

# PIRATE PLANNER



Home of the **Pirates**

2020-2021 Registration Handbook

Polson High School

1712 2<sup>nd</sup> St West

Polson, MT (406)883-6350

# TABLE OF CONTENTS

## GENERAL INFORMATION

Introduction.....	2
Graduation Requirements.....	3
Standard Four-Year Program.....	4
Career Related Relations.....	5
Montana University System Requirements .....	6
Honors Curriculum.....	7
Transcript.....	8
Grade Point Average.....	8
Honors Graduate.....	8
Honors Curriculum Graduate.....	8
Principal’s Award.....	8
Valedictorian and Salutatorian.....	8
NCAA and NAIA Eligibility Requirements.....	9
Prerequisites.....	9
Drop/Add Policy.....	9

## COURSE DESCRIPTION

Business.....	10-11
Career Exploration & Internships.....	12
Computers.....	13-14
English.....	15-18
Family & Consumer Science.....	19-20
Fine & Performing Arts (Art, Band, Choir).....	21-23
Mathematics.....	24-27
Physical Education.....	28
Science.....	29-32
Social Studies.....	33-35
Special Programs.....	36-39
Technology Education.....	40-41
World Languages.....	42

Visit our web site at [www.polson.k12.mt.us](http://www.polson.k12.mt.us)

## INTRODUCTION

The administration and staff at Polson High School is committed to a continual process of reviewing and reassessing the academic program to ensure that we meet the needs of all students as we **EMPOWER STUDENTS TO SUCCEED IN A CHANGING WORLD.**

We recognize that the future holds many opportunities for our students. These opportunities continue to change and be influenced by technology and a global economy. We are dedicated to providing each student with the foundation needed to compete and prosper in this new economic environment.

Academic success for all students is the focus of the staff at Polson High School. Each student at Polson High School is assigned to a counselor who will serve as their academic coach. The counselor will help each student plan for academic success, review academic goals, and explore career and educational options after graduation. Every student will be provided with the academic planning and support to be successful and graduate from Polson High School with the skills and abilities to continue their education or employment opportunities.

As students become aware of what the future might have in store for them, it is our responsibility to provide each student with the academic preparation required for success after leaving Polson High School. We encourage all students to seek post-secondary training and education or employment that will be challenging, provide a learning environment, opportunities for advancement, and financial security.

We look forward to working with all students and parents as they make decisions related to class choices and preparation for the future. As always our doors are open, give us a call or stop by if we can assist you in any way.

Courses described in this curriculum guide may not necessarily be offered every year.

# POLSON HIGH SCHOOL GRADUATION REQUIREMENTS

24 credits are required for graduation from Polson High School. These credits include:

<b>English</b>	4 credits*	*1 credit each in English 9, 10,11, 12
<b>Math</b>	2 credits**	**Must be in different Math courses
<b>Science</b>	2 credits	
<b>PE</b>	1.5 credits***	*** If a student has a temporary exemption from PE, that credit must be made up prior to graduation. If permanently exempt, 24 credits will still be required. If a student participates and completes 3 activities in freshman and sophomore year the Polson School Board will replace 1 Credit. (See details at bottom of page)
<b>Health</b>	.5 credit	
<b>Social Studies</b>	2 credits	Must include 1 credit US History, .5 credit Government, and .5 credit of a Senior level Social Studies elective
<b>Fine Arts</b>	1 credit	Fine Arts courses include Art, Choir, Band, Journalism, Engineering Design, Webpage Design, Graphic Design, & Multimedia Production/Design
<b>Practical Arts</b>	1 credit	Practical Arts courses include Business, Technology .5 credit of CCR I + an additional .5 credit of Health Occupations Internship, Education Occupations Internship, Computers, Business, FCS, Shop, LINK Leadership
<b>Personal Finance</b>	.5 credit	This will be covered in College & Career Readiness II during the junior or senior year.
<b>Electives</b>	9.5 credits	

## Extracurricular Activity PE Credit Replacement

If Freshman and Sophomore students are involved in 3 activities at Polson High School (Football, Golf, Soccer, Cross Country, Volleyball, Basketball, Wrestling, Cheerleading, Softball, Tennis, or Track and Field) each year the Polson School Board will replace one year of Physical Education.

## **ENROLLMENT REQUIREMENTS**

Freshmen & Sophomores are required to enroll in seven periods, six of which must be for credit. Juniors and Seniors must enroll in seven periods, five of which must be for credit.

## **CTE COURSES**

All Career & Technical Education (CTE) courses offered at PHS are open to all students 9-12 regardless of race, color, national origin, sex or disability. We highly encourage all students to explore the various opportunities of our CTE offerings.



## **CAREER RELATED ELECTIVES**

Many elective classes are available to you at Polson High School. These courses can help you build a solid foundation for your postsecondary education or future employment. We encourage you to take a wide variety of electives so that you can explore different areas of interest. Doing so can help you to refine career fields you may want to pursue after high school.

### **Arts, A/V Technology, Communications**

Occupations in this field are related to the humanities and the performing, visual, literary, and media arts. These may include interior design, fashion design, creative writing, film production, music, graphic design, languages, journalism, broadcasting, theatre, advertising, and public relations.

Art	Music	Journalism	Spanish	Web Page Design
Multimedia Production		Graphic Design	Publications	PHSN TV/Film & Screen
Fashion & Design		Clothing & Textiles		

### **Business Management & Information Systems**

Occupations in this field are related to the business environment such as entrepreneurship, sales, marketing, computer/information systems, finance, accounting, personnel, economics, hospitality & tourism, and management.

CCR I & II	Psychology	Intro to Statistics	Spanish	Intro to Marketing
Sports & Entertainment Marketing	ESports Marketing	Hospitality & Tourism		
DECA		Intro To Computer Science		Coding 2 and 3

### **Industrial, Manufacturing & Engineering Systems**

Occupations in this field are related to the technologies necessary to design, develop, install, and maintain physical systems

Engineering Design 1 & 2	Energy Tech	Construction Tech 1 & 2		
Custom Production	Physics	Chemistry		Art

### **Health Sciences**

Occupations in this field are related to the promotion of health and nutrition related enterprises. They include pharmacy, medicine, medical specialties, mental health, athletic training, nutrition, commercial food preparation, and related fields

Psychology	Chemistry	Fitness/Weight Training	Spanish	
Anatomy & Physiology	Health Occupations			

### **Agriculture, Food, & Natural Resources**

Occupations in this field are related to agriculture, the environment, and natural resources. These fields may include earth or environmental sciences, mineral exploration, agribusiness, oceanography, fisheries, forestry, horticulture, and wildlife management.

Chemistry	Physics	Environmental Science	Astronomy	
Zoology	Spanish	Wildlife Biology	Culinary 1-3	
Family & Consumer Science				

### **Human Services & Resources**

Occupations in this field are related to areas including education, government, law and law enforcement, emergency & fire management, security, social and counseling services

Psychology	AP Government	Spanish	FCS	Global Issues	Educ. Occ Internship
------------	---------------	---------	-----	---------------	----------------------

## Montana University System Admission Requirements

A high school graduate seeking full-time admission to a four-year degree program at any of the four year campuses within the Montana University System must meet the following requirements:

1. Achieve at least the minimum score on a standardized test (ACT or SAT)
  - a. Minimum ACT Composite Score
    - i. 20 for MSU-Northern
    - ii. 22 for UM-Missoula, MT Tech of UM, MSU-Bozeman, MSU-Billings
  - b. Minimum SAT Total Score:
    - i. 1440 MSU-Northern
    - ii. 1540 for UM-Missoula, MT Tech of UM, MSU-Bozeman, MSU-Billings
2. OR have at least a cumulative 2.5 GPA
3. OR rank in the upper half of graduating class
4. Additionally, all students must meet the minimum core requirements and demonstrate a minimum proficiency in Math & Writing.

**Students entering a 4 year campus must complete one of the following 3 options:**

<b><i>A</i></b>					
<b><i>MINIMUM CORE WITH TEST REQUIREMENT</i></b>					
<b><u>Course</u></b>	<b><u>Yrs</u></b>	<b><u>MT Regents College Prep Program</u></b>	<b><u>EXAM</u></b>	<b><u>Math</u></b>	<b><u>Writing</u></b>
Math	3	Algebra I,II, & Geometry, (or the sequential content of these courses: Alg. 1, Geom., Alg. 2) Mathematic course in senior year is encouraged.	ACT ACT SAT CLEP	22 22 27.5 50	18 18 25 50
English	4	Written & oral communication skills and literature			
Science	2	2 lab sciences: one year must be Earth Science, Biology, Chemistry or Physics.			
Social Studies	3	Global studies (World Geography, World History, Global Issues, US History, Gov/Econ			
Electives	2	Foreign language, computer science, visual & performing arts, or vocational education.			

<b><i>B</i></b>					
<b><i>MINIMUM CORE WITH AP CREDIT BY EXAM</i></b>					
<b><u>Course</u></b>	<b><u>Yrs</u></b>	<b><u>Advanced Placement</u></b>	<b><u>Exam</u></b>	<b><u>Score</u></b>	
Math		Courses designed to prepare students for these exams	Calculus AB Calculus BC Statistics	3+ 3+ 3+	
English		Courses designed to prepare students for these exams	English Language English Literature	3+ 3+	
English	4	Written & oral communication skills and literature			
Science	2	2 lab sciences: one year must be Earth Science, Biology, Chemistry or Physics.			
Social Studies	3	Global Studies (World Geography, World History, Global Issues, US History, Gov/Econ			
Electives	2	Foreign language, computer science, visual & performing arts, or vocational education.			

<b><i>C</i></b>					
<b><i>RIGOROUS CORE WITHOUT TEST REQUIREMENT</i></b>					
<b><u>Course</u></b>	<b><u>Yrs</u></b>	<b><u>Rigorous Core</u></b>			
Math	3	Algebra I,II & Geometry (or the sequential content equivalent of these courses: Alg. 1, Geom., Alg. 2).			
	1	A course beyond Alg. 2 such as Pre-Calculus, Statistics or AP Calculus. Must pass with C+=>			
English	4	Written & oral communication skills, literature, and a designated college-prep composition or research writing course. (AP English).			
Science	3	Full year each: General, Physical or Earth Science, Biology, Chemistry or Physics.			
Social Studies	3	Global studies World Geography or Global Issues, US History, Gov/Econ			
Electives	3	2 years of a second language, music, fine arts, speech/debate, career & technical education (computer applications or computer science).			

## WRITING PROFICIENCY

Any student seeking full-time admission to a 4 year degree program at one of the 4 year campuses must satisfy a writing proficiency by earning a minimum score on one of the following writing assessments;

ACT Plus Writing Subscore	7
ACT ELA Score	18
SAT Writing & Language	25
A.P. English Literature or Language Exam	3

A student who does not meet these standards may be admitted to a 2 year degree program or admitted

provisionally to a 4 year degree program on any campus of the Montana University System.

\*\* No entrance requirements have been imposed for the Montana Community Colleges or the Colleges of Technology beyond a high school diploma. ACT or other test scores are required for placement only.

## PHS HONORS CURRICULUM

Polson High School offers an honors curriculum which encourages students to complete an academically challenging program of study. Students who complete this program should find themselves capable of competing in any college or university program commensurate with their level of achievement. Those seniors who have completed the honors curriculum at an accredited high school and maintained a 3.25 cumulative GPA or higher will be Honors Curriculum Graduates. These graduates will be designated on the graduation program. Valedictorians & Salutatorians will be selected from the Honors Curriculum graduates. Independent Study and correspondence credits must be pre-approved by school counselor. The following courses must be taken:

**English: 4 credits** - English 9 or Advanced English 9, English 10 or Advanced English 10, English 11 or A.P. Literature, English 12 or A.P. Language.

**Math & Science: 8 credits**- The first two credits of Math include Algebra 1 & Geometry. The first two credits of Science include Earth Science & Biology. A minimum of 4 credits must be in upper level classes such as: Algebra 2, Precalculus, A.P. Calculus, Prob & Linear Math/Statistics, Chemistry, Physics, A.P. Physics, Environmental Science, Wildlife Biology, Anatomy/Physiology I or II, Astronomy I or II, Healthcare Science, Zoology. Students may substitute an advanced math class for an upper level science or vice versa.

**Social Studies: 3 credits** - The 3 credits in Social Studies must include US History or A.P. U.S. History (1 credit), A.P. Government ( 1 credit) , US Government (.5 credit), Senior Social Studies elective (.5 credit),and any combination of Global Issues, World Geography, World History or other upper level courses (1 credit)

**Other Requirements** - In addition, students must meet the PHS requirements in Health & Physical Education, Fine Arts and Practical Arts for a total of 24 credits. Students are encouraged to consider a variety of electives depending on their educational interests and career goals. Many 4 year colleges and universities recommend that students take two years of a foreign language, some require it. Students are encouraged to see their school counselor to determine specific college requirements.



## **TRANSCRIPT**

A transcript is a historical record of all courses taken and grades received for students during their high school tenure. All grades including "F's" and "WF's" remain on a student's transcript and they are calculated into the cumulative GPA. At the recommendation of their teacher, students may retake a course that they have previously passed and earned credit. For these cases, the student will receive the additional credit and the grade will be calculated into his or her GPA.

## **GRADE POINT AVERAGE**

Cumulative grade point average (GPA) is computed by averaging all semester grades beginning with the freshman year. Quarter grades are not included in the computation of cumulative GPA. Cumulative GPA is used to determine class rank. GPA is calculated on the following basis:

A+ = 4.0	B+ = 3.3	C+ = 2.3	D+ = 1.3	F = 0
A = 4.0	B = 3.0	C = 2.0	D = 1.0	
A- = 4.0	B- = 2.7	C- = 1.7	D- = .7	

## **HONORS GRADUATES**

All students earning a 3.25 cumulative GPA or above at the completion of 8 semesters from an accredited school will receive the designation of Honors Graduate. This designation will be noted on the Graduation Program and students will wear a gold tassel.

## **HONORS CURRICULUM GRADUATES**

All students completing the Honors Curriculum and who have a 3.25 cumulative GPA or higher at the completion of 8 semesters at an accredited high school, will be designated Honors Curriculum Graduates. This designation will be noted on the Graduation Program and students will wear a gold tassel and a gold honor cord.

## **PRINCIPAL'S AWARD**

Students with a cumulative GPA of 3.5 or higher at the completion of 8 semesters in an accredited high school will be awarded the Principal's Academic Achievement Award upon graduation.

## **VALEDICTORIAN AND SALUTATORIAN**

Valedictorian and Salutatorian will be determined at the end of 8 semesters and will be based upon cumulative GPA and the completion of the Honors Curriculum from an accredited high school. The student with the highest GPA will be designated Valedictorian. The student with the next highest GPA will be designated Salutatorian. In case of a tie, the students will share the honors. Students must be full time and in continual attendance at Polson High School the 2 semesters prior to graduation to be considered for the title of Valedictorian or Salutatorian.

## NCAA AND NAIA ELIGIBILITY REQUIREMENTS

For students who wish to compete in intercollegiate competition, special attention must be given to the eligibility requirements of NCAA and/or NAIA. Each governing body has specific eligibility requirements that include core classes, GPA, and ACT/SAT test scores. ***Students need to review the requirements as they are listed on the respective web sites of NAIA and NCAA as early as their sophomore year to ensure that they are taking appropriate coursework.*** Information pertaining to eligibility can be found at NCAA at [www.ncaa.org](http://www.ncaa.org) and NAIA at [www.playNAIA.org](http://www.playNAIA.org). PHS courses with NCAA approval are marked with the (\*) symbol.

## PREREQUISITES

A prerequisite refers to course work or requirements which must be met before another course may be taken. Prerequisites for each course are outlined in the Pirate Planner. Please note that some courses have a GPA prerequisite such as: Advanced Placement English requires a cumulative 3.25 GPA in English courses.

## DROP/ADD POLICY

Students who choose to drop a class that they requested and who do not meet the extenuating circumstances outlined below will receive a WF. The failure will be recorded on the student's grade transcript and will be calculated into their cumulative GPA. Extenuating circumstances include:

- \* failure to meet a prerequisite for a course
- \* failure to pass a course required for graduation
- \* overloads in class size
- \* a change recommended after consulting with the parent/counselor/teacher

# BUSINESS

## **Sports & Entertainment Marketing**

Length: Semester

Prerequisite: None

Entry Level: 9

This course is designed to further student's knowledge and interest in the field of Marketing. This course will cover basic marketing, target marketing, and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and sports marketing plans as applicable to the Sports and Entertainment industries. The co-curricular organization DECA is an opportunity for students interested in challenging their newly acquired business skills. This organization offers many benefits and exciting activities for marketing students, including competitions, awards, scholarships, job opportunities, and travel. \*Participation in DECA is available and encouraged

## **Esports Marketing Management and Gaming 1**

Length: Semester

Prerequisite: Minimum 2.50 G.P.A - Completed Marketing 1 or 2 with "C" or better - Teacher approval needed if you don't meet the prerequisite requirements

Entry Level: 10-12

Welcome to the world of professional video-gaming, popularly known as Esports. Esports is one of the fastest growing industries in the world. Scholarships and college degrees are now being offered around the country with no end in sight in the growth of more opportunities. The global audience for Esports is projected to grow from almost 400 million people in 2018 to 589 million by 2020. This course is designed to introduce students to the career opportunities, major tools, and business concepts required to manage the execution, organization, and operation within the Esports ecosystem. The co-curricular organization DECA is an opportunity for students interested in challenging their newly acquired business skills. This organization offers many benefits and exciting activities for marketing students, including competitions, awards, scholarships, job opportunities, and travel. \*Participation in DECA is available and encouraged..

## **Intro to Marketing & Social Media**

Length: Semester

Prerequisite: None

Entry Level: 9

In this course students will learn the fundamentals of business and marketing. This class focuses on current topics in business and marketing including the 4 P's: Product, Price, Place & Promotion, with a focus on social media marketing. The class also includes topics on retail sales, business presentations, management, entrepreneurship, ethics, career exploration, and business and marketing plans

## **Hospitality and Tourism**

Length: Semester

Prerequisite: None required, Intro to Marketing preferred

Entry Level: 9

In this course students will learn how to identify, develop, and promote tourism and hospitality products and services. Issues such as marketing, sales, advertising, and promotion for the tourism and hospitality industry will be explored, along with basic planning and financial topics. Participation in DECA is encouraged.

## **Business Leadership**

Length: Semester or Year Long

Prerequisite: C or better in Intro to Marketing or Sports and Entertainment Marketing required, participation in DECA highly recommended

Entry Level: 10

In this course students will work in the DECA store and conduct daily operations of a business from customer service to financial records.

## **CCR1 - College and Career Readiness 1**

Length: Semester

Prerequisite: None

Entry Level: 9

This course will focus on career exploration and computer application concepts. Students will use the MCIS website to conduct career research, results will be saved and re-evaluated in CCR 2.

## **CCR2 - College and Career Readiness 2**

Length: Semester

Prerequisite: None

Entry Level: 11

This course will continue to look at college and career options as well as cover personal finance concepts that students will need once they graduate. Topics covered will include; checking, saving, types of credit, managing credit, budgeting, taxes, insurance and investing.

## **DECA**

Length: Semester or Year Long

Prerequisite: None

Entry Level: 9

DECA is a business club whose mission is to prepare emerging leaders and entrepreneurs to be college and career ready. This course is designed to focus on projects for DECA including writing business plans, marketing plans, and preparing for business oriented role play scenarios. This class will travel to the State Leadership Conference in February each year, requiring 2 days of travel and participation in fundraising.

# CAREER EXPLORATION INTERNSHIPS

## Education Occupations Internship

Length: Year  
Prerequisite: Application/Interview Process  
Entry Level: 11 (Successful senior applicants will be given preference)

The primary goal of the Polson Education Occupations Internship program is to provide motivated students, interested in pursuing a career in education, a perfunctory introduction into PK, elementary, secondary, and postsecondary education. This class consists of a dual credit program in collaboration with Flathead Valley Community College. Some career paths might consist of but are not limited to pre-kindergarten teacher, elementary teacher, middle and high school teacher, school counselor, support staff, administration, and professorships.

Fall Semester: FVCC EDU 101 - Teaching and Learning (3 credits): A critical analysis of public education and the role of classroom teachers in today's public schools. This course examines how public schools developed and changed over the last 100 years and how teachers' roles have evolved accordingly. Current challenges facing teachers, societal expectations of teachers and public schools, as well as the expectations of teacher candidates and teachers are discussed.

Spring Semester: PRACTICUM: Students will participate in observation and practical experience in specific classrooms under the guidance of a cooperating teacher or staff member. Students will use what they learned in EDU 101 and apply it in the classroom from January to May. Following the practical experience, a culminating project and portfolio will be required.

## Health Occupations Internship

Length: Year  
Prerequisite: Application/Interview Process  
Entry Level: 11 (Successful senior applicants will be given preference)

Montana's rapidly growing Career and Technical Education offering is health science. Health science courses prepare students for further education and/or immediate employment in the healthcare field. The goal of the PHS Health Occupations Internship program is to provide an elite, select group of high school juniors or seniors, interested and committed to obtaining a career in the healthcare, with the opportunity to do so. The selected group of high school students will attend class at the hospital for 1.5 hours daily for the entire school year. Students must fulfill **270** intern hours, complete daily journal prompts, complete worksheet per department rotation, and participate in group learning opportunities in order to pass the class.

# COMPUTERS

## **Intro to Computer Science**

Length: Semester

Prerequisite: C or better in CCR1

Entry Level: 9

Introduction to Computer Science will cover everything from how the internet works to building an app. There will be an emphasis on big data and privacy and how it relates to both their personal and professional lives.

## **Multimedia Production & Design**

Length: Semester

Prerequisite: None

Entry Level: 9

This course will deal with analysis, design and implementation of multimedia software. Projects emphasize user interface design, content design with storyboards or scripts, creation of graphics, animation, audio and video material. Also included, software development using high level authoring tools, such as Flash. We will then take the skill set from Adobe Flash and the use of keyframes to apply to the program Adobe After Effects. This special effect program is used by the leaders of effect industry

## **Web Page Design**

Length: Semester

Prerequisite: None

Entry Level: 9

This course introduces intermediate to advanced web page design techniques. Topics include customer expectations, advanced markup language, multimedia technologies, usability and accessibility practices, and techniques for the evaluation of web design. The course will utilize online web design programs such as Google sites and Weebly. Then we will take it to a more advanced program Adobe Dreamweaver, where students will learn to professionally customize web sites. Upon completion, students will be able to employ advanced design techniques to create high-impact and highly functional web pages.

## **PHSN TV/ Film & Screen**

Length: Semester

Prerequisite: Photo & Movie Editing, Intro to Digital Filmmaking, or PNN

Entry Level: 9

This course is designed for those students interested in broadcast news. Students will produce, edit, and perform the television news and announcement program. Hands-on technical expertise with filming, editing with Adobe Premiere, Adobe Photoshop, Adobe After Effects, Green Screen Technologies, and studio production will be taught

## **Coding 2**

Length: Semester

Prerequisite: B or better in Intro to Computer Science

Entry Level: 10

Coding 2 will be a Python course similar to the introductory computer science courses at universities in Montana. Students will learn the fundamentals of Python and programming best practices. Concepts covered will include data types and variables, and using conditionals and loops.

## **Coding 3**

Length: Semester

Prerequisite: B or better in Coding 2

Entry Level: 10

Coding 3 will be a continuation of Coding 2 using Python to begin integrating data structures into coding applications. This course will also explore other languages such as Java and C++ as time allows.

## **Graphic Design 1**

Length: Semester

Prerequisite: None

Entry Level: 9

In Graphic Design 1, students will follow an activity-based syllabus that teaches design principles and image editing and illustration techniques for producing design projects for web, print, and video delivery. Each activity has a small task within so students are learning and refining their skills as they complete each task. Also, in this course, students will learn the basics of film editing and students will learn to study, edit and create films. Students will expand their knowledge and use of the industry standard non-linear video editing program, Premiere Pro.

## **Graphic Design 2**

Length: Semester

Prerequisite: Graphic Design 1 Preferred - Not Required

Entry Level: 9

Graphic Design 2 is a class that teaches art and technology. In this class, students will use design as a creative process in business communication. Students will also explore various methods used to create and combine words, symbols, and images to create a visual representation of ideas and messages. Students will use the basic elements and principles of art and learn how to use the computer programs Adobe Photoshop and Adobe Illustrator. This class teaches the basics of Graphic Design through an illustrative and corporate view.

# ENGLISH

Four credits of English are required for graduation. These credits must include: English 9 (1 credit), English 10 (1 credit), English 11 (1 credit), English 12 (1 credit). Qualifying juniors may substitute A.P. Literature/Composition for English 11. Qualifying seniors may substitute A.P. Language/Composition for English 12.

**Content and Skill Development:** All core classes involve students in activities that develop skills in writing, speaking, listening, and reading text and media. Integrated within the four core classes is a process of career development, creative writing, multimedia applications, literature, drama, interpersonal and public communications.

## English 9

Length: Year  
Prerequisite: English 8  
Entry Level: 9

This course is designed to build on the foundations of reading, writing, and speaking/listening (interpersonal and intrapersonal) introduced in the middle school. Composition, literature, informational text, and media allow the student to develop and strengthen more mature analysis and research skills in these areas.

## Advanced English 9 (\*)

Length: Year  
Prerequisite: English 8, application & teacher recommendation  
Entry Level: 9

This class's more extensive reading assignments, analytical writing assignments, public speaking opportunities, and Socratic dialogues will help students build on their foundations in reading, writing, speaking, and listening.

Coursework will include research & presentations, reading assignments (short stories, nonfiction, poetry, drama, and novels) and writing in a variety of modes (narrative and expository, plus literary analysis).

This class is designed to prepare students to continue in advanced courses, culminating in AP Literature and AP Language their junior and senior years of high school. Consequently, students will complete more work independently (outside of the classroom).

## English 10 (\*)

Length: Year  
Prerequisite: English 9  
Entry Level: 10

Students will work to improve reading comprehension and writing through close reading of novels, short stories, poetry, and drama. They will write for a variety of related purposes and audiences, including expository, persuasive, compare/contrast, creative writing, and poetry. While analyzing writing, students will be engaged in daily grammar exercises focusing on sentence structure, spelling, etc. Additionally, through the study of literature and other types media, the class will focus on rhetorical devices and how rhetoric is used to persuade. This class will compare ancient Greek drama to Shakespeare while also analyzing the themes presented. Narrative styles such as satire and allegory will be covered, along with other literary devices.



## **Advanced English 10 (\*)**

Length: Year  
Prerequisite: English 9, application & teacher recommendation  
Entry Level: 10

This course will offer students accelerated studies in the sophomore curriculum, going deeper into text with more emphasis on writing and more domain specific literary terms. It is faster paced, requires more independent reading and the composition of papers of greater length, and provides less review than English 10. Students will write in a variety of modes, but will concentrate on narrative, expository, and persuasive essays. Throughout the course, group discussion and informal and formal speaking assignments will foster oral communication skills. The assumption is that students plan to continue their education after high school at the college level. The focus will be on perfecting their analytical and synthesizing skills throughout each unit of study.

## **English 11 (\*)**

Length: Year  
Prerequisite: English 10  
Entry Level: 11

English 11 is an American Literature survey course examining major writers who shaped and continue to shape American literary history. The course considers what our literature reveals to us about both the society that produced it and those of us reading it now. Students will read a variety of fiction, non-fiction, poetry, and drama with a historical context to gain perspective on our society and how it has changed over time. This two-semester course includes a variety of reading and writing assignments, daily work, tests, and projects. The class also includes a study of literary terms and styles and a review of the trends in American history, religion, and thought.

## **A.P. English Literature and Composition (\*)**

Length: Year  
Prerequisite: English 10, GPA, and application with teacher recommendation  
*\*Must be taken with A.P. U.S. History\**  
Entry Level: 11 Admission will be based on GPA, application quality, and teacher recommendations. Exceptions may be made to the 3.5 GPA requirement on an individual basis.

This course will follow curricular requirements outlined by the College Board for AP English Literature and Composition, which require students to carefully read and critically analyze imaginative literature from a variety of time periods, from both the British and American canons. By reading the selected texts closely, students will develop a deeper understanding of how writers use language to create meaningful works that are also enjoyable to read. In this class, students will examine the structure, style, and themes, as well as many other literary elements, of the texts.

This course features approaches that develop skills to study and write about poetry, drama, fiction and non-fiction. This course will improve students' understanding of rhetorical and literary techniques. We will concern ourselves with the construction of style analysis covered in the AP English Literature Examination as well as with several other modes of writing. Discussion of the AP examination will include test materials and student exemplars from previous examinations. We will explore the multiple-choice section to develop close reading skills and our understanding of literary terms and techniques.

The course will take a comprehensive approach, including didactic instruction, seminar discussions, small group work and projects, and extensive coaching for writing skills. Students must have a 3.5 GPA in English courses. Admission will be based on GPA, application quality, and teacher recommendations. Exceptions may be made to the 3.5 GPA requirement on an individual basis.

## **English 12 (\*)**

Length: Year  
Prerequisite: English 11  
Entry Level: 12

Students will read and study a variety of novels, plays, and poetry focused on multicultural literature. Class members will respond to that literature through discussion, writing, projects, and exams. English 12 focuses on preparing students for life after high school, including career readiness and post secondary education. Some writing is geared towards creating resumes, cover letters, and college essays. Students complete their English career with a large causal essay and project.

## **AP English Language and Composition (\*)**

Length: Year  
Prerequisite: AP English 11, GPA & application  
Entry Level: 12

This course is designed to help students become skilled readers of rhetoric and writing for purpose, audience expectations, and subjects as well as how rhetorical devices and appeals contribute to the effectiveness of writing. Students will read a heavy course load of mostly nonfiction texts, speeches, short writings, etc. in order to analyze their effectiveness. Afterward, students will write with a focus on synthesis, rhetorical analysis and arguments. Students must have a 3.5 GPA in English courses. Standardized test scores and teacher recommendations will be taken into considerations. In addition, students must complete an application and receive English Department approval. Exceptions may be made to the requirements on an individual basis.

## **Publications (Yearbook)**

Length: Year  
Prerequisite: English 9 & application  
Entry Level: 10

In this course, students will produce a photo history book of Polson High School. Students plan, organize, and design layout spreads depicting all aspects of school life. Taking photographs as well as writing stories and captions will be a significant part of the class. Students will have opportunities to develop photography, leadership, organizational and computer skills. Time beyond the normal school day is required as needed to document school events, meet production deadlines, and complete other assignments. Students may take this English elective multiple years. The course satisfies either the fine arts or practical arts requirement for graduation.

## **Journalism (Salishian)**

Length: Year  
Prerequisite: English 9 & 10, B average in English classes  
Entry Level: 11

Students in the Salishian class will complete journalism requirements for newspaper and website production. Finding stories, writing stories, and taking and captioning photographs will be a significant part of the class. Students will become familiar with the expectations of journalism, both online and print. Students will have opportunities to develop photography, leadership, organizational and computer skills. Time beyond the normal school day is required as needed to document school events, meet production deadlines, and complete other assignments. Students may take this English elective multiple years. The course satisfies either the fine arts or practical arts requirement for graduation.

## **Reading**

Length: Semester

Open to Grades 9 - 12

**Prerequisite: Placement by teacher and/or school counselor**

This course is an intensive reading intervention program designed for students who want to take reading levels to a personal best. With the program Read 180, lessons directly address individual needs through differentiated instruction, instructional software, high-interest literature and non-fiction and direct instruction in reading, writing and vocabulary skills.

## **Fundamentals of Language Arts 9/Read 180**

Length: 1 semester

Open to Grade 9

**Prerequisite: Teacher or Counselor recommendation required**

This course is designed to build on the language arts foundation provided in middle school. In this intensive two-hour block course, students will use the Read 180 program to focus on improving the reading and writing skills needed to succeed in high school. Specifically, students will engage in learning the critical elements of the grade 9 language arts curriculum, with an emphasis on improving reading comprehension, reading fluency, vocabulary, spelling and academic writing. This course does not count towards NCAA required credit for college enrollment; however, it does count as credit towards high school graduation. Students receive .5 English 9 credit and .5 Elective credit per semester.

## **Supported Language Arts 10/Read 180**

Length: Semester

Open to Grade 10

**Prerequisite: Teacher or Counselor recommendation required**

This course is designed to build on the language arts foundation provided in ninth grade. In this intensive two-hour block course, students will use the Read 180 program to focus on improving the reading and writing skills needed to succeed in high school. Specifically, students will engage in learning the critical elements of the grade 10 language arts curriculum, with an emphasis on improving reading comprehension, reading fluency, vocabulary, spelling and academic writing. This course does not count towards NCAA required credit for college enrollment; however, it does count as credit towards high school graduation. Students receive .5 English 10 credit and .5 Elective credit per

# **FAMILY & CONSUMER SCIENCE**

## **FCS**

Length: Semester

Entry Level: 9

Prerequisite: None

This course is an entry level overview course that will provide a brief history of Family and Consumer Sciences as it relates to the development of well-being for individuals, families, and communities. Topics introduced in this course will include: Hospitality and Tourism, Textiles and Apparel, Housing with Interior Design, Child Development, Mindfulness, Nutrition and Cooking, and an introduction to related career fields.

## **Clothing and Textiles**

Length: Semester

Entry Level: 9

Prerequisite: None

This is a multi-level course for all students interested in developing sewing skills, beginning to advanced. Learn how to operate a sewing machine, use a pattern, and choose the correct fabric for your project. Other topics include fabric types, industry structure, and career options. Project choice will be based on skill level and interests. Emphasis will be on home decor and clothing projects.

## **Fashion and Design**

Length: Semester

Entry Level : 9

Prerequisite: None:

This is a multi-level course for all students interested in developing sewing skills, beginning to advanced. Learn how to operate a sewing machine, use a pattern, and choose the correct fabric for your project. Other topics include elements of design, fashion history, and fashion design. Project choice will be based on skill level and interests. Emphasis will be on home decor and clothing projects.

## **Culinary 1**

Length: Semester

Entry Level: 9

Prerequisite: FCS

This course will focus on understanding home and industry kitchen design, recognizing and using cooking tools, basic kitchen safety and sanitation, basic cooking methods, and knife skills. This is a lab based class.

## **Culinary 2**

Length: Semester

Entry Level: 10

Prerequisite: Culinary 1 (C- or better)

This course will focus on nutrition, developing food selection and shopping decisions, and exploring global cuisines. Students will gain extended knowledge of cooking methods and knife skills learned in Culinary 1, as well as explore new methods and skills. This is a lab based class.

## **Culinary 3**

Length: Semester

Entry Level: 10

Prerequisite: Culinary 2 (C- or better)

This course will focus on developing more advanced skills in culinary arts including, food styling, pastries, and investigating food careers. Students will gain extended knowledge of cooking methods and knife skills learned in Culinary 2, as well as explore new methods and skills. This is a lab based class.

# FINE AND PERFORMING ARTS

## **Art Fundamentals**

Length: Semester  
Prerequisite: None  
Entry Level: 9

This is an entry-level course designed to provide a range of artistic opportunities for students to develop their skills in both the making and understanding of art. Areas of emphasis; the fundamentals of art, learning and using art terminology, applying creative processes, developing artistic skills, art history, and making and justifying judgments about aesthetic value and quality of art.

## **Drawing & Design**

Length: Semester  
Prerequisite: Art Fundamentals  
Entry Level: 9

This course is an extension from Art Fundamentals and is designed to strengthen the students drawing abilities and conceptions in design. Experimentation with a wide variety of subject matter and more challenging assignments in drawing, painting, sculpture, and ceramics will be offered. Focus will be on the 6 principles of design.

## **2-D Studio**

Length: Semester  
Prerequisite: Drawing/Design with B or better.  
Entry Level: 10

This class focuses on 2-dimensional visual problems addressing the elements of art and principles of design. The course is designed to strengthen the students drawing, seeing, and creating abilities. Areas of art history will be addressed and explored. Mediums include graphite, charcoal, ink, colored pencils, watercolor, and acrylic painting. This class is an extension of the Art Fundamental and Draw/Design classes. To qualify for the class you must have passed Drawing/Design class with a B or better.

## **3-D Studio**

Length: Semester  
Prerequisite: Drawing/Design with B or better.  
Entry Level: 10

The first quarter is a mixed-media involving a variety of 3-D sculpture media & techniques. We will explore how the elements and principles of art apply to 3-dimensional media. The second quarter of the class is devoted to learning new building and firing techniques in clay and how the elements and principles of art apply to ceramic compositions. To qualify for the class you must have passed Drawing/Design class with a B or better

## **Concert Band**

Length: Year  
Prerequisite: Band  
Entry Level: 9

Concert Band is a combination of musical instruction and performance for school, community events. The class is an all-in-one incorporation of marching band, pep band, music appreciation, music history, music theory, aural training, instrumental pedagogy, music technology as well as study and performance of traditional, educational and contemporary wind band literature. The band and student groups also compete and travel for district and state music festivals.

## **Symphonic Band**

Length: Year  
Prerequisite: Concert Band, audition  
Entry Level: 10

Symphonic Band is a large ensemble consisting of wind and percussion instruments. This band is open to students, grades 10-12 that have met the requirements of the proficiency playing test and have the approval of the director. Rehearsals are oriented toward the seasonal performance demands of the group. Symphonic band is a combination of musical instruction and performance of school, community and state events. The class is an all-in-one incorporation of marching band, pep band, music appreciation, music history, music theory, aural training, instrumental pedagogy, music technology as well as study and performance of advanced, traditional and contemporary wind band literature. The band and student groups also compete and travel for district and state music festivals. Symphonic Band also may include student opportunities to tour, with funds raised by students.

## **Percussion Class**

Length: Year  
Prerequisite: Middle School Band and Director Approval  
Entry Level: 9

This class is designed to strengthen student's abilities on a variety of percussion instruments. Counting techniques, stick and mallet control, and ensemble playing will be stressed. Primary emphasis will be on reading musical notation as applied to melodic percussion instruments such as marimba, xylophone, vibraphone, etc. Percussion students will perform at band concerts as an ensemble. They will also assist Concert and Symphonic Band with percussion needs.

## **Bass (Boys)/Treble (Girls) Choir**

Length: Year  
Prerequisite: None  
Entry Level: 9 (no audition required)

Through this class the student will develop an understanding and application of good vocal technique, tone quality, and musical skills. This class seeks to improve student confidence in singing while increasing the knowledge of basic music reading skills, the ability to interpret/perform music symbols and music of many varied styles.

## **Concert Choir**

Length: Year  
Prerequisite: Audition (instructor approval)  
Entry Level: 10

Students in this class will develop choral leadership skills through independent and choral singing of advanced choral literature. The Concert Choir travels to different festivals throughout the year and is revered as the top choir among students and faculty in the Polson Schools. Students participate in advanced choral reading and interpretation, sing collegiate level vocal literature, and perform in many styles and languages, often without piano accompaniment.

## **Select Treble Choir**

Length: Year

Prerequisite: Audition

Entry Level: 10 (Grade 9 with instructor approval)

Throughout this class, singers will learn to adjust the color of their voices and improve their sight-reading skills and understanding of basic music theory. Singers will participate in concerts and festivals throughout the year with some travel involved. Students will increase the speed with which they perform and interpret music symbols and learn to sing in a stylistically correct manner



# MATHEMATICS

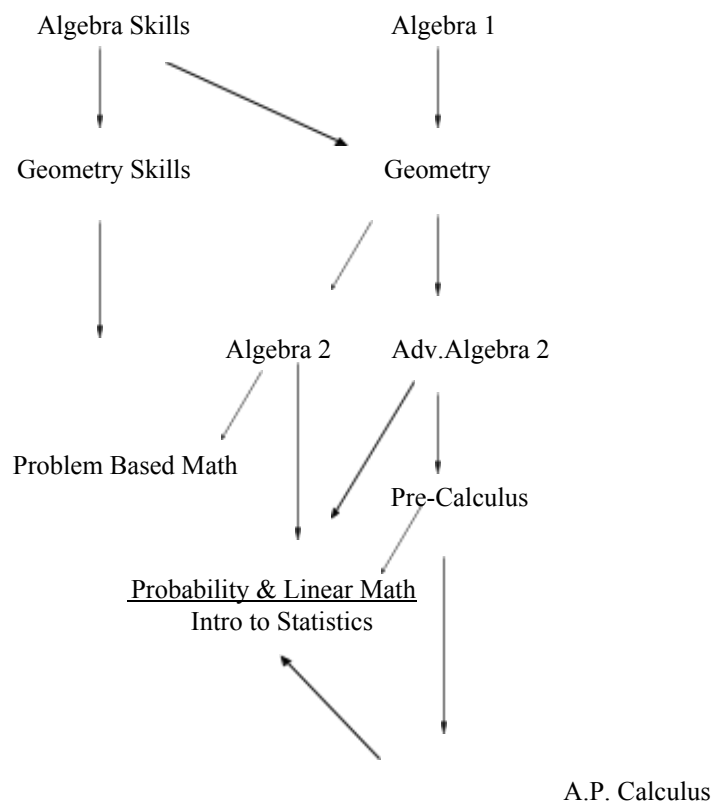
Two credits of math are required for graduation from PHS; however, the math entrance requirements for the Montana University System are: Three years of mathematics which shall include Algebra 1, Geometry, and Algebra 2. Students are strongly encouraged to take a math course in their senior year.

**Placement in math classes is dependent on student's success in previous math classes and teacher recommendation. Their success is determined by grades and semester final.**

Students who are mathematically talented may wish to take 5 credits of math during their high school career. Those students who want to take Calculus will need to take Geometry and Adv. Algebra 2 concurrently. Students who choose and are accepted to double up will be expected to take math all 4 years of their high school career.

## Math Courses Flowchart

---



## **Algebra Skills**

Length: Year  
Prerequisite: None  
Entry Level: 9 (teacher recommendation)

Algebra Skills will provide students with necessary algebra skills to be success in geometry skills. Topics will include simplifying and factoring algebraic expressions, solving equations graphing lines and solving systems of equations. Students will be expected to complete work in class.

## **Algebra (\*)**

Length: Year  
Prerequisite: None  
Entry Level: 9

This course offers an introduction to solving equations, systems of equations, inequalities, and graphing on the coordinate plane. Topics also include polynomial multiplication, factoring and simplifying rational expressions involving polynomials. Students will use real world applications to develop problem solving skills. They will participate in group work, mathematical explorations, and use computers and graphing calculators where appropriate.

## **Advanced Algebra 1 (\*)**

Length: Year  
Prerequisite: Teacher approval & placement test.  
Entry Level: 9

This course includes all of the Algebra 1 topics but will move at a faster pace than regular Algebra 1. Additional topics covered will be a full study of quadratic, radical and rational expressions and functions. It is the expectation that students who take Advanced Algebra will enroll in Math all 4 years of their high school career.

## **Geometry Skills**

Length: Year  
Prerequisite: Teacher Recommendation  
Entry Level: 10

This course offers an introduction to plane geometry concepts including angles, congruent, polygons, circles, areas, volumes and right triangle congruences. Geometry Skills is designed to teach and strengthen skills in logical reasoning and apply this approach to practical applications. Inductive and deductive reasoning skills are emphasized.

## **Geometry (\*)**

Length: Year  
Prerequisite: Algebra 1 and/or teacher approval  
Entry Level: 9

This course offers an introduction to plane geometry concepts including angles, congruent, polygons, circles, areas, volumes and right triangle trigonometry. Geometry is designed to teach and strengthen skills in logical reasoning and apply this approach to practical applications. The class is based on using discovery to learn geometric concepts. Inductive and deductive reasoning skills are emphasized. Students will also review basic concepts covered in Algebra I. They participate in group work, scientific and mathematical explorations, and use computers and graphing calculators where appropriate

### **Algebra 2 (\*)**

Length: Year

Prerequisite: Algebra 1, Geometry grade of C- and/or teacher approval

Entry Level: 10

This is a slower paced version of Adv. Algebra 2 designed for students who need to refine skills from previous courses as well as meet the math requirements for colleges. Students will review basic algebra skills and then study polynomial, rational, logarithmic and trigonometric functions. Other topics include vectors, sequences and series, conics, permutations, combinations and normal distributions. Students who excel in Algebra 2 may be allowed to enroll in Pre-Calculus if they pass the proficiency exam for Adv. Algebra 2. Student owned graphing calculator highly recommended

### **Adv. Algebra 2 (\*)**

Length: Year

Prerequisite: Algebra 1, Geometry grade of B- or higher and/or teacher approval

Entry Level: 10

This is a fast paced class designed to prepare students for further study in mathematics with the anticipated goal of enrolling in Pre-Calculus and/or A.P. Calculus. It will also meet the math entrance requirements for colleges. Students will do an in depth study of polynomial, rational, logarithmic and trigonometric functions. Other topics include vectors, sequences and series, conics, permutations, combinations, and normal distributions. This course is an extension of two successful years of Algebra 1 and Geometry. Students will participate in group work, mathematical explorations and will use graphing calculators where appropriate. Student owned graphing calculator highly recommended. \*\*This course is a prerequisite for Precalculus

### **Pre-Calculus (\*)**

Length: Year

Prerequisite: Algebra 2A- grade of B or higher and/or teacher approval.

Entry Level: 11

A more detailed analysis of Algebra 2A plus theory of equations, matrices, polar equations and graphs, descriptive statistics, and a complete course in trigonometry. Pre-Calculus covers all essential pre-calculus mathematics with an introduction to limits and the calculus of polynomial functions. Student owned graphing calculator highly recommended.

### **A.P. Calculus (\*)**

Length: Year

Prerequisite: Pre-Calculus with grade of B- or higher and/or teacher approval.

Entry Level: 12

This course consists of the study of derivatives and their applications to be followed by the study of integrals and their applications. Time will also be spent on transcendental functions and conic sections. The use of current technology will be emphasized. Student owned graphing calculator highly recommended.

### **Probability & Linear Math (\*)**

Length: 1<sup>st</sup> Semester

Prerequisite: Algebra 2 or Algebra 2A with grade of C- or higher and/or teacher approval

Entry Level: 11 or 12

Students will study topics they may have not previously seen in the other math courses, including graph theory, matrices, linear modeling, set theory, probability and some practical application of personal finance. Students will also participate in a practice ACT test and review material for the ACT/SAT will be completed. Student-owned TI-84 or TI-84+ highly recommended

### **Intro to Statistics (\*)**

Length: 2nd Semester

Prerequisite: Algebra 2 or Algebra 2A with grade of C- or higher and/or teacher approval

Entry Level: 11 or 12

Students will study the basics of descriptive statistics. This includes requirements of sampling, normal distribution, hypothesis testing, probability and probability distributions. Students will use technology to study statistics through real-life applications. Recommended for many students that plan on attending college. Statistics is a required course for many college majors. Student-owned TI-84 or TI-84+ highly recommended.

### **Probability & Linear Math (dual FVCC enrollment) (\*)**

Length: 1 Semester

Prerequisite: Algebra 2 or Algebra 2A with a grade of B- or higher, appropriate score on the MyMathTest assessment, and teacher approval.

Entry Level: 11 or 12

This course will cover systems on linear equations and matrix algebra including linear programming. An introduction

### **Intro to Statistics (dual FVCC enrollment) (\*)**

Length: Semester

Prerequisite: Passing grade in Prob. & Linear Math (dual enrollment) with a B- or higher, a score of 50 on the College Algebra portion of the COMPASS Test, and teacher approval.

Entry Level: 11 or 12

Graphical methods, measures of location and dispersion, probability, commonly used distributions, estimation, and tests of hypotheses through analysis of variance are introduced. Five major probability distributions are discussed: the binomial, normal, student's t, chi-square, and the F distribution. Students in this course will receive 0.5 credits of high school math and 3 Montana University System credits M115. Tuition costs apply. Student-owned TI-84 or TI-84+ high recommended.

# PHYSICAL EDUCATION & HEALTH

## Health

Length: Semester  
Prerequisite: None  
Level: 9, 10

Personal Health & Wellness class will empower students to identify their health risks, to examine their behaviors, and to come up with a plan designed to make health a bigger priority in their lives. Students will become smarter with making their health decisions, more knowledgeable about personal choices, and more active advocates for healthy changes in their community.

## Physical Education

Length: Semester  
Prerequisite: None  
Entry Level: 9

This required course teaches the importance of practicing a healthy lifestyle. Students will have the opportunity to develop skills in a variety of activities including individual, team, outdoor pursuits, and strength and conditioning. Basic fitness concepts are taught and students work toward improving cardiovascular fitness, muscular strength, agility, coordination, flexibility and balance to maintain their fitness levels.\*\*\* If a student has a temporary exemption from PE, that credit must be made up prior to graduation. If permanently exempt, 24 credits will still be required.

## Advanced Physical Education

Length: Year  
Prerequisite: "B" or better in past semester of PE and or instructor approval  
Entry Level: 9, 10

This course is designed for students who have or want to develop advanced physical strength and personal athletic ability and skills. The foundation of the class is based on physical conditioning, strength building through weight lifting, and advanced skill development in a variety of individual and team activities throughout the year, students will work to improve and maintain their fitness levels. (Co-Ed)

## Weight Training

Length: Semester  
Prerequisite: "B" or better in past semester of PE and/or instructor approval  
Entry Level: 11

This course is designed to provide students an opportunity to participate in both aerobic and strength conditioning through weight training with the emphasis on learning how to develop an individualized program for physical conditioning.

## Fitness

Length: Semester  
Prerequisite: Instructor approval  
Entry Level: 11

If you want to improve or maintain current level of fitness, this is the experience for you. As an active participant, opportunities to develop core muscular strength and endurance, coordination, agility, balance, and some cardiovascular fitness will be provided. We will utilize stability balls, bosu balls, bands, free weights and other various equipment and techniques. Both aspiring athletes and students wanting to improve muscle tone are encouraged to enroll

# SCIENCE

## Earth Science (\*)

Length: Year  
Prerequisite: None  
Entry Level: 9

This is an activity oriented science course focusing on the earth. Students will investigate such topics as; the earth's rocks and minerals, landforms, erosional processes, history, climate, weather, oceans and resources. Earth's place in the universe - its galaxies, stars, and planets, will also be explored.

## Biology (\*)

Length: Year  
Prerequisite: Earth Science  
Entry Level: 10

Biology is the study of life. Various living systems will be covered from an environmental, cellular and evolutionary perspective. Also included will be cell reproduction, molecular biology and genetics. There will be an emphasis on problem solving and application of the scientific method as we explore these topics.

## Chemistry (\*)

Length: Year  
Prerequisite: Biology Grade of C, Algebra 1  
Entry Level: 11

Chemistry is the study of the composition, structure, and properties of matter, as well as the changes that occur in matter. Units will include atomic structure, the periodic table, chemical bonding, ionic and molecular compounds, nomenclature, chemical reactions, stoichiometry, gases, liquids and aqueous solutions, thermochemistry, chemical kinetics, acids and bases, electrochemistry, and nuclear chemistry. This college-preparatory course will include the completion of weekly laboratory experiments.

## General Physics (\*)

Length: Year  
Prerequisite: Chemistry  
Entry Level: 12

The course curriculum will cover the following fields of study: (1) *Mechanics*, which involves motion, forces, momentum, energy, and gravitation; (2) *Wave Physics*, which includes sound, light, and other wave-related phenomena; (3) *Electromagnetism*, which investigates electricity, simple circuits, and magnetism; and (4) *Modern Physics*, which includes relativity and quantum mechanics. Students will engage in mathematical problem-solving activities and numerous laboratory investigations throughout the course.

## A.P. Physics 1 Algebra-Based w/ Lab (\*)

Length: Year, 2 period block (2 credit course)  
Prerequisites: Chemistry, Algebra 2  
Entry Level: 12

AP Physics 1 Algebra-Based is the equivalent to an introductory college course in algebra-based physics. The course covers kinematics, dynamics, circular motion, gravitation, simple harmonic motion, momentum and impulse, work and energy, rotational motion and dynamics, mechanical waves and sound, electrostatics and DC circuits. Through inquiry-based learning, students will develop critical-thinking and reasoning skills. The purpose of this course is to prepare students for the *AP Physics 1 Algebra-Based exam*. This course is intended for students planning to pursue degrees in engineering, the physical sciences (chemistry, physics, geology, etc.), mathematics, or other technology-related fields.

### **Astronomy I (\*)**

Length: Semester (fall odd years)  
Prerequisite: Earth Science enrolled in or completed Biology, 2.5 GPA  
Entry Level: 12 & grade 11 students enrolled in Health Occupations or graduating early.

What is space life? How can humans go there? In this class, students will look at what steps are taken so that humans can go to and survive in space. How do we learn about objects in space that are unfathomably far away? This course will explore how astronomers learn about space by using gravity, light, telescopes and observatories. Finally, students will develop a fundamental understanding of stars.

### **Astronomy II (\*)**

Length: Semester (fall even years)  
Prerequisite: Earth Science enrolled in or completed Biology, 2.5 GPA  
Entry Level: 12 & grade 11 students enrolled in Health Occupations or graduating early.

Black holes, colliding galaxies, Cosmology, these are huge objects and huge ideas. Students will learn about the formation and impact of these objects. The Earth is a unique planet. How do we use Earth to learn about other planets in our solar system? What about planets that orbit other stars? Is there any type of life somewhere other than Earth? How do we find out? Robotic spacecraft are powerful tool to answer many of these questions, students will explore these spacecraft.

### **Environmental Science(\*)**

Length: Semester (spring)  
Prerequisite: Earth Science, enrolled or completed Biology, 2.5 GPA  
Entry Level: 10, 11, 12

This course will provide a basic introduction to the field of natural resources managements. Natural resources include both renewable resources (like soil, air, water, forests and wildlife) and nonrenewable resources (like fossil fuels, metal and minerals). When trying to maintain conservation and manage these resources it requires an understanding of the interactions between natural (like ecology) and social (like economics, politics and planning) processes.

### **Anatomy & Physiology I (\*)**

Length: Semester  
Prerequisite: Completed Biology with a B  
Entry Level: 12 & Juniors concurrently enrolled in the Health Occupations program or graduating early.

Physiology will include a comprehensive study of the skeletal system and the muscular system of the human body. Other systems of the body will be covered as special topics of discussion on a weekly basis. The course will conclude with a dissection and comparative analysis of fetal pig anatomy.

### **Anatomy & Physiology II (\*)**

Length: Semester  
Prerequisite: Anatomy & Physiology I  
Entry Level: 12 & Juniors concurrently enrolled in the Health Occupations program or graduating early.

This course will cover topics that include the normal response of a human body to exercise. The students will study how a body responds to strenuous activity, how muscles, blood circulation, breathing and body heat are affected. How training and diet can enhance these responses by your body will also be covered. This class will also cover basic first aid along with athletic injuries and prevention of these injuries.

### **Wildlife Biolog(\*)**

Length: Semester  
Prerequisite: Biology  
Entry Level: 11

The fine autumn weather will allow us to study outdoor topics such as Entomology (insect collecting and identifying) and Botany (plant collecting and identifying). When the cold weather brings us indoors we may finish the semester with various Life Science lab activities and/or units on the cultural and medicinal use of plants and/or independent Life Science research projects.

### **Zoology (\*)**

Length: Semester  
Prerequisite: Biology  
Entry Level: 11

Zoology will be a highly lab oriented tour of the animal kingdom. We will begin our exploration at the level of the lowly sponges and work our way up through ever more complex phyla until we reach the vertebrates. This course will also provide the student with the background terminology and dissection skills that will allow a smooth transition to the Anatomy & Physiology courses.

### **Forensic Science**

Length: Semester  
Prerequisite: Biology  
Entry Level: 11

Forensics is the science of solving crimes. Students will learn and apply scientific techniques and interviewing skills to establish motives, collect circumstantial evidence, identify trace materials, and match identifies. Topics will include fingerprinting, DNA analysis, hair and fiber comparisons, blood spatter, toxicology, anthropology, entomology, ballistics, medical examination, crime scene investigation, and much more.



## Science Courses needed for future profession

\*Indicates a required science course for all Polson High School Students

	Earth Sci.*	Bio-logy*	Wild life Bio-logy	Zoo-logy	Enviro-nment al	Ana-tomy 1 & 2	Chem-istry	Physic /Engin eering	AP Physic	Astro-nomy 1 & 2
Doctor or Physician's Assist.	X	X				X	X		X	
Nurse or CNA	X	X				X	X			
Pharmacist	X	X				X	X			
Physical, Occupational, or speech Therapist	X	X				X	X		X	
Dentist, Dental Assistant or Hygienist	X	X				X	X			
Exercise Science	X	X				X	X			
EMT/Paramedic	X	X				X	X			
Architect	X	X						X	X	
Hydrology	X	X			X		X		X	
Engineer	X	X					X	X	X	
Veterinarian	X	X		X		X	X			
Wildlife Management	X	X	X	X	X					
Park Ranger/Game Warden	X	X	X	X	X					
Environmental Studies	X	X	X	X	X		X			
Construction	X	X						X		
Aviation/Aeronautics	X	X						X	X	X
Meteorologist	X	X			X		X		X	

# SOCIAL STUDIES

One credit of U.S. History or A.P. US History and .5 credit of US Government plus .5 credit of a Senior Social Studies elective or one credit of A.P. Government is required for graduation. One credit in Global Issues, Western Civilization, or World History is required for admission to the Montana University System.

## **U.S. History (\*)**

Length: Year  
Prerequisite: None  
Entry Level: 11

U.S. History covers the establishment of colonies in North America to modern times. The course includes such topics as the English heritage, independence, formation of the constitution, manifest destiny, sectionalism, Civil War reconstruction and 20th century developments.

## **A.P. U.S. History (\*)**

Length: Year  
Prerequisite: 3.25 in Social Studies courses & approved application  
*\*Must be taken with A.P. Literature & Composition\**  
Entry Level: 11

This year-long class will help students improve their ability to critically evaluate scholarly work and methods in the field of American History. The AP US History curriculum will reflect national standards for college-level work in order to prepare students to take the AP US History Exam in the spring. Students must be prepared for a rigorous course with a strong emphasis on reading and writing. Students must submit an application and receive departmental approval. Exceptions to the GPA requirement will be made on an individual basis.

## **Government (\*)**

Length: Semester  
Prerequisite: None  
Entry Level: 12

This course is designed to familiarize the students with major problems in our American Democracy. A comparison will be made of how these philosophies are applied in the real world today by competing political/economic systems. The students will also become familiar with the actual workings of American government at its various levels. The purpose is to help the student prepare him/herself to become an active, effective member of our free society.

## **A.P. Government (\*)**Year

Prerequisite: U.S. History, 3.25 GPA in Social Studies & approved application  
Entry Level: 12

The Advanced Placement Government course will help students improve their ability to critically evaluate scholarly works and methods and to synthesize data relating to political science. Students will also improve their writing skills and their ability to present arguments. The course will prepare students for the Advanced Placement test for college credit, should they choose to take the exam.

### **Global Issues (\*)**

Length: Year  
Prerequisite: None  
Entry Level: 9

This course is designed to provide students the opportunity to better understand current global trends by focusing on major 20<sup>th</sup> century events with emphasis on the Holocaust, Middle East Peace, Cold War, Nationalism in India, and South African Apartheid.

### **World History (\*)**

Length: Year  
Prerequisite: None  
Entry Level: 9

World History covers the forces of change in history from the advent of written history to the mid-Twentieth Century. Through examination of the changes in economic, political, social, religious, and philosophical systems, students will be challenged to think for themselves about the history of mankind. Emphasis is placed upon the motivations, provocations, purpose and result of change throughout history.

### **Psychology I**

Length: Semester  
Prerequisite: None  
Entry Level: 12

In Psychology, students will explore introductory topics such as: learning, memory, sensation and perception, personality, life-span development, physiological basis of behavior, stress and health, psychological disorders, social psychology, and research methods.

### **Criminology**

Length: Semester  
Prerequisite: None  
Entry Level: 12

This course is designed to familiarize students with the concepts, theories, and practices present in the study of criminology. Understanding crimes, as well as consequences, allows students to gain a further civic understanding of our legal system and its impact on society as well as the effects of crime on victims, the criminal, and society. The course will also encourage students to determine what causes crimes by examining different sociological, psychological, and biological theories behind criminal behavior.

### **History of the Cold War**

Length: Semester  
Prerequisite: None  
Entry Level: 12

This course will examine the roots, course, and results of the international conflict between the US and USSR in the last half of the Twentieth Century. Students will examine issues such as the space race, espionage, nuclear weapons, economics, and civil rights to gain an understanding of the continuing impact of this global conflict on today's world.

## **Western Civilization I (\*)**

(Dual enrollment with FVCC)

Length: Semester  
Prerequisite: Completion of the COMPASS test and teacher approval  
Entry Level: 11 or 12

Prehistoric days to the mid-15<sup>th</sup> century, with emphasis on the political, social, cultural, and economic aspects of the great civilizations of the earlier period, and the revolutions in politics, commerce, industry and science which ushered in the modern era. Tuition costs do apply.

## **Western Civilization II (\*)**

(Dual enrollment with FVCC)

Length: Semester  
Prerequisite: Successful completion of Western Civilization, COMPASS test and teacher approval  
Entry Level: 11 or 12

Early modern period to the present with emphasis on the rise of national systems, and the on-going revolutions in Western Civilization with attendant philosophic, economic and political conflicts and influences. Tuition costs will apply.

# SPECIAL PROGRAMS

A number of special courses or programs are available to students. All require prior approval to register for them. Some qualify for graduation credit; others do not. Advanced Studies, Special Education Assistant, Independent Study, School to Work and LINK receive high school credit. Office aides and library aides do not receive credit.

## **Office Aide – NO CREDIT**

Length: Semester  
Prerequisite: 2.5 grade point average, good attendance standing, office staff approval  
Entry Level: 10

This program is designed for the student who wishes to learn the skills involved in the day to day operation of a professional office environment. These skills include: the exercise of communication skills in person and telephonically with students, parents, teachers and the general public, assisting in the keeping of accurate records dealing with all facets of attendance, the development of positive relationships with co-workers, hone character traits of punctuality, dependability and trustworthiness and develop skills on a variety of office machines. \*\* No Credit \*\*

## **Library Aide – NO CREDIT**

Length: Semester  
Prerequisite: Library Staff Approval  
Entry Level: 9

Students who would like to learn more about the library and are interested in working with students and staff should apply. Library aides assist the library staff with many essential tasks. Everyday duties include re-shelving books and magazines, stocking supplies, operating the copiers and printers, and completing various tasks assigned by the library staff. Punctuality, dependability and communication skills are encouraged and developed in this position.

\*\*No Credit\*\*

## **Advanced Studies**

Length: Semester or Year  
Prerequisite: Approved Application  
Entry Level: 9

Exceptional students will delve into self-directed study and/or research. All projects must have a final product for display, presentation, or publication.

## **Special Education Assistant**

Length: Semester or Year  
Prerequisite: Approved Application  
Entry Level: 9

Do you like to laugh and have fun? Do you like helping others? Are interested in Education, Childcare, Psychology, or Medical fields? Then this is the class for you. As an assistant you will be working with high school special education students, who have disabilities, helping them with Reading, Writing, Math, Science, PE, elective classes, school and community jobs, Special Olympics, Life Skills curriculum, and so much more. Due to each class period having different requirements you may elect to work more than one class period and still earn credit.

To earn credit in your first semester you will complete an independent study course to learn about the student's you are working with, write a paper, treat the class as a professional opportunity, keep confidential all sensitive material you may be exposed to, be punctual and dependable, be courteous, cooperative and willing to assist the teacher and Paraprofessionals, and follow all rules of the classroom.

After your first semester, you will write a paper or create a lesson plan, treat the class as a professional opportunity, keep confidential all sensitive material you may be exposed to, be punctual and dependable, be courteous, cooperative and will to assist the teacher and Paraprofessionals, and follow the rules of the classroom. Students, who do not need the credit, may choose to use it as a SERVE project.

## **Montana Digital Academy-Original Credit Courses**

Length: Semester  
Prerequisite: Counselor Approval  
Entry Level 9

The Montana Digital Academy (MTDA) provides innovative online coursework to Montana's K-12 students 24 hours a day 7 days a week. MTDA offers many online high school courses ranging from core subject areas to unique electives. The courses are delivered via the Internet and are available to students throughout the entire state of Montana. Course content is taught by Montana-licensed, qualified instructors and aligned to state educational standards, including Indian Education for All. MTDA will provide the final course grades and PHS will grant credit to students passing with at least a 60%. MTDA original credit courses may be used to meet Honors Curriculum requirements with counselor approval.

## **Montana Digital Academy-Credit Recovery**

Length: Semester  
Prerequisite: Counselor placement only  
Entry Level: 10

Students who fail required classes will receive a recommendation from their classroom teacher as to whether they should retake the class or enroll in credit recovery. Students who have been recommended by their classroom teacher to attend credit recovery need to first meet with their counselor for a referral to the program. Credit recovery must be completed in the credit recovery classroom. When scheduled in a credit recovery class, students are expected to complete the coursework within the 16 week term. Adequate weekly progress is a requirement for continued enrollment in credit recovery. Classes not completed during the term will not receive credit and must be started over the following term.

## **Independent Study**

Length: Semester  
Prerequisite: Approved application and “B” work average in related course work.  
Entry Level: 11

Independent Study allows students to go beyond the regular course of study under the supervision of a faculty member. A student may be scheduled into Independent Study to do advanced work on a project, to work in specialty areas, such as shops or labs, to receive advanced training in a particular field, or to do academic research. Students must have semester grades of a “B” or better in related courses and submit an Independent Study Plan for approval.

### **LINK Leadership**

Length: Semester or Year  
Prerequisite: Admittance into LINK program  
Entry Level: 11, 12

This lab type course is designed to give students leadership experience in planning and carrying out student body activities for the year. Students will be assigned small groups of freshmen to mentor throughout the school year and be responsible for planning homecoming activities, assemblies, and activities designed to promote school spirit and communication between students, staff and community. Direct instruction in leadership pertaining to leadership techniques, team building, publicity, program planning budget procedures, discussion, speaking and listening skill will take place.

### **School to Work**

Length: Semester  
Prerequisite: none  
Entry Level: 11

The School to Work Program provides students with hands-on experiences that enhance their learning and assist them in developing professional work-place skills. By connecting the classroom to the “real world”, this program also helps students explore their skills and abilities in the context of career options. Students are required to complete a minimum of 90 hours of work experience during the term and complete all of the requisite paperwork.

### **Senior Release**

Length: Semester  
Prerequisite: Approved Application  
Entry Level: 12

Seniors who have attained 19 credits, are passing, all classes, have completed the required application, and have parental permission may register for Senior Release. There is no guarantee that students will be granted Senior Release during the period(s) they request. Senior Release will only be allowed during periods 1 or 7. Senior release may be taken during period 6 if the student is in an early bird course. Students granted Senior Release are expected to leave campus. Those who do not do this or utilize an appropriate study area (library) will lose their Senior Release and be placed in a study support.

### **SERVE Projects (NO CREDIT)**

Length: Semester  
Prerequisite: Approved Application  
Entry Level: 9

SERVE Projects are an excellent way to get involved, to help others, and to address community needs. When applying for jobs, colleges, and scholarships, it is helpful to have documented volunteering experience. In order to officially complete a SERVE project and to have volunteer hours listed on their PHS transcript, students must identify a community need or find an organization in need of volunteers, submit a SERVE Project Proposal on the PHS website, volunteer and document at least 20 hours, and type up and submit a reflection about their experience. More information is available in the PHS Counseling Office.

## **Correspondence Study**

Length: Semester  
Prerequisite: Approved Application  
Entry Level: 9

A Student may apply two credits of correspondence study from an accredited school toward graduation requirements. Correspondence credit may be used to meet the Honors Curriculum requirements with counselor approval or to meet eligibility requirements for activities and athletics. Students completing three college credits will be granted .5 credit toward graduation.



## **Construction Tech I**

Length: Semester  
Prerequisite: None  
Entry Level: 9

Construction Technology is a course designed for beginning to intermediate skill levels in basic woodworking. This course is designed to accommodate those who have taken middle school woods classes, as well as those who have no background in woodworking. Students will learn to properly identify and safely operate tools and shop equipment. Class will cover wood classification, joinery, finishes and project planning and design. Students will then build a wood project of their choice.

## **Construction Tech II**

Length: Semester  
Prerequisite: Construction Tech I  
Entry Level: 9

Construction Technology II is a continuation of Construction Technology I. First quarter of the semester will cover welding. Second quarter students will be able to build a welding project, woods project, or finish the project they started in Construction Technology I. Welding will cover shielded metal-arc welding, wire-feed welding, oxy-acetylene welding, plasma cutting, and oxy-acetylene cutting.

## **Energy Technology: Power & Transportation**

Length: Semester  
Prerequisite: None  
Entry Level: 9

This course will provide an overview of small engines, energy, power, and transportation. Small engines will include lab work. This course will also include many hands on problem solving activities, such as CO2 Cars, magnetic levitation vehicles, hydraulics, and bridge construction.

## **Custom Production**

Length: Year  
Prerequisite: Construction I & II with a "C+" or better and consent of instructor. In order to retake previous letter grade of B- must be earned.  
Entry Level: 10

Custom Production is an advanced construction class. Students will develop advanced skills in woodworking, welding, design and planning. Students will have the opportunity to complete individual projects of their own choice, as well as participate in school building projects. Students must be self-motivated to succeed in this class.

## **Engineering Design 1**

Length: Semester  
Prerequisite: None  
Entry Level: 9-12

The class focuses will be on basic 2D drawings, orthographic drawings, and 3D drawings using AutoCAD software. Students will also learn the basic drawing commands in Torchmate in order to create a project with the CNC. Students will get the opportunity to use the laser engraver, 3D printer, and CNC plasma cutter.

## **Engineering Design 2**

Length: Semester

Prerequisite: Engineering Design 1 with a B or better

Entry Level: 9-12

This class introduces students to the engineering profession where they will be creative and solve problems through exercises, activities, and projects. They will use Autodesk CAD programs, to model and apply the design process for a design they will create. Students use the 3D printer and laser engraver and a metal CNC to produce their products. Major Lesson Plan Units 1-Torchmate=Metal CNC project 2-Laser Engraver project 3-3-D printer project 4-Final project=a written tutorial on a complex multiple-step drawing in a Autodesk CAD programs.

# World Languages

## Spanish I (\*)

Length: Year  
Prerequisite: "C" or better in English classes  
Entry Level: 9

The first year of Spanish covers the basic skills of language learning: listening, reading, writing and speaking. Emphasis is on understanding the sounds, vocabulary, grammar, and culture of the Spanish-speaking world. Students will become familiar with the useful, everyday language associated with school, sports, recreation, family, occupations, telling time, etc. They will acquire the elementary listening, reading, writing and speaking skills necessary to understand and express related ideas on these subjects. Students will strive for a performance proficiency rating of intermediate Low by the end of the year.

## Spanish II (\*)

Length: Year  
Prerequisite: 70% or better in all assessment categories in Spanish I (tests/quizzes, boletos, projects, and participation), entrance examination, teacher recommendation.  
Entry Level: 10

The second year course is a continuation of Spanish I with a deeper emphasis on all four language skills using a variety of formats to introduce new vocabulary, grammar, and culture. Students will become familiar with the useful, everyday language associated with health and doctor visits, summer and winter activities, festivals, travel and vacationing, restaurants, and cultural amusement such as movies, actors, art, museums, and plays. . They will be able to communicate about a variety of topics in the present and past tenses. Students will strive for a performance proficiency rating of Intermediate Mid by the end of the year.

## Spanish III (\*)

Length: Year  
Prerequisite: 70% or better in all assessment categories in Spanish I (tests/quizzes, boletos, projects, and participation),  
entrance examination, teacher recommendation.  
Entry Level: 11

Students are expected to demonstrate advanced ability in all four language skills through increased independent study. Course work will include a variety of resources, including textbook, short novel with companion video, short stories, poetry, Spanish-language films, and current news media literature. Students will strive for a performance proficiency rating of Intermediate Mid to Intermediate High by the end of the year.

## Spanish IV (\*)

Length: Year  
Prerequisite: Spanish III, teacher recommendation  
Entry Level: 12

Continuation of Spanish III curriculum. Course work includes a variety of resources, including textbook, advanced reading and listening material, excerpts from the novel Don Quixote by Cervantes, Spanish-language films, current news media literature, and other sources centered on various cultural topics. Students will strive for a performance proficiency rating on Intermediate High by the end of the year.