

# 2017 - 2018

# Whitehall Middle & High School

# Grades 6-12

# Course Catalog

## High School General Diploma – 24 HS Credits

4 credits of English

3 credits of Math

3 credits of Social Studies

2 credits of Lab Science

2 credits of Health/P.E.

1 credit of Fine Arts

1 credit of Vocational/CTE

9 credits additional coursework/electives

Total Credits Required 24

**Note: College bound students need to carefully read the requirements on the next page regarding Minimum Core College Prep and Rigorous Core College Prep. Both sets of requirements exceed those for HS General Diploma.**

# Montana University System - College Preparatory Program

In order to improve students' preparation for college-level work, the Montana Board of Regents of Higher Education requires the following **Minimum Core** College Preparatory Program for students who wish to enter into a 4-year campus of the Montana University System.

The **Rigorous Core** was created as an alternative to the mathematics proficiency expectations (a score of 22 or above on ACT mathematics or a score of 520 or above on SAT mathematics) of the Montana University System. That Rigorous Core is also the criteria for the MUS Honors Scholarship.

## ENGLISH

**Minimum Core College Prep - 4 Years:** In each year the content of the course should have an emphasis upon the development of written and oral communication skills and literature.

**Rigorous Core - 4 years:** In addition to the Minimum Core, a designated college-prep or research-writing course is recommended.

## SOCIAL STUDIES

**Minimum Core College Prep - 3 Years:** The courses shall include World History or World Geography; American History; and Government.

**Rigorous Core - 3 years:** As above, with the recommendation of an additional one half year or more of other courses such as psychology, humanities.

## MATHEMATICS

**Minimum Core College Prep - 3 Years:** Courses shall include Algebra I, Geometry, and Algebra II. Students are encouraged to take a math course in their senior year.

*NOTE: In school systems where a student may take Algebra I in the 8th grade, the student must still complete 3 years of college preparatory math in high school.*

**Rigorous Core - 4 years:** In addition to the Minimum Core, a course beyond Algebra II such as Trigonometry, Pre-Calculus, or Calculus. All must have grades of "C" or better.

## LAB SCIENCE

**Minimum Core College Prep - 2 Years:** One year must be earth science, biology, chemistry, or physics; the other year can be one of those sciences or another approved college preparatory laboratory science.

**Rigorous Core - 3 years:** Full year of each: General or earth science; biology; chemistry or physics.

### **Alternate Rigorous Core Math/Science Combination**

Based on course availability, three years of mathematics, including a course beyond Algebra II, and four years of laboratory science may be substituted for the four years of math and three years of science requirement.

## ELECTIVES

**Minimum Core College Prep - 2 Years:**

- world language (preferable two years)
- computer science
- visual and performing arts, or
- vocational education units which meet the Office of Public Instruction guidelines.

**Rigorous Core - 3 years** chosen from the

following: 2 years of a World Language

Computer Science

Visual and Performing Arts

Vocational Education units which meet OPI guidelines (such as Information Technology, Computer Science.) High schools may select courses offered by the Montana Digital Academy to complete their rigorous core or Regents' College Preparatory Program

## **English**

English courses provide grade level appropriate instruction which meets college and career readiness anchor standards for Reading, Writing, Language, and Speaking and Listening. Coursework includes:

- literature and informational texts
- close reading of complex texts
- conventions of standard English
- vocabulary acquisition and use
- argumentative essays
- informative essays
- literary analyses
- research simulations

### **English 6**

Length of Class: Year  
Grade Level(s): 6

### **English 7**

Length of Class: Year  
Grade Level(s): 7

### **English 8**

Length of Class: Year  
Grade Level(s): 8

### **English I**

Length of Class: Year  
Grade Level(s): 9

### **English II**

Length of Class: Year  
Grade Level(s): 10

### **English III**

Length of Class: Year  
Grade Level(s): 11

### **English IV**

Length of Class: Year  
Grade Level(s): 1

### **Basic English**

Length of Class: Year (may take in successive years for credit) Prerequisite: IEP or Title

Grade Level(s): 6-12

Basic English is a remedial English program. It is governed by the student's IEP or Title instruction needs and focuses on improving skills in reading and writing.

### **Literacy Foundations**

Length of Class: Semester

Prerequisite: Teacher recommendation and MAP score Grade

Level(s): 6-9

This class is a literacy intervention for students scoring below proficiency in reading on the MAP tests or on any of two or more other achievement indicators. For freshman, this class counts as an elective credit towards graduation requirements.

### **College Writing I (Dual Credit college course – W101 3 credits from MT Tech)**

Length of Class: Semester

Prerequisite: Successful completion of English 3 and minimum MAP score (Reading 239+ or Language 236+) and Teacher approval

Grade Level(s): 12

Introduces students to forms and processes of written communication appropriate to college-level audiences. Coverage includes, at a minimum, expository prose, formal research writing, grammar, usage, and style. Upon successful completion, students will receive three college credits from MT Tech and one high school English credit.

### **AP® English Literature and Composition (Elective)**

Length of Class: Year

Prerequisite: Minimum MAP score (240+) and Teacher approval

Grade Level(s): 10-12

AP® English is a demanding college-level study of composition and world literature. The course is designed for students who are genuinely interested in the study of literature. Students are also engaged in the careful study and practice of writing which focuses on the critical analysis of literature. This course prepares the student for the AP® exams in English Literature and Composition and English Language and Composition. A passing score can result in English or elective college credit. It also prepares the student for success in upper-level college courses in English and other areas of study.

### **Public Speaking**

Length of Class: Year

Prerequisite: none

Grade Level(s): 9-12

This course introduces the students to most types of speaker-audience speaking situations (small and large group discussions, delivery of lectures and speeches in front of an audience, etc.).

Students will be expected to develop, research, and to prepare material for oral and written presentations.

Course topics may include research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.

**High School Graduation requirements:** 4 years of English credit

**English Requirements for admissions to Montana Colleges and Universities:** 4 years of English credit; a designated college-prep or writing course is recommended for 4-year University admissions.

## **Mathematics**

### **Basic Math**

Length of Class: Year (may take in successive years for credit)

Prerequisite: IEP

Grade Level(s): 6-12

Basic Math is a remedial program. It is governed by the student's IEP; the program focus is to remediate skills in number concepts and computation.

### **Course 1**

Length of Class: Year

Prerequisite: Teacher recommendation and/or MAP score

Grade Level(s): 6-8

This course is designed for students who are transitioning from the elementary math curriculum to middle school math concepts. Topics include: ratios, rates, fractions, decimals, percents, compute with multi-digit numbers, multiply and divide fractions, integers and the coordinate plane, expressions, equations, functions, inequalities, area, volume, surface area, statistical measures, and statistical displays.

### **Course 2 (Pre-Algebra)**

Length of Class: Year

Prerequisite: Teacher recommendation and/or MAP score 222+

Grade Level(s): 6-8

This course begins to prepare students for Algebra I. Topics include: ratios, proportional reasoning, percents, integers, rational numbers, expressions, equations, inequalities, geometric figures, measure figures, probability, and statistics.

### **Course 3 (Pre-Algebra)**

Length of Class: Year

Prerequisite: Teacher recommendation and/or MAP score 230+

Grade Level(s): 7-12

This course finishes student preparation for Algebra I. Topics include: real numbers, equations in one variable, equations in two variables, functions, triangles and the Pythagorean theorem, transformations, congruence, similarity, volume, surface area, scatter plots, and data analysis.

### **Math Foundations**

Length of Class: Semester grades 6-8, Year grades 9-12 (may take in successive years for credit with teacher recommendation)

Prerequisite: Teacher recommendation and MAP score

Grade Level(s): 6-12

Math Foundations is a Title class designed to improve math skills in the areas of fractions, decimals, percents, integers, basic geometry and solving algebraic equations. The purpose of this class is to continue to develop these skills at the student specific level in order to prepare students for algebra topics. Content is delivered via the computerized ALEKS system with teacher support.

### **Algebra I**

Length of Class: Year

Prerequisite: C- or better in Pre-Algebra and MAP score 235+ and/or Teacher recommendation

Grade Level(s): 8-12

The course is designed to build on pre-algebra and covers: expressions, equations, functions, linear equations, linear functions, equations of linear functions, linear inequalities, systems of linear equations and inequalities, exponents, exponential functions, quadratic expressions and equations, quadratic functions and equations, radical functions and geometry, radical functions and equations, statistics and probability.

### **Geometry**

Length of Class: Year

Prerequisite: C- or better in Algebra I and MAP score 240+ and/or Teacher recommendation

Grade Level(s): 9-12

This course is designed to build on the geometric ideas and algebraic representations learned in middle school math and Algebra 1. The course covers: reasoning and proof, parallel and perpendicular lines, congruence, proportions, similarity, basic trigonometry, transformations and symmetry, probability, and geometric measurement.

### **Algebra II**

Length of Class: Year

Prerequisite: C- or better in Algebra I and Geometry and MAP score 240+ and/or Teacher recommendation

Grade Level(s): 10-12

Course provides the background needed for the study of pre-calculus, physics and engineering. Topics include: linear relations and functions, quadratic functions, polynomial functions, radical functions, exponential functions, logarithmic functions, rational functions, conic sections, discrete mathematics, and trigonometric functions, identities, and equations.

### **College Algebra (Dual Credit college course – M121 3 credits from MT Tech)**

Length of Class: Year

Prerequisite: C- or better in Algebra I and Algebra II, ACT Score 22+ or MAP score 250+, and COMPASS Math Placement Test

Grade Level(s): 10-12

Covers standard topics of college algebra including linear and quadratic functions, polynomial and

rational functions, exponential and logarithmic functions, and complex numbers.

### **Precalculus**

Length of Class: Year

Prerequisite: C- or better in Algebra II and MAP score 248+ and/or Teacher recommendation

Grade Level(s) 11-12

This course prepares students for Calculus. The course covers functions from a calculus perspective including power, polynomial, rational, exponential, logarithmic, and trigonometric functions. Additional topics include: trigonometric identities and equations, systems of equations and matrices, conic sections and parametric equations, vectors, polar coordinates and complex numbers, sequences and series, inferential statistics, and limits and derivatives.

### **AP Calculus**

Length of Class: Year

Prerequisite: B or better in Precalculus and 85<sup>th</sup> percentile or better on MAP score

Grade Level(s): 12

Study of a variety of topics from differential and integral calculus, including trigonometry and analytic geometry. College credit available for successful complete the AP Calculus exam (student expense).

### **10-12 Math 3rd and 4<sup>th</sup> year ALEKS Online Course Options**

Trigonometry – Grade 12 (B or better in Precalculus and MAP score 251+)

College Preparedness prepares students for college math success by providing thorough coverage of the essential math through intermediate algebra topics necessary for students to progress into a credit-bearing college math course – Grade 10-12 (C- or better in Geometry and MAP score 240+)

Introduction to Statistics – Grade 10-12 (C- or better in Geometry and MAP score 245+)

AP Statistics (Quantitative) – Grade 11-12 (successful completion of Introduction to Statistics)

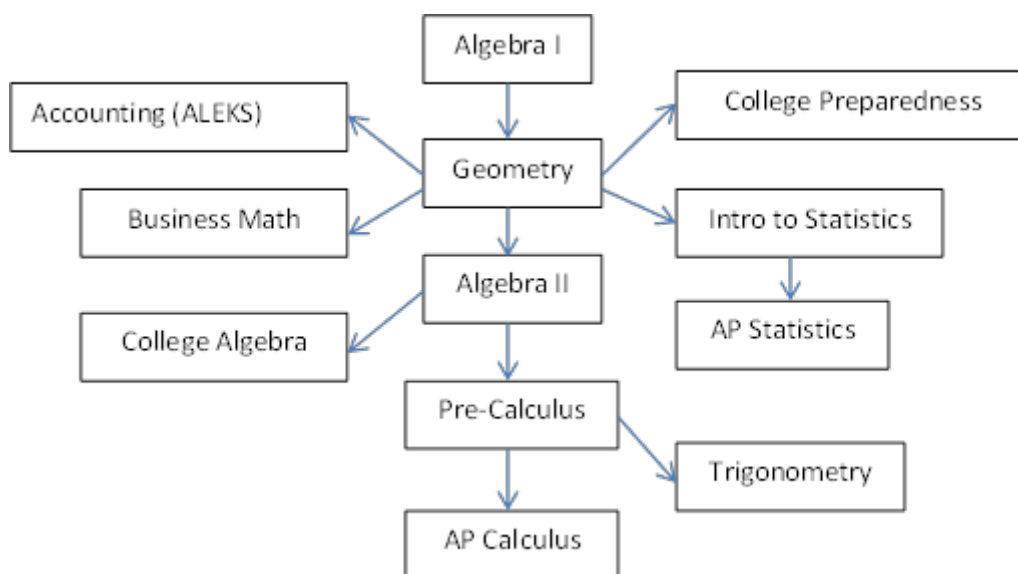
Math Review for AP Calculus – Grade 12 (B or better in Precalculus and 85<sup>th</sup> percentile or better on MAP score)

Fundamentals of Accounting (Corporation) – Grades 10-12 Grades 10-12 (C- or better in Algebra I and Geometry and MAP score 240+) Successful completion of this course will meet 3rd year math requirement

Fundamentals of Accounting (Sole Proprietorship) – Grades 10-12 (C- or better in Algebra I and Geometry and MAP score 240+) Successful completion of this course will meet 3rd year math requirement

Business Math – Grades 10-12 (C- or better in Algebra I and Geometry and MAP score 240+) Successful completion of this course will meet 3rd year math requirement

## High School Math Course Progression



**High School Graduation requirements:** 3 years of math credit

### **Math Requirements for admissions to Montana Colleges and Universities:**

- Bitterroot College – Submit math placement test scores (ACT, SAT, or ALEKS)
- City College at MSU Billings – Submit your official ACT or SAT scores
- Dawson Community College - ACT/SAT scores for recent high school graduates (ACT preferred)
- Flathead Valley Community College - Once admitted, students will complete a COMPASS test to determine math placement.
- Gallatin College MSU – Once admitted, students will complete a COMPASS test to determine math placement.
- Great Falls College MSU - Any degree-seeking student must submit their ACT or SAT scores
- Helena College UM - Compass test or ACT/SAT scores
- Highlands College of MT Tech – Submit your official ACT or SAT scores or complete a COMPASS exam
- Miles City Community College - Once admitted, students will complete a COMPASS test to determine math placement.
- Missoula College UM - Any degree-seeking student must submit their ACT or SAT scores including Math score. Placement tests are required if ACT math score is below 22.
- Montana State Billings, Montana State Bozeman, Northern, University of MT Missoula, Western - Freshman entering a bachelor's degree program must meet the following mathematics proficiency requirements: 22 or above on ACT mathematics; or 520 or above on SAT mathematics; or 3 or above on the AP calculus AB or BC subject examination or a score of 4 on the IB calculus test. Note: A student whose mathematics score is 18-21 on the ACT or 440-510 on the SAT meets the mathematics requirement for admission without condition to any two-year degree program or provisional admission to a four-year degree program on any campus of the MUS. A student whose mathematics score is below 18 on the ACT or 440 on the SAT may be admitted without condition to any two-year degree program of the MUS, but may not be admitted to a four-year degree program of the MUS. Alternatively, students may be excused from any testing in mathematics and deemed proficient if they complete a rigorous high school core including four years of mathematics in high school (algebra I, algebra II, geometry and a course beyond algebra II with grades of C or better in all courses.
- Montana Tech - Earn a minimum ACT Math score of 22 or earn a minimum SAT Math score of 520 or earn a minimum score of 3 on the AP Calculus AB or BC exam

## Science

### Course Progression

6<sup>th</sup> Grade General Science

7<sup>th</sup> Grade

Life Science

8<sup>th</sup> Grade Physical Science

9<sup>th</sup> Grade

Earth Science

10<sup>th</sup> Grade Biology

Lab Electives

Chemistry Physics

AP® Biology

### Additional Year-Long Science Electives offered through ALEKS online

Prep for AP® Chemistry is designed to prepare high school students for an AP® Chemistry course. This course covers prerequisite and foundational material necessary for success in AP® Chemistry. – Grade 10-11  
(may take concurrent with Biology or Chemistry)

AP® Chemistry provides rigorous coverage of chemistry topics that are typically included in a university-level General Chemistry course. This course includes the built-in ALEKSpedia, which is a General Chemistry Primer, making the ALEKS AP Chemistry course your chemistry solution. This course can also be used to help students achieve better results on the AP® Chemistry exam. – Grade 11-12 (may take concurrent with Chemistry or upon completion of Chemistry)

Math Review for AP® Physics – Grade 12 (may take concurrent with Physics)

**6<sup>th</sup> Grade General Science:** Metric System in Science, Matter, Forces of Motion, Periodic Table of Elements, Changing Earth, Continuity of Life, Oceanography.

**7<sup>th</sup> Grade Life Science:** Students will have an understanding of life science and will be immersed in the basic understandings of biology and the life sciences around us.

**8<sup>th</sup> Grade Physical Science:** Introduction to Physical Science, Introduction to Matter, Solids, Liquids, and Gases, Elements and the Periodic Table, Atoms and Bonding, Chemical Reactions, Acids, Bases, and Solutions, Carbon Chemistry, Motion, Forces, Forces in Fluids, Work and Machines, Energy, Thermal Energy and Heat, Characteristics of Waves, Sound, The Electromagnetic Spectrum, Light, Magnetism, Electricity, Using Electricity and Magnetism

### **Earth Science**

Earth Science is a one-year laboratory course in which the students will investigate the areas of Geology, Meteorology, Astronomy and Hydrology. Earth Science will strengthen the students' basic investigative skills, enhance their ability to process information, and prepare them to make rational decisions concerning human's interactions on Earth.

### **Biology**

This general biology core lab course emphasizes the biochemical and cellular aspects of the study of life. The course will include a number of labs and is a study of the increasing complexity of life from the atomic to the organ system level with some basic ecology included. Emphasis will be on the biochemical relatedness and diversity of all life and how the process of evolution by natural selection has occurred at the biochemical, structural and species levels. Students will be introduced to current bioethical issues.



### **Chemistry**

Pre-requisite: This course is designed for students who have earned credits in Earth Science and Biology. Students may take this class if they have completed Algebra I with a “C” grade or better and have completed Algebra 2 with a “C” or better or are concurrently enrolled in Algebra 2.

The chemistry course presents a modern approach to the principles of chemistry at a level suitable for the majority of high school students. The course has been developed within the framework of certain unifying concepts such as the chemical bond, the structure of matter, the matter-energy relationships, the periodicity of elements, the mole concept, chemical notation, the behavior of matter in terms of acidity, oxidation-reduction, chemical reactions, stoichiometry and chemical equations. Students may take additional ALEKS course to prepare for the AP exam.

### **Advanced Placement Biology**

Pre-requisite: completed or concurrently enrolled in Chemistry or have instructor permission This is a full year college level lab class with emphasis on passing the Advanced Placement Biology test. Passing the AP Biology test allows the student to earn a semester of biology at many colleges and universities.

### **Physics**

Pre-requisite – This course is designed for students who have earned credits in Earth Science and Biology. Students may take this class if they have completed Algebra I with a “C” grade or better and have completed Algebra 2 with a “C” or better or are concurrently enrolled in Algebra 2.

Physics is a full year laboratory science elective. This course introduces the application of simple mathematics to the concepts of mechanics, thermodynamics, waves, light, sound, and electromagnetism.

## **Social Studies**

### **Course Progression**

#### **6th Grade**

World Geography 7th Grade

Montana History 8th Grade

American History 10th Grade

World History 11th Grade

United States History or AP® US  
History (MTDA online)

#### **12th Grade**

United States Government or  
AP® Government and Politics (MTDA online)

### **6th World Geography**

The World Geography course is a one-year course that covers the geographic perspective of the world. Students will be studying the spatial patterns and processes of the world. This includes historical information, political, social, economic, culture, and human aspects that are relevant to the understanding of planet Earth and the world around us. Throughout this textbook, students will be studying the world’s people, places, and landscapes. One of the main tools they will use is the map – the primary tool of geographers. In addition to learning about maps, students will learn about the different kinds of features on Earth and how geographers use themes and elements to study the world. The desired outcome of this course is that the students will acquire a greater appreciation and understanding of world geography and at the same time develop a higher order of thinking.

### **7th Montana History**

This class will cover the history and geography of Montana. It is intended to give the middle school student

an appreciation for our great state and instill in them a sense of pride in being a citizen of Montana. The students will survey the history of Montana from the pre-historic evidence of Native Peoples to current social, political and economic trends. Emphasis of the class will be: Native Peoples, Early Exploration and the Fur Trade Era, the discovery of gold, early settlers, the cattle, wood products and mineral industries as well as a study of the current trends in education, business, the environment and recreation.

### **8th American History**

This American History course is designed to help students understand how and why particular events and patterns of events occurred in our society. So much can be learned from the past; therefore, it is important to explore the reasons for reading and researching events and people from our past. Throughout the year, students will work on their own and within small groups in researching primary source documents, personalities from America's past and key events. This will help them achieve a better understanding of the American experience from the European colonial era through the beginnings of the post-Civil War period of Reconstruction and Westward Expansion.

### **World History – Sophomore Year**

World History is a year-long required course that explores the key events and global historical developments since 3000 B.C. that have shaped the world we live in today. The scope of World History provides the latitude to range widely across all aspects of human experience: economics, science, religion, philosophy, politics & law, military conflict, literature & the arts. The course will illuminate connections between our lives and those of our ancestors around the world.

Students will uncover patterns of behavior, identify historical trends and themes, and explore historical movements and concepts.

### **United States History – Junior Year**

This class will help students understand how our colonial heritage, westward expansion, assimilation of cultures, and emergence as a world power has shaped modern America. This course will address the following areas of study:

- Indigenous Peoples and Societies of North America
- The Revolution
- The Advent of the United States and the Constitutional Period Era
- Expansion
- The Civil War
- Reconstruction and Industrialization
- The Emergence of Modern America during the World Wars and Interwar Period
- The Rise of America as the Dominant World Power in the Later 20th Century

### **Government – Senior Year**

The goal of education in government is informed, responsible participation in political life. The study of the United States government will provide students an opportunity to acquire knowledge of government and to practice the skills necessary to become responsible, participatory citizens. This course will address the following areas of study:

- The U.S. Constitution
- Federalism
- Comparative Government
- Politics and Political Participation
- Political Theory
- The Election Process
- The Courts, The Executive Branch, The Legislative Branch
- The Structure of State, Tribal, and Local governments
- Civil Liberties and Rights

# **ART**

## **Art I - Year**

Students will build on their basic understanding of art by exploring a variety of art media in various contexts, cultures, and time periods.

## **Advanced Art - Year**

Prerequisite: One previous year of high school art

Students will build on their knowledge and understanding of studio arts and art history by exploring a variety of two and three-dimensional techniques in various contexts, cultures, and time periods over the course of the year. Projects will consist of a variety of drawing, painting, printmaking, and sculptural techniques with high expectations on student involvement. Students will be evaluated on four criteria: Knowledge and Understanding, Application, Reflection and Evaluation, and Artistic Awareness and Personal Engagement.

# **COMPUTER & BUSINESS EDUCATION**

## **Accounting I – Year**

Throughout this course, the students will learn accounting terminology, implement practices, and understand concepts. The students will complete the accounting cycle (journalize transactions, post transactions, and prepare financial statements) for a sole proprietorship, partnership, and a corporation. Practice sets and computerized accounting software will be used to reinforce concepts.

## **Introduction to Computer Applications - Semester**

This is a semester course that will introduce computer basics such as hardware, software and online ethics. Students will then be introduced to the Microsoft Office 2013 software programs. Topics to be covered are Word Processing, Spreadsheets, Presentation Software, and Publishing Software. An introduction to animations will also be covered in the semester along with an introduction to basic computer programming. Students will also utilize the “cloud” to save and edit documents.

## **Multimedia with Game Design - Year**

During this course, students will be able to create a wide variety of computer generated objects using a wide variety of software programs. The following topics will be covered: Photo Editing, 2 Dimensional Animation, 3 Dimensional Drawing, and 3 Dimensional Animation. Students will use software programs to program and design their own computer games and Apps. A general knowledge and interest in programming is preferred for this course. We will build games starting with beginners in mind and ending with Project Spark where the students will create their own worlds and characters using the xBox One as the platform.

## **Intro. to Programming - Year**

Students will be introduced to computer programming using CodeHS. CodeHS is an online, self-paced program that has the possibility of being worth 2 credits at MT Tech. Python and JavaScript are the main programming languages used in the course.

## **Microsoft Office Specialist Certification - Year**

Microsoft Office Specialist (MOS) certification validates mastery of Microsoft Office skills that are valuable demonstrating productivity in a wide range of jobs and other life pursuits. Earning MOS certification proves the ability to use Office applications for on the job needs and provides valuable distinction to help students enter higher education or the workforce. Earning an MTA certification is recommended but not required to pursue higher technology certifications. This will be a semester course. (<https://www.microsoft.com/en-us/education/imagine-academy/certification/default.aspx> )

## **CONSUMER SCIENCE**

### **Culinary Arts I/II - Semester**

Semester I foods class covers basic nutrition principles, eating healthy, food preservation, bread and cookie making, egg cookery, picnics, barbecues and dining out. Semester II food class covers management of the kitchen and dining areas, meat poultry, and fish cookery, dairy products, fruits/vegetables, salads, casseroles, soups, cereals, cakes and pies. Semesters I and II courses are offered every other year.

## **INDUSTRIAL ARTS**

**Advanced Shop** – must have previously taken HS General Shop. These classes require approval from the School Counselor and the Shop Instructor.

- 1) Metal Working: Students will learn the basics of cutting systems, stick, and wire-feed welding, welding positions, joinery, electrical theory, and metal fabrication techniques. Students will also learn fundamentals of sheet metal work and computer aided design.
- 2) Wood Working: Students will cover topics of safe shop practices, wood identification, milling operations, joinery, woodworking techniques, finishing applications, and computer aided design.

### **General Shop / Building Technology**

Construction Technologies- Students will cover topics of constructing and reading blueprints, elements of wood framing, sheetrock repair, electrical repair, and general woodworking fundamentals.

## **HEALTH AND PHYSICAL EDUCATION DEPARTMENT**

### **Health and Physical Education I and II**

Educating and preparing students to effectively use leisure time, and to be physically, socially, and emotionally healthy are the major goals of the Physical Education/Health Department. The intent of our program is to enable each student to enjoy physical activity through improved fitness levels and better understanding of each recreational activity. The two-year program is designed for students to meet the 2 credit graduation requirement and state standards.

### **Weight Training with Health**

Weight Training/Conditioning is offered to students who are interested in improving their strength and cardiovascular fitness. The course includes high intensity weight training and aerobic activity. Individual goals are set and students are frequently assessed using a variety of cardiovascular and strength related tests. Students may take this course instead of Health and PE in order to meet graduation requirements and state standards.

## **FOREIGN LANGUAGE DEPARTMENT**

### **Spanish I**

Spanish I is a beginning course which introduces the four language skills of listening, speaking, reading, and writing in Spanish at an academic level. Hispanic cultures will be explored through classroom activities. Students will be encouraged to use basic oral communication in their daily interactions in class with the teacher and other students. Students are expected to spend about 10- 15 minutes *every* night with homework and/or studying vocabulary.

### **Spanish II or III**

Prerequisite: "C" average in Spanish I and/or II

These are intermediate course which focuses on listening and speaking Spanish at an academic level. Hispanic cultures will be explored through classroom activities, internet activities, and research. Students will be required to use Spanish in their daily interactions in class with the teacher and other students. Students are expected to spend about 20 minutes *every* night with homework and/or studying vocabulary.

## **MUSIC**

### **Pep Band / HS Band - Year**

Advanced band class, open to grades 9-12 with prior experience on a band instrument. Continue study of a musical instrument within the classroom setting with opportunities to play in honor groups and festivals. REQUIREMENT: Pass 6-7-8th grade band class or get teacher OK. This is a co-curricular class with the expectation students are eligible (academically) to attend all major performances (these are outside school time); dressed-up/uniform.

### **HS Choir - Year**

Advanced choir class, open to grades 9-12 with prior experience in choir. Continue developing singing skills with opportunities to sing in honor groups and festivals.

REQUIREMENT: This is a co-curricular class with the expectation students are eligible (academically) to attend all major performances (these are outside school time); dressed- up/uniform.

## **ADDITIONAL ELECTIVES**

### **Teachers' Aides**

Aide applications must be filled out and returned to the counselor. Counselor and principal approval is required. This is a semester or yearlong course. Duties vary from teacher to teacher, but students should be willing to work with children, assume responsibility, be neat in appearance and clean including personal hygiene and clean clothes, be on time, take pride in a job well done, don't bring homework. Students must have a 2.5 GPA.

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

JMG is designed to help students prepare for life after high school. JMG, created in 1990, assists Montana high school students to stay in school, graduate, and successfully transition from school to work or post-secondary education. The class focuses on four areas: Career preparation, Leadership development, Social Awareness, and Civic Responsibility

### **Annual**

This class designs and prepares for publishing the annual school yearbook.

## **MIDDLE SCHOOL ELECTIVES**

### **Grades 6, 7, 8**

### **6-7-8 PE/Health**

All students will take Health Enhancement which encompasses physical fitness and health. It is required that students dress out daily in preparation for physical fitness.

### **6-7-8 Computers**

This course will teach proper keyboarding technique. Also, basic word processing, spreadsheet, and presentation software skills will be taught. And introduction to video editing and simple computer

programming will also be covered. Internet safety/netiquette will also be covered throughout the semester. Google Docs will be introduced in this course. Students will also utilize the “cloud” to save and edit documents.

### **6-7-8 Band**

Prerequisite: Pass 5th grade band class or instructor permission

Intermediate band class; continue learning skills on a band instrument; opportunity to participate in a festival; preparation for HS band. Students are required to attend all major performances, which sometimes involves dressing appropriately and a time commitment outside of the school day.

### **6-7-8 Choir**

Prerequisite: Pass 5th grade band class or instructor permission

Intermediate vocal music class; opportunity to participate in a festival; preparation for HS choir. Students are required to attend all major performances, which sometimes involves dressing appropriately and a time commitment outside of the school day.

### **6-7-8 Art**

Students will be introduced to art concepts and media, through different contexts, cultures, and time periods. Students may take art each year and will build on their knowledge and understanding by exploring new perspectives.

### **6-7-8 Shop**

Students will be introduced to basic shop practices, basic wood working, and small engines. Content to be covered within basic wood working will consist of power tool safety, various joinery, lathe work, and finishing applications. Small engine repair will consist of disassembly/assembly of a small engines, fundamentals of the gasoline engines, power technologies, and troubleshooting.

### **6-7-8 Family Consumer Science**

This class is designed to introduce students to cooking, sewing, finances, child development, family development and crafting. This class is a semester long, so each topic is introduced, but not studied at length.

### **6-7-8 Jobs for Montana Graduates**

This class will focus attention on experience based learning techniques designed to encourage involvement and attachment to the community; emphasizing citizenship, volunteerism, service learning, fundraising, job shadowing and adventure based learning. Through the curriculum students will have the opportunity to develop healthy behaviors and lifestyles; increase their academic potential; expand their organizational and time management skills; define character development and more easily transition from middle school into high school.



MONTANA DIGITAL ACADEMY

Department	Courses
Career and Technical	AP® Computer Science Computer Science – Joy and Beauty of Computing Entrepreneurship Health Occupations Personal Finance Sports and Entertainment Marketing Web Design
English/Language Arts	AP® Language and Composition AP® Literature and Composition Creative Writing (1 semester) Mythology and Folklore (1 semester)
Special Electives	Native American Studies (1 semester)
Family and Consumer Science	Fashion Design Interior Design
Fine Arts	Digital Photography (1 semester) Art History/Appreciation (1 semester) AP® Art History
Health and Physical Education	Sports Officiating (1 Semester)
Mathematics	Math and the Liberal Arts AP® Calculus AB AP® Statistics
Music	Music Appreciation (1 semester) Music Theory
Science	AP® Environmental Science Astronomy Oceanography Anatomy and Physiology Veterinary Science

Social Studies and History	Global Studies Montana History (1 semester) AP® US History Psychology (1 semester) AP® Government and Politics AP® Microeconomics (1 Semester; Fall Only) AP® Macroeconomics (1 Semester; Spring Only) AP® Psychology AP® Human Geography Criminology (1 semester)
World Languages	Chinese 1 (delivered by the UM Confucius Institute) Chinese 2 (delivered by the UM Confucius Institute) French 1 French 2 French 3 German 1 German 2 Latin 1 Latin 2 Spanish 3

**How many MTDA classes can a student take?**

2 classes per semester is the most a student can take through MTDA. A student cannot earn more than 4 credits towards his or her graduation requirements through MTDA. Additional credits can be earned, but will be counted as credits above and beyond the required 24 credits.

**GPA:** A student must have a Cumulative GPA of a 2.5 to enroll in MTDA courses; C+ average.

**Equipment and Preparation:** Students must be able to provide their own headphones with a microphone.

**Failing Grades:** To be eligible to enroll in an MTDA class a student cannot have any failing grades from the previous 2 semesters of high school. A student who takes a MTDA course, but does not pass it with a “C” or better, cannot continue taking MTDA classes the following semester.

**Grade Level:** Students who are in 10<sup>th</sup>, 11<sup>th</sup>, or 12<sup>th</sup> grade can take MTDA classes.

**Eligibility:** MTDA grades are checked every Monday for eligibility purposes. These grades are incorporated into the eligibility for school activities.



**Nelson Academy of Agricultural Sciences Online** <http://allagonline.com/> offers high quality agriculture courses to high school students as well as agriculture adult education courses for farmers and ranchers. All courses are taught online using the Brain Honey learning system. Course materials are included in the fee. On occasion, students may need to obtain easy to find supplies for activities. An example might be plastic pop bottles for producing a mini eco-system. Most supplies needed for projects will either be no cost or very low cost.

The academy is accredited through AdvancEd and the Northwest Accreditation Commission. Mr. Nelson holds Montana certification in Agriculture Education as well as K-12 Principal and Superintendent endorsements. Mr. Nelson is registered and approved by the Montana Office of Public Instruction as well as several other states. The curriculum used is approved by the National Council for Agriculture Education’s “National Agriculture, Food and Natural Resources (AFNR) Career Cluster Content Standards.”

All final grades will be recorded on the North Dakota Center for Distance Education student management system. At the end of each course, students and schools will be issued a certificate of completion that can be used to place grades and credit on student school transcripts. A complete list of courses and descriptions follows:

Agricultural Careers	Length: 1 semester	Credit: .5	Fee: \$300
Leadership with FFA Units	Length: 1 semester	Credit: .5	Fee: \$300
Introduction to Agriculture	Length: 1 semester	Credit: .5	Fee: \$300
Greenhouse Technology I	Length: 1 semester	Credit: .5	Fee: \$300
Introduction to Animal Science: FFA and SAE	Length: 1 semester	Credit: .5	Fee: \$300
Veterinary Science: FFA and SAE	Length: 1 semester	Credit: .5	Fee: \$300
Veterinary Sciences II	Length: 1 semester	Credit: .5	Fee: \$300
Introduction to Farm Business Management	Length: 1 semester	Credit: .5	Fee: \$300
Farm Business — Financial Planning	Length: 1 semester	Credit: .5	Fee: \$300
Farm Business Management Production Decisions	Length: 1 semester	Credit: .5	Fee: \$300
Agribusiness I	Length: 1 semester	Credit: .5	Fee: \$300
Agribusiness II	Length: 1 semester	Credit: .5	Fee: \$300
Equine Science I: FFA and SAE	Length: 1 semester	Credit: .5	Fee: \$300
Equine Sciences II	Length: 1 semester	Credit: .5	Fee: \$300
Animal Science — Swine Production	Length: 1 semester	Credit: .5	Fee: \$300
Animal Science — Sheep Production	Length: 1 semester	Credit: .5	Fee: \$300
Animal Science — Beef Production	Length: 1 semester	Credit: .5	Fee: \$300
Plant Science: FFA and SAE	Length: 1 semester	Credit: .5	Fee: \$300
Crop Science	Length: 1 semester	Credit: .5	Fee: \$300

- Refund / drop policy: Within 24 hours of an enrollment there is full refund. After that and within 2 weeks there is a partial refund. After two weeks there is no refund for the classes.
- Two classes per semester are the most a student can take through NAASO. A student cannot earn more than 4 credits towards his or her graduation requirements through NAASO. Additional credits can be earned, but will be counted as credits above and beyond the required 24 credits.
- A student must have a Cumulative GPA of a 2.5 to enroll in NAASO courses; C+ average.
- Equipment and Preparation: Students must be able to provide their own headphones with a microphone.
- Failing Grades: To be eligible to enroll in an NAASO class a student cannot have any failing grades from the previous 2 semesters of high school. A student who takes a NAASO course, but does not pass it with a “C” or better, cannot continue taking NAASO classes the following semester.
- Grade Level: Students who are in 10th, 11th, or 12th grade can take NAASO classes.
- Eligibility: NAASO grades are checked every Monday for eligibility purposes. These grades are incorporated into the eligibility for school activities.