

## **FINE ARTS**

### **Drawing and Painting**

In this class you will be not only be drawing and painting but will also get the opportunity to work with clay. Projects include folder designs where you learn about composition, grid drawings that help you understand proportion and shading, border drawings that teaches you about contrast. We also do a half and half drawing where you learn how to draw faces. We also work with clay and build miniatures, we do painting techniques and an actual painting. Lastly, we build clay bowls.

### **Native Art**

In native art you will be creating pieces that originated from or have a Native American theme. Some projects include learning how to bead medallions, building clay miniatures, and weaving bowls. We also learn how to paint and then do a painting. We learn about ledger art and then create one, lastly, we get to paint on animal skulls.

### **Intro to Art**

This class focuses on art projects for beginners. We learn about composition in the folder project, we do a color wheel project, learn how to draw eyes and about shading, learn about lines with zentangles, we do miniatures in clay, we learn how to paint and do an actual painting, then we make clay vessels.

### **Art II**

We do a multitude of different projects in art II. First, we learn about composition in a folder project, then we learn how to use shadowing and contrast with your initials. We learn how to do printmaking, and we build clay miniatures. We also learn how to carve on metal which is called repousse. We learn how to paint and then do an actual painting. Lastly, we build plaques out of clay.

### **Guitar**

#### **Spring Semester**

In this class, students will learn the basics of playing guitar, from chords to fingerpicking, from classical to contemporary. There is generally one performance per semester along with district music festival in the Spring semester.

### **Piano**

#### **Fall Semester**

In this class, students will learn how to read music and play it on a keyboard. There will be performance opportunities that students will be encouraged to participate in, but it is not required.

### **Choir**

Students will learn how correctly use their singing voice to produce sound. They will apply their voice in singing both sacred, secular, and contemporary songs. There is on concert per semester as well as performance for district music festival.

## **Band**

This class is generally for beginners or those that With advice from Director, students will choose an instrument to play. Through group practice students will explore the basics of music including scales, rhythms, notes, expression, and articulation. Repertoire will include popular band songs and repertoire. There is one concert per semester, plus district music festival. Many members choose to participate in Pep Band and play for home sporting events and travel with the teams to district, divisional, and state tournaments. have not played for long and need a smaller setting to really become proficient with the basics or playing.

## **Drumline**

### **Should have previous music experince in MS or HS**

With advice from Director, students will choose an instrument to play. Through group practice students will explore the basics of music including scales, rhythms, notes, expression, and articulation. Repertoire will include popular band songs and repertoire. There is one concert per semester, plus district music festival. Many members choose to participate in Pep Band and play for home sporting events and travel with the teams to district, divisional, and state tournaments.

## **Music Appreciation**

This class will serve as the Fine Arts requirement for graduation. Students will learn how to read and play music, and about the history of music. There is no performing requirement.

# **TECHNOLOGY**

## **Computer Technology**

Students learn the hardware and software parts that make up computer systems. Students learn about cable, ports and computer connectivity. Students also learn basic computer skills including word processing, spreadsheets and presentations.

## **Audio Production**

Students learn about audio waves, bit rates and sample rates. They learn about microphones, MIDI and Instruments. They learn about digital audio workstations (DAW), software synths and adding effects. Mixing and mastering using dynamics tools is also covered. Students learn about adding audio sounds to videos as well.

## **Video Production**

Students learn the basics of cameras (ISO, Aperture and Shutter speed). Students will get experiece with Video Cameras and DSLR's. Students will learn about Lighting, Audio and Camera Angles. Postproduction is experienced in Davinci Resolve which is a free software that anyone can download for free.

## **Digital Media**

Students learn about the importance of digital media in the world we live in as well as various types of mediums including photography, 3D printing, web page creation and animation. Students will learn the basics of cameras (ISO, Aperture and Shutter speed) and demonstrate their understanding be creating a webpage portfolio showcasing their photography.

## **Database Applications**

Database Application courses provide students with an understanding of database development, modeling, design, and normalization. These courses typically cover such topics as SELECT statements, data definition, manipulation, control languages, records, and tables. In these courses, students may use Oracle WebDB, SQL, PL/SQL, SPSS, and SAS and may prepare for certification.

## **Web Page Design**

Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.

## **Computer Programming**

Computer Programming courses provide students with the knowledge and skills necessary to construct computer programs in one or more languages. Computer coding and program structure are often introduced with the BASIC language, but other computer languages, such as Visual Basic (VB), Java, Pascal, C++, and COBOL, may be used instead. Initially, students learn to structure, create, document, and debug computer programs, and as they progress, more emphasis is placed on design, style, clarity, and efficiency. Students may apply the skills they learn to relevant applications such as modeling, data management, graphics, and text-processing.

## **IT Essentials: PC Hardware and Software**

IT Essentials: PC Hardware and Software courses provide students with in-depth exposure to computer hardware and operating systems. Course topics include the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Students learn to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition, these courses introduce students to networking and often prepare them for industry certification.

# **VOCATIONAL**

## **Agriculture 1 & 2**

**Year Long course      9th-10th grade or instructor approval**

This course is structured to enable all students to have a variety of experiences that will provide an overview of the many fields of agriculture and Natural resources so that the student may continue through a sequence of courses throughout the high school Agriculture program. The knowledge and skills the student develops will be used in future courses within the program. The Class will also develop basic understanding of the National FFA. Participation in the FFA is encouraged but is not mandatory.

## **Agriculture 3 & 4**

**Year Long Course   Must Pass Ag 1 & 2   11th-12th grade or instructor approval   Dual Credit Option with Miles Community College 1 Credit**

This course is designed to introduce the student to a variety of construction techniques used in home and building construction. Basic principles will be taught in the classroom with major emphasis on frame construction. Students will learn basic terminology used in the construction industry and be exposed to variations in building design and construction. Proper tool operation and safety is stressed, as there is an inherent risk involved in the construction field. Students will be exposed to basic plan layouts and receive instruction in plan reading. The class intent is to complete one group building project through the course of the semester. Other course content will include concrete, roofing materials and other building materials. Students enrolling in this course should have the ability to add and subtract fractions and have a basic understanding of geometry. Participation in the FFA is encouraged but is not mandatory.

## **Practical Woodworking**

**Year Long Course    9th-12th    No Prerequisite**

Basic woodworking skills for everyday life. A great way to test out woodworking to see if it is something that you'd like to learn more about.

## **Principles of Agriculture Animal Science**

**Year Long Course    9th-12th    No Prerequisite**

A course designed to engage students in hands-on laboratories and activities to explore the world of Animal Agriculture. Students will study variety of animals and the following areas of these animals: anatomy, physiology, behavior, reproduction, health selection and marketing of animals. Participation in the FFA is encouraged but is not mandatory.

## **Agriculture Construction**

**1 semester        No prerequisite**

This course is designed to introduce the student to a variety of construction techniques used in home and building construction. Basic principles will be taught in the classroom with major emphasis on frame construction. Students will learn basic terminology used in the construction industry and be exposed to variations in building design and construction. Proper tool operation and safety is stressed, as there is an inherent risk involved in the construction field. Students will be exposed to basic plan layouts and receive instruction in plan reading. The class intent is to complete one group building project through the course of the semester. Other course content will include concrete, roofing materials and other building materials. Students enrolling in this course should have the ability to add and subtract fractions and have a basic understanding of geometry. Participation in the FFA is encouraged but is not mandatory.

## **Agriculture Woodworking**

**1 semester /2 semester option                      9th -12th grades**

Students are able to learn the basics of carpentry and working with both hand and power tools. Students will be able to read and develop their own plans. Students will work on various projects that will let them develop as well as build on carpentry skills and other skills that will be taught throughout the course time.

## **Automotive Mechanics**

**Year Long Course, No pre-requisite**

This course is designed to provide you with the fundamental knowledge and experience in owning and maintaining an automobile. Throughout this course you will learn how to make economical decisions and take preventative measures to enhance the overall satisfaction of being an automotive consumer. All of this is done through a combination of in class learning and hands on lab activities which are performed within our automotive shop.

## **Metalworking**

**Year Long Course, No pre-requisite**

This course is designed to provide you with a broad experience in metalworking through the use of tools, machines, and materials that are basic to the metalworking industry. We will cover both hand and machine-tool operations, and supply background knowledge on industrial equipment and processes. Some of the processes we will cover include multiple forms of welding, torch cutting and CNC machine operations. We will emphasize the important place metals occupy in our everyday lives. Throughout this course we will also explore numerous metalworking career opportunities.

## **Practical Automotive**

**Year Long Course    9th-12th    No Prerequisite**

Basic automotive skills for everyday life. How to change oil, tires and so forth. A great way to test out woodworking to see if it is something that you'd like to learn more about or just learn skills that you'll need as an adult.

## **Advanced Fabrication/Automotive**

**Year Long Course, Pre-requisite Automotive Mechanics and/or Metalworking**

This course is designed to build off the foundational information provided in our automotive mechanics and metalworking classes. Our main focus will be on large-scale hands-on projects which allow us to go more in depth on many of processes that are covered in the pre-requisite classes. We will cover the latest developments in the automotive and metalworking industries including OBD-II diagnostics and CNC machine operations. This course is student driven and provides a hands-on project-based learning environment.

## **Practical Family & Consumer Science**

**Year Long Course    9th-12th    No Prerequisite**

Learn about the basics of adult life. Learn about taxes, credit, balancing a check book, how to apply for a job and so forth.

## **Family & Consumer Science**

In High School FCS, students will touch on all areas of Family and Consumer Sciences; child development, career exploration, basic personal/family finances and consumerism, food and nutrition, textiles/sewing, developing positive relationships and all other things life skills related. Students will focus more in the areas of the principles of basic food preparation, meal planning, meal preparation and table service. Additional topics discussed are: consumerism, basic textiles and sewing, food and nutrition, and career exploration. The goal of Family and Consumer Sciences 1 (FCS 1) is to teach useful skills; but more importantly, prepare students for success in life in all aspects and to promote social, emotional, intellectual, and physical well-being.

## **Cultural Foods**

**Year Long Course**

This course will explore the food, culture, customs and history from various countries. The countries studied will depend on the cultural background and interests of the class. Class research/presentation projects investigating genetic health concerns, foods and their effect on maintaining a healthy body are major projects of this class. Students will also build on the food preparation skills and explore the more unique procedures of preparing cultural cuisine.

## **Foods I**

**Must have passed FCS I    10th-12th grades**

Students will study foods by classifications and may include topics such as appetizers, pies, cakes, meat, poultry, foreign cookery, yeast breads, fruits and vegetables. Class activities will include small projects and food laboratory experiences as well as research and background knowledge related to the various food topics.



## **Intro to Textiles I**

### **Must have passed FCS I 10th-12th grades**

We will build on the basic construction skills learned in FCS I. You will add more advanced skills to your seam sample portfolio, such as zippers, ruffles, rolled hems, and alterations! You will also explore your sewing/beading creativity! You will learn how to use the Serger, embroidery machine, and how to make something new from something old. Projects and highlights of this course include constructing a beaded wristlet/lanyard and Ribbon Skirts/Shirts.

## **Adulting 101: Adult Roles & Responsibilities**

### **Fall Semester Must have passed FCS I 11th-12th grades**

Do you need to learn how to Adult? Making the transition to living independently can be exciting and a bit scary. What knowledge do you need to learn in order to have a successful transition from living dependently, with your family, to living on your own? This course is for you! The management and the decision making process will be applied to the areas of career choice/earning potential, time management, budgeting and money management, housing choices and cost, consumerism, and time and money management in the kitchen. There will be a bit of the Family Finance and Consumer Education material here as well, depending on class exposure and needs.

## **Family Finance & Consumer Education**

### **Spring Semester Must have passed FCS I 11th-12th grades**

This class is a study of personal and family finance= Consumer Math. This course helps students understand what their options are in buying, selling, and saving. This class helps students see they probably already have the mathematical skills needed to be "survivors" in the marketplace as well as see the point of the skills they are asked to master by showing students the practical applications of mathematics in everyday life. That is motivation! The class is a study of personal and family finance with emphasis on management in relation to goals and resources and the application of these principles to households. Consumer education concepts, resources, and programs.

# **NON-SPECIFIC ELECTIVES**

## **Jobs for Montana Graduates (JMG)**

Jobs for Montana's Graduates is a program funded by the Montana Department of Labor and Industry with the main purpose of preparing middle and high school students for the workforce. JMG actively promotes student success by connecting students with local employers and teaching them workplace professional skills, leadership skills, and career readiness. Through nurturing their growth, JMG assists in empowering and mobilizing students to stay in school, graduate and be ready to enter the workforce as capable adults.

## **Native Singing**

This course is intended to teach students the basic art of Native American song and drumming. Students will be introduced to Assiniboiné and Sioux language, various songs, and drumming techniques.

## **Native Language**

Designed to introduce students to American Indian Language and culture, American Indian Language I courses prepare students to communicate authentically in an American Indian Language by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of the cultures associated with the language of study.

## **Weightlifting**

Strength and Conditioning is a physical education class that will address four components of physical fitness. These components include: Cardiorespiratory endurance, muscular endurance, muscular strength, and flexibility. These components will be addressed through weightlifting, aerobic fitness activities, plyometric, and stretching. Must participate in 2 or more sports or get approval.

## **World History**

**Year Long Course    This class can go towards your Social Studies credit if you fail World Geography Freshmen year**

This course provides students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History—Overview courses may include geographical studies, but often these components are not as explicitly taught as geography

## **Yearbook/Newspaper**

Course Objectives In order to capture and record the current school year for enjoyment and reference in the future, students will:

- write copy and captions in appropriate journalistic style for yearbook
- use good photojournalism techniques
- design a professional, attractive theme-based yearbook
- write effective headlines and captions
- edit, proofread and evaluate their own and others' work
- work cooperatively within time constraints (DEADLINES) and budget limitations
- learn and use effective sales and promotional techniques.

Out of class and after school, students will shoot digital photos, sell and design advertising, and distribute yearbook order forms.

## **Anatomy & Physiology (A&P)**

**Year Long Course    11th-12th grades**

Anatomy and Physiology presents the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on).

## **Pre-Calculus**

**Year Long Course    11th-12th grades**

Pre-Calculus combines the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

## **Calculus**

**Year Long Course    Must have successfully passed Pre-Calculus**

Calculus includes the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus

## **ARTZ 221 PAINTING I**

### **Spring Semester .5 High School credit and 3 College Credits**

Students interested in learning to paint should take this course. Basic acrylic painting techniques will be discussed and applied including basic media and tools, preparation of grounds, basic theoretical use of color, and textural media. Students will gain experience with the applications of basic painting techniques while developing their own personal expressions and symbolism. Additional research into the applications of these techniques by noted artists will also be required.

## **ARTZ 221 DRAWING I**

### **Fall Semester .5 High School credit and 3 College Credits**

Intended to assist students in acquiring basic drawing techniques and media. Emphasis will include basic applications of a reference drawing, observational drawing, landscape drawing, and a portrait drawing. Students will demonstrate competence in the application of media and specific techniques relevant to drawing. During each curriculum component, students will apply the generally accepted practices for that specific technique. Individual expression is encouraged; however, this will remain within the technical parameters of each component.

## **COMX 111 Public Speaking**

### **Fall Semester .5 High School credit and 3 College Credits**

Intended to assist students in acquiring basic drawing techniques and media. Emphasis will include basic applications of a reference drawing, observational drawing, landscape drawing, and a portrait drawing. Students will demonstrate competence in the application of media and specific techniques relevant to drawing. During each curriculum component, students will apply the generally accepted practices for that specific technique. Individual expression is encouraged; however, this will remain within the technical parameters of each component.

## **WRIT 101 College Writing**

### **Spring Semester .5 High School credit and 3 College Credits**

Students who enroll in the Associate of Arts and the Associate of Science degree programs should take this course to develop a foundation in writing skills necessary for college-level academics. During this course, they will become more efficient with the writing process, write well-organized papers, implement citation and documentation in research, judge the validity of research information according to criteria, and evaluate the effectiveness of written work. They will write at least six typed papers, with at least one assigned research paper written in MLA style.

## **BIOB 160 Principles of Living Systems**

### **1 Semester .5 High School credit and 4 College Credits**

Intended for science majors or for core science credits, students will be introduced to cellular organization & function. Through lecture and hands-on demonstrations, students will deal with structure, energy transformation in living systems, respiration, photosynthesis, the cell cycle, classical genetics, molecular genetics, & biotechnology. This course also includes a laboratory portion that covers cellular organization and cellular functions that are relevant to the lecture content.

## **M 121 College Algebra**

### **1 Semester .5 High School credit and 4 College Credits**

In this course, students will learn the fundamental concepts of algebra. Topics include real and complex numbers; exponents and radicals; polynomials; rational equations and inequalities; Linear, quadratic, exponential, and logarithmic functions; conic sections; and matrices.



## **HSTR 101 Western Civilizations I**

**Fall Semester .5 High School credit and 3 College Credits**

Students will study the ancient civilizations and peoples of the Near East, Egypt, Classical Greece and Rome, Europe, China, Southeast Asia, Sub-Sahara Africa and the Americas. Special emphasis will be placed on the role that archaeology plays in increasing our knowledge of these civilizations.

## **HSTR 102 Western Civilizations II**

**Spring Semester .5 High School credit and 3 College Credits**

Students will study the fall of the Roman Empire, the Byzantine Empire, the Dark Ages, the Crusades, the Middle Ages, the Renaissance, the Reformation, the Age of Exploration, the French Revolution, the Industrial Revolution, World Wars One and Two and the Cold War. Emphasis will be placed on the development of European nations and Western culture and on the role that religion, warfare, exploration, and economics played in that development.

## **Certified Nurse Assistant (CNA)**

**Fall Semester, 2 class periods .5 High School credit and 4-6 College Credits 11th-12th Grades**

A certified nurse assistant course is provided to teach essential skills required to fulfill the responsibilities of patient care. In this course students will learn vital information that pertains to patient safety, medical information, assisting patients with daily activities and communication. In this course a student must fulfill the required classroom time and at the end of a course complete a State Nursing Assistant exam to become certified in the State of Montana. The CNA certification will help secure higher paying jobs and give job experience that is helpful to any career.

## **\*\*\*Emergency Medical Technician (EMT)**

**More information to come**

This class will prepare you to become a certified EMT. Please stay tuned for more information to come.

# **CLUBS**

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## **Agriculture Program Club - Poplar FFA Chapter**

**You must be enrolled in the Poplar Agriculture program for 1 semester to be in the Poplar FFA chapter**

FFA Mission - FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. "Future Farmers of America" was founded by a group of young farmers in 1928. Their mission was to prepare future generations for the challenges of feeding a growing population. They taught us that agriculture is more than planting and harvesting – it's a science, it's a business and it's an art. FFA continues to help the next generation rise up to meet those challenges by helping its members to develop their own unique talents and explore their interests in a broad range of career pathways. Today, our members live the motto Learning to Do, Doing to Learn, Earning to Live and Living to serve. FFA members rise to the challenge of service embracing members of all walks of life united through FFA. We Are FFA.

## **History Club**

If you enjoy history, History Club is the place to be after school. Each month there is 1 meeting where we discuss current events, history, and plan future fundraisers that will aid in a club trip. The only requirements in joining are being a responsible student (you will show when you sign up for fundraising events) and have a love for all things history!

## **Business Professionals of America (BPA)**

BPA's Mission is to develop and empower student leaders to discover their passion and change the world by creating unmatched opportunities in learning, professional growth, and service. To join you must be enrolled in or have taken a Business or Tech class. Members will meet at least once a month and be expected to participate in our fundraising efforts. Competition is on three levels: Region, State and Nationals. There are several events that have to do with office procedures with programs like Microsoft Word, Spreadsheets, PowerPoint, Access, etc. Please check out BPA if you have any interest in professionalism.

## **Speech & Drama**

In speech & drama you can choose from a wide array of written works to perform in front of a panel of judges. There are many categories to choose from, including: Dramatic Interpretation, Impromptu, Duo Interpretation, Humorous Interpretation, Informative Speaking, Original Oratory, Poetry, Prose, Storytelling just to name a few. Your goal is to interpret the piece and perform it in a way that is unique to you! Will you choose to make it dramatic? Or would you prefer to be funny and perform a humorous piece? It's all up to you! There are even opportunities to write your own work to present. In Speech & Drama you will learn how to deliver speeches, develop acting skills, and overcome any anxieties that come with presenting in front of an audience. It's a great opportunity to build your confidence and public speaking skills!

## **Indian Club**

Indian club focuses on building leadership skills while incorporating native cultural values. We fundraise, to attend cultural events and help with native American week.

## **Pep Club**

Pep club is for those wanting to share their school spirit! We fundraise for school spirit activities and do things like spirit bags, pep rallies, poster decorating, and homecoming.

## **A Family and Consumer Sciences Student Leadership and Community Service Organization (FCCLA)**

To become a member of this great student organization, the student (male or female) needs to have taken/or be taking at least one FCS class during his/her high school career. The FCCLA organization develops many leadership skills through community service projects and fundraising activities. We hold FCCLA officer elections in the early part of the school year and meet throughout the year to help organize and possibly collaborate with other high school organizations. We need to fundraise to generate monies to help pay for both state and national FCCLA dues. However, there is no participation fee paid out of pocket by the student to join, but we need to fundraise throughout the school year in order to pay the required annual dues. We have a lot of fun and network within the school and community.

## **National Honor Society (NHS)**

**You must be a sophomore, junior, or senior with a cumulative GPA of 3.40 or higher**

National Honor Society is a high school organization that is open to sophomores, juniors, and seniors with a cumulative GPA of 3.40 or higher. New members are selected by a teacher vote and inducted into the group each fall. The NHS is based on merits of scholarship, service, leadership, and character. Some examples of activities we do each year include: winter clothing drives for the homeless population, care packages for local nursing home residents, American Red Cross blood drive, staff appreciation gifts and potlucks, and helping other community groups with service projects.

# STUDENT GOVERNMENT

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## **Student Council**

Student council consists of elected student leaders from each class. There is an executive board and then each class has a president, vice president, secretary/treasurer, and two class representatives. We have two meetings a month during class time. We discuss ways to improve our school and the community. We are also in charge of many activities that take place throughout the year. Such as, the first day of school orientation for freshman, Family Day, Spirit Weeks, cleanup days, Miracle Minute Fundraiser, the fun days before Thanksgiving and Christmas, and the last day of school activities.