vision for realization on the stage; the relationship between the play's themes and the actions of the character.

**\*To earn the IB Theatre Designation, students must register for this course in the Senior year.**

## **\*\* / \*\*\* 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 theater 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.

**\*To earn the IB Theatre Designation, students must register for this course in the Senior year.**

For students wishing to earn an IB Theatre Certificate or completing the IB Theatre Program for the Group 6 Diploma Requirement, the following courses are ***required*** in this order:

*JUNIOR YEAR: Acting 2 & Theatre as Literature IB*

*SENIOR YEAR: Acting 3 & Acting 4*

## **\*\* / \*\*\* / \*\*\*\* THEATRE AS LITERATURE**

**Credit:** .5; one semester; **Grades:** 11, 12

**Prerequisite:** None

**Course Objectives:** This course studies 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.



### \*\*\* / \*\*\* TECHNICAL THEATRE 1

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

**Course Fee:** \$15

**Course Objectives:** This course focuses on technical theater 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 theater productions presented during the semester during the class in a “work lab” based environment. These students will apply technical skills to enhance the production of drama and theater works at Flathead High School.

### \*\* / \*\*\* TECHNICAL THEATRE 2

**Credit:** .5; one semester **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 theater 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 theater productions presented during the semester in a “work lab” – based environment. These students will apply technical skills to enhance the production of drama and theater works at Flathead High School.

### \*\* / \*\*\* TECHNICAL THEATRE 3

**Credit:** .5; One semester **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. **These include more advanced designs and the possibility of acting as student designers on FHS Theatre Shows.** Topics taught include project development, planning/budgeting, project management, and project execution. This class will design and construct the set of FHS theatre productions presented during the semester in a “work lab” - based environment. These students will apply technical skills to enhance the production of drama and theater works at Flathead High School.

### \*\* / \*\*\* COLLEGE THEATRICAL DESIGN

### FVCC COURSE: THTR 102 - INTRODUCTION TO THEATRE DESIGN

**Credit:** .5; One semester **Grade:** 10, 11, 12

**Prerequisite:** Technical Theatre 1, 2, and 3 or consent of instructor

**Course Fee:** \$15

**Course Objectives:** This course is a concurrent enrollment course with Flathead Valley Community College. Students will receive credit for THTR 102 - Introduction to Theatre Design. This course offers high school students the opportunity to engage in a college-level exploration of theatrical design and production elements. Students will gain a foundational understanding of how scenery, costumes, lighting, sound, and digital media combine to create meaningful stage experiences. Through hands-on projects, collaborative design challenges, and critical reflection, students will develop creativity, technical awareness, and an appreciation for the role of design in theatre.



## ELECTIVE COURSES

### **\*\* / \*\*\* 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 to learn oral communication skills and the skills of research, evidence analysis, and informal logic. **Objectives include demonstrating knowledge and competent performance in speaking.**

### **\*\* / \*\*\* LEARN AND SERVE: MENTORING / TUTORING 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 literacy across all subject areas. Supervising high school and elementary teachers will provide high school students instruction on methods of working with elementary students and comprehension strategies. The high school students will receive instruction on the methods of working with elementary students and strategies for tutoring. 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 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 in this course.**



**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 (unless stated). A student must have at least one semester of Athletic Foundations prior to enrolling in Strength and Conditioning, Agility and Strength or Flathead High Crossfit. 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 9,10,11,12

Equipment and Fee: FHS PE Uniform \$18

Prerequisite: One credit of Physical Education of which one semester must be Athletic Foundations. Available for Freshman with Teacher/Coach approval.

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.



## **BLACK AND ORANGE CROSSFIT**

**Credit:** .5; Semester; 9-12

**Equipment and Fees:** FHS PE Uniform \$18

**Prerequisite:** Minimum of .5 Credits in Athletic Foundations with Coach/Teacher Approval

**Course Objectives:** The objective of this course is to teach students to become adept in a large variety of skills sets: cardiorespiratory endurance, stamina, strength, mobility, power, speed, coordination, agility, accuracy and balance. Crossfit, the sport of fitness, is a core strength and conditioning program that is defined as, “constantly varied, high-intensity functional movement.” This program will focus on preparing the student for any physical activity they will encounter in their life: the known and the unknown. The primary goal of this course is to teach proper functional movement and then introduce intensity. The programming behind this course will be strategic but constantly varied, rarely will a workout be repeated, and when repeated, will be used as a form of measurable data for improvements and pose as a huge motivational tool for their individual fitness improvements. This class will follow the Crossfit model and will “Specialize in not specializing,” which will allow all athletes, regardless of their sport, to see improvements. Students will see an improvement in 10 fitness domains: cardiovascular and respiratory endurance, stamina, strength, flexibility, power, speed, coordination, agility, balance, and accuracy as well as improve in the nine foundational movements: air squat, front squat, overhead squat, shoulder press, push press, push jerk, sumo deadlift high pull, and the medicine ball clean.

## **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, mental health, 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 See Pages 26-27)**

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 Literature 11: 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 and flexibility. 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 and flexibility. 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 involved in sporting activities. Exceptions to this require administrative approval. Athletes with one semester of Athletic Foundations can be considered for a strength and conditioning class with 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.



## 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. Contact Kelli Higgins with any questions. [kelli.higgins@sd5.k12.mt.us](mailto:kelli.higgins@sd5.k12.mt.us).

## 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).

\*With exception for students who transfer to FHS later in high school, full diploma students need 4 years of an International Language.

Grade 9	Grade 10	Grade 11	Grade 12
English 9	English 10	IB Literature 11 HL IB Language & Literature 11 HL (Any version)	IB Literature 12 HL IB Language & Literature 12 HL (Any version)
French 1 or Spanish 1	French 2 or Spanish 2	French 3 or Spanish 3	French 4 or Spanish 4 SL
CCR/Health	Western Civilizations	History of the Americas IB HL	20th Century IB HL
Algebra 1 or Geometry	Geometry or Pre IB Alg 2	Pre IB Alg 2 App and Interp IB SL (1 yr course) Analysis and Approaches 1 IB HL	App and Interp SL (1 yr course) Analysis and Approaches 2 IB HL
Biology	Chemistry or Honors Earth Science	Biology 1 IB HL Physics 1 IB SL Environmental Systems 1 IB SL/HL Sports, Exercise, & Health IB SL (1 yr course)	Biology 2 IB HL Physics 2 IB SL Environmental Systems 2 IB SL/HL Sports, Exercise, & Health IB SL (1 yr course)
PE Career and Tech Ed Fine Art	PE Career and Tech Ed Fine Art Acting 1 (to prepare for IB Theatre)	Art IB SL/HL Theater IB SL/HL (Th as Lit S1, Act 2 S2) Music IB HL and Orchestra Business IB SL/HL (1 yr for SL) Psychology IB SL/HL (1 yr for SL) Global Politics SL (1 yr course) Another Science	Art IB SL/HL Theater IB SL/HL (Act 3 S1, Act 4 S2) Music IB HL and Orchestra Business IB SL/HL (1 yr for SL) Psychology IB SL/HL (1 yr for SL) Global Politics SL (1 yr course) Another Science
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 in math, 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 : IIB 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 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.

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 LEVEL 2 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 Biochemistry, Cells, Genetics, Cellular Respiration and Statistics.

### **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 Body Systems, Plant Systems and Biodiversity. 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 (HL First Year)**

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

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, atmospheric and climate change and pollution. Students will be participating in field trips to Glacier National Park , the Flathead River, and either Newport Oregon, or Moab, Utah.



## **ENVIRONMENTAL SYSTEMS and SOCIETIES 2 IB (HL 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 soil systems, aquatic and terrestrial food production, human populations and resource water and aquatic food production systems, soil systems, food production/ agriculture, human systems and resource use, energy resources, and the dynamic nature of natural resources. In Addition, students explore environmental law, economics, and ethics. Ecological field studies take place in Glacier National Park and either Newport, Oregon or Moab, UT. Students have the option of testing at the HL or SL level for IB and university dependent class credit in May.

## **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***

### **IB ANALYSIS AND APPROACHES 1 (HL)**

Credit: 1.0; Full year; Grade 11 and 12

Prerequisite: Pre-IB Algebra 2

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 2 (HL)**

Credit: 1.0; Full year; Grade 12

Prerequisite: IB Analysis and Approaches 1

Course Objectives: IB Mathematical Analysis and Approaches 2 covers what is typically taught in a college Calculus course as well as additional advanced IB specific topics such as vectors, complex analysis and an introduction to differential equations. The course is designed for students planning to pursue a STEM degree or planning to take Calculus at some point in their college experience.

### **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



## 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 theater 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 1: PROCESS, PRACTICE, AND PHILOSOPHY IB (SL or HL)**

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

Prerequisite: None

Course Objectives: A variety of mime, movement and vocal exercises along with scene work and other theater 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 theater and to develop an appreciation for theater as an art. **Objectives include demonstrating knowledge and competent performance of theatrical arts concepts and skills.**

**\*To earn the IB Theatre Designation, students must register for this course in the Junior 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 theater 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 theater 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). This course fulfills one credit towards the Civics Distinction.

Psychology is defined as the systematic study of behavior and mental processes. This course follows a concept based approach to understand the different disciplines used to explain human behavior. Combining class practicals, the contexts of human development, learning and cognition, human relationships, and health and well-being, students gain a deeper knowledge of the fundamental components of Psychology. By combining the concepts of bias, causality, and change, along with the contexts presented in this course, students will develop deeper psychological literacy and understanding of their own behavior and that of others.

## **IB MUSIC - HL**

Credit: 1; Full year; Grades 11-12

Prerequisite: Concurrent enrollment in Symphonic Orchestra

Course Description: IB Music is offered as an accompanying course for Juniors and Seniors enrolled in Symphonic Orchestra.

Alongside their regular rehearsals and assignments, IB Music students will develop their musicianship through creative projects that involve research, performance, composition, and thinking critically about music. This is largely an online course with partial in-class instruction and guidance from the teacher.

\*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.



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, Comparisons and Community. 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.

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.

Additionally, our program offers the Montana Seal of Biliteracy which 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.

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.

Course Objectives: Students develop their proficiency in interactions with other speakers of the target language, understanding oral and written messages in the target language and making oral and written presentations in the target language. Students exchange and support opinions on a variety of topics related to contemporary events and issues. \*Students enrolled in this class will have a summer assignment in preparation for Level 4.

### **LEVEL 4 FRENCH / IB FRENCH, (Standard Level) OR LEVEL 4 SPANISH / IB SPANISH, (Standard Level)**

Credit: 1.0 Full year, Grades 11, 12

Prerequisite: Successful completion of French 3 or Spanish 3 and/or 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 the target language, understanding oral and written messages in the target language and making oral and written presentations in the target language. Students exchange and support opinions on a variety of topics related to contemporary events and issues.

### **SPANISH FOR THE WORKPLACE**

Credit: 0.5; Semester, Grades 10-12

Prerequisite: 1 year of Spanish (students could join the class without 1 year with instructor approval)

Fee: \$0

Course Objectives: Students will be able to communicate with Spanish Speakers with a variety of vocabulary and conversational skills relative to their career area of interest.



## 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.

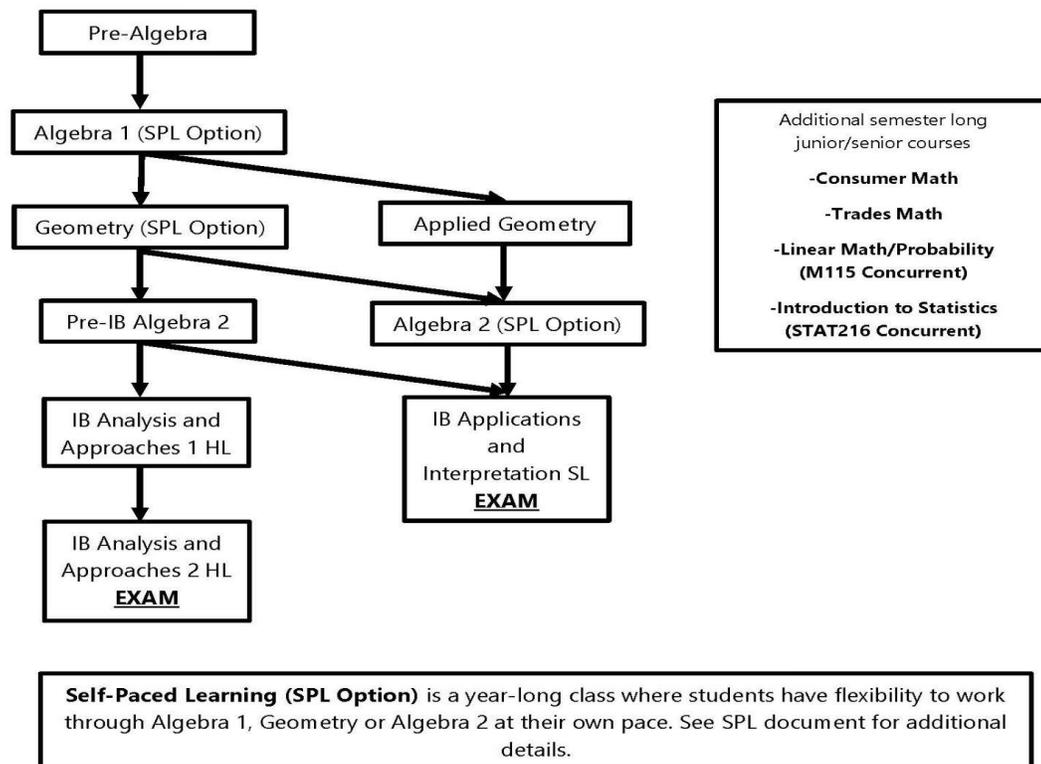
## CURRICULUM RECOMMENDATIONS

- 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.

### Flathead High School Math Offerings for 2026 to 2027

*Exceptions to sequencing can be made based on teacher recommendation.*

All Flathead High School Students must complete a minimum of three (3.0) credits of math to be eligible for graduation.



## **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. *A Self-Paced Learning version of this course is also available.*

## **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. *A Self-Paced Learning version of this course is also available.*

## **IB APPLICATIONS AND INTERPRETATION (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.

## **IB ANALYSIS AND APPROACHES 1 (HL)**

Credit: 1.0; Full year; Grade 11 and 12

Prerequisite: Pre-IB Algebra 2

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 complex analysis coordinates, methods of proof, three-dimensional space.



## **IB ANALYSIS AND APPROACHES 2 (HL)**

Credit: 1.0; Full year; Grade 12

Prerequisite: IB Analysis and Approaches 1

Course Objectives: IB Mathematical Analysis and Approaches 2 covers what is typically taught in a college Calculus course as well as additional advanced IB specific topics such as vectors, probability density functions and an introduction to differential equations. The course is designed for students planning to pursue a STEM degree or planning to take Calculus at some point in their college experience.

## **CONSUMER MATHEMATICS**

Credit: 0.5 ; Semester; Grades 11 and 12

Prerequisite: Geometry or Applied Geometry

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. *A Self-Paced Learning version of this course is also available.*

## **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. 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 an IB Math offering. Pre-IB Algebra 2 parallels current Algebra 2 curriculum with a focus on introducing students to the IB approach of studying mathematics and IB assessments.

## **LINEAR MATH AND PROBABILITY (Concurrent enrollment with FVCC M115)**

Credit: 0.5; Semester, Grades 11, 12

Prerequisite: Pre IB Algebra 2 or Algebra 2 and successful completion of placement test.

Course Objectives: This course follows the same curriculum as a traditional linear math and probability course which includes linear algebra, matrices, programming and an introduction to probability. Successful completion of this course will award M115 credit.

## **INTRODUCTION TO STATISTICS (Concurrent enrollment with FVCC STAT216)**

Credit: 0.5; Semester; Grades 11, 12

Prerequisite: Linear Math and Probability

Course Objectives: This course is aligned with college level introductory statistics. This includes graphical methods, measures of location and dispersion, probability, commonly used distributions, estimation and hypothesis testing. Also covered are probability, binomial, normal, student's t, chi-squared and f distributions. Successful completion of this course will award STAT216 credit.

## **TRADES MATH**

Credit: 0.5; Semester; Grades 11, 12

Prerequisite: Applied Geometry or Geometry, student must place into the class for college credit

Course Objectives: Trades Math is intended to provide students with the skills and knowledge necessary to find success in a future career in a variety of trade fields. This includes a study of topics such as arithmetic, fraction operations, trigonometry, conversion factors, measurement and several simulated job bid/ financial literacy focused projects.



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: Band Class Fee - \$20 per semester **AND** Instrument Rental Fee - \$30 = **Total Fees - \$50\***

\*If you own an instrument see Mr. Johnke regarding fees.

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

Prerequisite: At least one year of experience on a wind or brass instrument

Materials Fee: Band Class Fee - \$40 per year **AND** Instrument Rental Fee - \$60 = **Total Fees - \$100\***

\*If you own an instrument see Mr. Johnke regarding fees.

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

Prerequisite: Braves Band and/or instructor permission

Materials Fee: Band Class Fee - \$40 per year **AND** Instrument Rental Fee - \$60 = **Total Fees - \$100\***

\*If you own an instrument see Mr. Johnke regarding fees.

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

Prerequisite: None

Materials Fee: Band Class Fee - \$40 per year **AND** Instrument Rental Fee - \$60 = **Total Fees - \$100**

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

Prerequisite: Concert Band and/or instructor permission

Materials Fee: Band Class Fee - \$40 per year **AND** Instrument Rental Fee - \$60 = **Total Fees - \$100\***

*\*If you own an instrument see Mr. Johnke regarding fees.*

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

Materials Fee: \$30/per year

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

Materials Fee: \$30/per year

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

Materials Fees: \$30 per year

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

Materials Fees: \$30 per year

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.

Materials Fee: Orchestra Class Fee - \$40 per year **AND** Instrument Rental Fee - \$60 = **Total Fees - \$100\***

\*If you own an instrument see Mr. Holdhusen regarding fees.

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

Materials Fee: Orchestra Class Fee - \$40 per year **AND** Instrument Rental Fee - \$60 = **Total Fees - \$100\***

\*If you own an instrument see Mr. Holdhusen regarding fees.

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

Materials Fee: Orchestra Class Fee - \$40 per year **AND** Instrument Rental Fee - \$60 = **Total Fees - \$100\***

\*If you own an instrument see Mr. Holdhusen regarding fees.

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: 1; Grades 10-12

Prerequisite: Concurrent enrollment in orchestra class or audition with instructor

Materials Fee: Instrument Rental Fee - \$60

\*If you own an instrument see Mr. Holdhusen regarding fees.

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 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.

### **BEGINNING GUITAR**

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

Prerequisite: None

Materials Fee: Instrument Rental Fee - \$30

\*If you own an instrument see instructor regarding fees.

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.

### **IB MUSIC - HL**

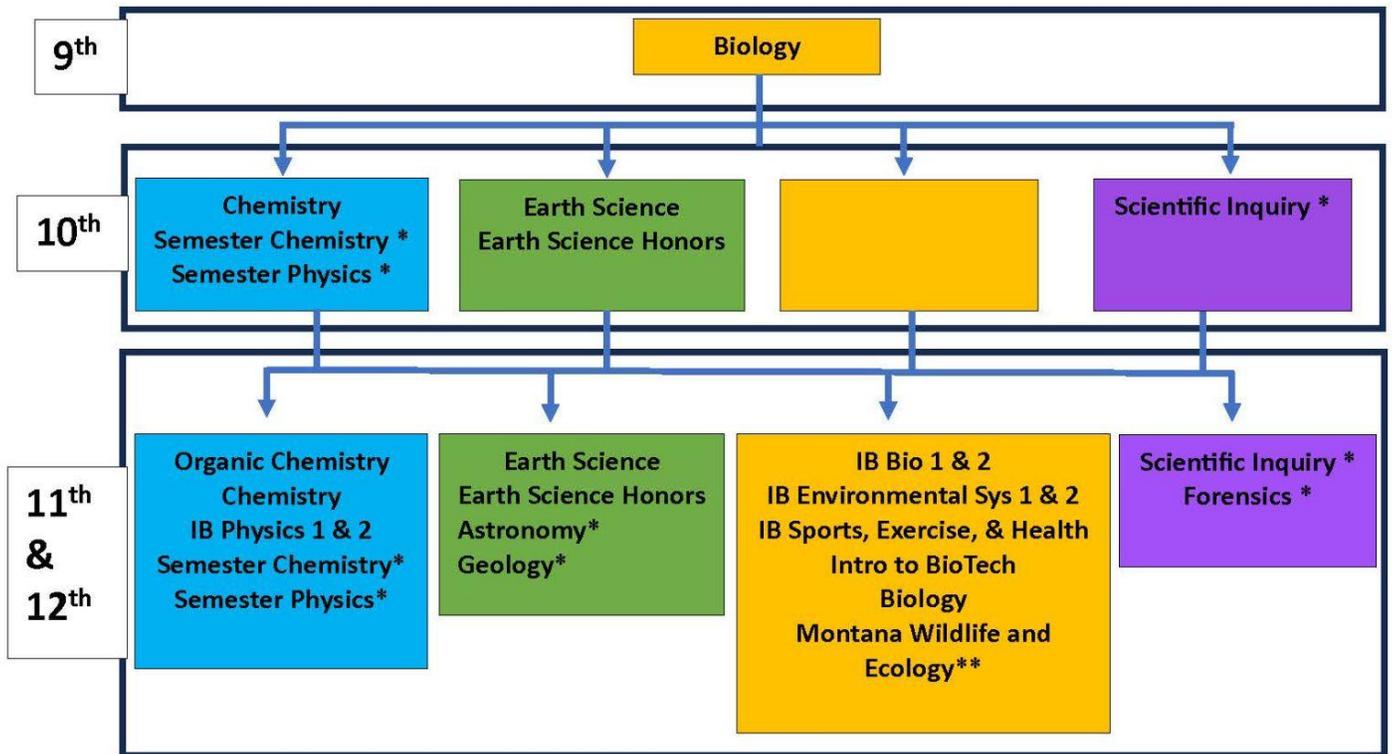
Credit: 1; Full year; Grades 11-12

Prerequisite: Concurrent enrollment in Symphonic Orchestra

Course Description: IB Music is offered as an accompanying course for Juniors and Seniors enrolled in Symphonic Orchestra. Alongside their regular rehearsals and assignments, IB Music students will develop their musicianship through creative projects that involve research, performance, composition, and thinking critically about music. This is largely an online course with partial in-class instruction and guidance from the teacher.



## FHS Science Registration Sequence 2026-2027



All classes are year-long, unless indicated by \* to be a semester long class

\*\* Must Enroll in Brave Adventures also - Juniors only

\*\*\* Double period

To meet state and national standards, it is recommended that all students take at least one class in 3 of the 4 domains below:

- Earth & Space Science
- Physical Science
- Life Science
- Science Skills



## 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.

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

## COURSE DESCRIPTIONS

### 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 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 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. *This course cannot be used to meet the two credits of core discipline science course requirement.*

**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 Biochemistry, Cells, Genetics and Statistics. 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:** 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. Body Systems, Plant Systems and Biodiversity. A field trip will be taken out of state to complete required ecology lab hours. A field trip will be taken out of state to complete required ecology lab hours. Students will complete an Individual investigation to be submitted to IB. 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 (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 (HL First Year)**

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

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. *This course cannot be used to meet the two credits of core discipline science course requirement.*

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 issues faced by societies around the world. 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, atmosphere and climate change, and pollution. Students will be participating in field trips to Glacier National Park, the Flathead River, and either Newport, Oregon, or Moab, Utah.

## **ENVIRONMENTAL SYSTEMS and SOCIETIES 2 IB (HL 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 IB Environmental Systems and Societies 1.

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 issues faced by societies around the world. 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 soil systems, aquatic and terrestrial food production, human populations and resource use, energy resources, and the dynamic nature of natural resources. In addition, students explore environmental law, economics, and ethics. Ecological field studies take place in Glacier National Park and either Newport, Oregon or Moab, Utah. Students have the option of testing at the HL or SL level for IB and university dependent class credit in May.



## **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.

## **GEOLOGY**

Credit: 0.5; One semester; Grades 11 or 12

Prerequisite: Successful completion of 2 years of lab science. *This course cannot be used to meet the two year laboratory science requirement.*

Course Objective: Introduction to Geology will introduce students to the fundamental Earth processes and how they continuously drive planetary change on a variety of time scales. Students will investigate the physical workings of the planet by studying its various parts (materials, features), how these parts are interconnected (linking processes), and the time scales in which the Earth undergoes physical change (geologic time). Students will engage in activities in and outside of the classroom including possible trips to Glacier Nat'l Park, Lewis & Clark Caverns, and various locations around the Flathead Valley. By the end of the course, students will have built a strong foundation in Earth science concepts and developed the skills needed to think like a geologist.

## **INTRODUCTION TO BIOTECHNOLOGY (FVCC COMX BIO B105)**

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

Course Fee: \$50

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 WILDLIFE AND ECOLOGY (BRAVE ADVENTURES)**

Credit: 1.0; Full year; Grade 11

Course Fee: \$50

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 is part of the 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.

This course must be taken in conjunction with **IB Language and Literature 11: Sports and Culture (HL)** (English) and **Outdoor Pursuits (HPE)** as part of Brave Adventures.



## **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. *This course cannot be used to meet the two credits of core discipline science courses requirement.*

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 competency based course is designed to focus on skill in scientific practices while exploring a wide range of science topics. For each 6 week unit learners will develop a guiding question to dive deeper into relevant topics in science and focus on 2-3 science skills for assessment. Teachers will provide support and coaching with the topic focus ultimately selected by the student. This science class is a great way for all levels of students to explore a passion through a science connection.

## **METHODS OF SCIENTIFIC INQUIRY**

Credit: 0.5; Semester; Grade 10,11 or 12

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

Course Objective: This competency based course is designed to focus on skill in scientific practices while exploring a wide range of science topics. For each 6 week unit learners will develop a guiding question to dive deeper into relevant topics in science and focus on 2-3 science skills for assessment. Teachers will provide support and coaching with the topic focus ultimately selected by the student. This science class is a great way for all levels of students to explore a passion through a science connection.

## **SPORTS, EXERCISE AND HEALTH SCIENCE IB SL**

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.



## **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 20<sup>th</sup> 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 20<sup>th</sup> 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, authoritarian states and 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. 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: \$25

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.

## **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.

## **INTRODUCTION TO PUBLIC SPEAKING (FVCC COMX 111)**

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

Prerequisite: None

Course Description: This is a concurrent enrollment course that introduces students to the conceptual knowledge and practical skills needed for effective public speaking. The course prepares students for other college courses that require research, critical thinking, and speaking skills, and it equips students to engage in public speaking situations beyond the classroom. Students give and evaluate speeches. By offering multiple opportunities to analyze and produce public discourse, the course intends to reinforce the principles and qualities of good public speaking. Students engage with issues of public significance throughout the semester. Students gain the skills necessary for active and meaningful participation in democratic life. This course fulfills .5 credit towards the Civics Distinction.

## **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 18<sup>th</sup> Century to the present. 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 defined as the systematic study of behavior and mental processes. This course follows a concept based approach to understand the different disciplines used to explain human behavior. Combining class practicals, the contexts of human development, learning and cognition, human relationships, and health and well-being, students gain a deeper knowledge of the fundamental components of Psychology. By combining the concepts of bias, causality, and change, along with the contexts presented in this course, students will develop deeper psychological literacy and understanding of their own behavior and that of others.

## **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). This course fulfills one credit towards the Civics Distinction.

Psychology is defined as the systematic study of behavior and mental processes. This course will draw on concepts, methods, and understandings of different disciplines to understand human behavior. We will analyze human behavior through the biological, cognitive, and sociocultural perspectives, by using the tools of psychological research through qualitative and quantitative studies. Students will apply these approaches to their understanding of human development, relationships, abnormalities, and health. 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.

## **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, Socialization of Family, School, Peers, Culture and Mass Media. 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 (11<sup>th</sup> or 12<sup>th</sup> 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 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.

