

2015 – 2016 Student Registration Guide

Battle Mountain High School

Main Office: Phone: 775-635-5436

Fax: 775-635-5459

Mr. Collin BelnapPrincipal
Mrs. Sondra Torgerson.....Dean of Students
Mr. Paul Tremayne.....Athletic Director
Ms. Johna Reeves.....Counselor
Mr. Jim SquibbSuperintendent of Schools

General Registration Information and Materials

This registration guide will acquaint you with the program of studies, courses, and graduation requirements at Battle Mountain High School.

This registration guide has been designed as a tool to assist you in creating your Career Path will provide the opportunity for success in setting educational goals in high school and post secondary education and training. You are urged to read this guide carefully and seek advice from your parents, teachers, counselor, administration and other staff members. Remember that today's plans and efforts are tomorrow's joys and accomplishments.

Although there are a variety of resource people to assist you, ultimately the responsibility for your education and overall educational experience is yours. Get involved in the experience and make wise educational choices.

Remember, this guide has been designed as a planning tool for the coming year. A close look at department overviews, course descriptions, counseling notes, graduation requirements, and prerequisites will give you important information for the planning process.

Graduation Requirements

A minimum graduation requirement of has been established by the Lander County School District and Nevada State Department of Education. These requirements are to ensure a well-balanced educational program to meet the challenges of our society. These requirements allow and encourage a wide range of electives to prepare the student for post high school work, training, and advanced studies. We encourage students to exceed these minimum requirements to prepare for greater educational and career success.

In order to stay on track for graduation you need to meet the following minimum standards for credit attainment:

- five (5) credits at the end of your 9th grade year
- eleven (11) credits at the end of your 10th grade year
- seventeen (17) credits at the end of your 11th grade year

Standard Diploma

23 credits are required for graduation

The required credits include:

- 4 English** Courses include: English I-IV
 - 4 Math** Course may include: Algebra 1, Algebra 2, Geometry, Business Math, Pre-Calculus, Trigonometry, AP Statistics and Calculus
 - 3 Social Studies** Courses include: World History, World Geography, American History, and American Government
 - 3 Science** Courses include: Biology, Physical/Earth, Environmental, Chemistry, Physics and Human Anatomy
 - 1 Humanities** Courses include many electives such as Art, Drama, Quilting, Music, Foreign Languages and all Career and Technical Education courses.
 - .5 Health** Can be met with 1 year of Health science 1
 - 2 P.E.** Courses include: Physical Education and Weights
- Note: With administrative approval, completing 3 sports seasons may meet one credit of this requirement.
- .5 Computers** Any administrative approved computer related course.
 - 5 Electives** Courses may include extra academic courses and many elective courses such as Art, Music, Drama, P.E. and all Career and Technical Education courses. See following pages for a complete list.

Planning for Post-Secondary Education

It is very important that students and parents begin early in the student's high school career to consider the student's post high school plans. The ACT Plan (Academic Career Track) is the framework the high school uses to guide to post-secondary planning. If going on to a community college or university, there may be specific admission requirements. Although no single program of high school preparation will guarantee Post-Secondary Education admission, there are high school courses which will give you better preparation for the specific school you want to attend and to give you a better preparation for the admission tests. **The better your preparation in high school, the wider your career and education options are upon graduation.**

Post-Secondary Education institutions are not only interested in core areas like English, Math, Science, and Social Studies, Foreign Language, but also in Art, Business, Computer Science, Drama, Music, Career and Technical Education course work, leadership, community service and employability skills. Although colleges place emphasis on academic subjects, most colleges recognize excellent achievement in ALL courses as well as in extracurricular activities.

Admission into Post-Secondary Institutions is dependent on several factors:

Quality of your academic record as seen in your selection of courses:

The quality of a student's academic program is one of the most important factors when considering a student's application for admissions. Take the most challenging curriculum you can successfully handle, and achieve the best grades of which you are capable. Since most colleges and universities require the completion of 15-16 core academic units in high school, it is recommended that a student enroll in at least 4 core academic classes each year. Academic courses are English, math, science, social studies, and foreign language.

Grade point average and class rank: Colleges use your grade point average and class rank as a predictor of academic success. Your class rank is determined from your high school cumulative grade point average and is computed at the end of each semester.

S.A.T. and/or A.C.T. Scores: Some colleges have actual cut off scores for the Scholastic Aptitude Test (S.A.T.) AND American College Test (A.C.T.) while others use test results primarily for placement purposes. Many colleges require SAT II subject tests to be submitted also. The state requires all 11th graders to take the ACT free of charge.

Personal recommendations from counselors and teachers: Some schools place considerable weight on recommendations from teachers, counselors, and employers. They are looking for the qualities like sound judgment, honesty, industry, reliability and attendance.

Related Activities: Participation in community service projects and activities such as clubs, student leadership, athletics, fine and performing arts, and out of school organizations give you a competitive edge in the competition for admission. The quality of your participation, including offices held and how fully you carried out your responsibilities are more important than the number of activities.

College Admission Tests

There are several opportunities to take tests that are required by many colleges. A description follows:

American College Testing (A.C.T.) The A.C.T. results are accepted by all colleges in Nevada. A.C.T. tests are designed to measure student's ability to perform the kind of intellectual tasks typically performed by college students. The A.C.T. battery consists of four tests: English, Mathematics, Reading, and

Science Reasoning. The A.C.T. is administered to upperclassmen at Battle Mountain High School three times a year: September, December, and April.

College Board-Scholastic Aptitude Test (S.A.T.I and S.A.T.II): The S.A.T.I consists of two sections: verbal and math. The test is designed to provide reliable indications of a students' ability to do college level work and is administered nationally in November, December, January, March, May, and June. Achievement Tests provide information about a student's knowledge of subject matter and are used extensively for placement purposes by some institutions. Students should consult with their counselor to determine institutional requirements. The S.A.T.II writing achievement test has been instituted to help evaluate students' writing skills. Some colleges require the S.A.T. II.

P.S.A.T./N.M.S.Q.T.: The Preliminary Scholastic Aptitude Test / National Merit Scholarship Qualifying Test. This test is designed to give a student (juniors) experience with tests similar to those required for college admissions. In addition, results of this test are used as a competitive examination to qualify students for the National Merit Scholarship Program. Interested sophomores and juniors take this test in October. Additionally our 9th and 10th graders have had the opportunity to participate in a pre-PSAT experience in the fall.

CAREER GUIDANCE AND RESOURCES

Information regarding careers, college admissions, and occupations is available in occupational handbooks, college catalogs, and educational directories located in the Counseling and Career Center. Information is also available through NCIS (Nevada Career Information System) computerized guidance program available in the career center/library and computer lab. Students will experience the NCIS program throughout their high school education. It is recommended that all students become very familiar with the NCIS program while in their junior year.

General Courses of Study

Remember the 9th Grade Academic Career Track (ACT) also known as the four-year plan begins with the state of Nevada mandated Integrated Core of 4 credits of math, 4 credits of English, 3 credits of Science, 3 credits in Social Studies including World History or World Geography, American History and American Government with the addition of Physical Education, Health, Humanities, Computer Literature and the five elective requirements.

SAMPLE FOUR-YEAR PLAN

<p><u>9TH GRADE</u> English I Geometry Biology PE Elective Elective or Academic Support Class 9th Grade Advisory</p>	<p><u>10TH GRADE</u> English II Algebra I or II Physical/Earth Science World History or World Geography PE/Weight Lifting or Academic Support Class Elective 10th Grade Advisory</p>
<p><u>11TH GRADE</u> English III or AP Language or AP Literature Algebra II, Algebra III, AP Statistics or Business Math Chemistry/Human Anatomy/Environmental Science/ Physics American History Health/Elective Elective or Proficiency Class Junior Monitoring or Intervention</p>	<p><u>12TH GRADE</u> English IV or AP Language or AP Literature Pre-Calc/Trig/AP Statistics or Business Math Physics, Chemistry, Human Anatomy or Astronomy American Government Elective or Proficiency Class Elective Senior Monitoring or Intervention</p>

Sample Math Progressions

Algebra I, Geometry or Algebra II, Technical Math or Business Math
 Algebra I, Geometry, Technical Math, Business Math
 Algebra I, Geometry, Algebra II, Algebra III or Business Math
 Algebra I, Geometry, Algebra II, Pre-Calculus/Trigonometry or AP Statistics
 Geometry, Algebra II, Pre-Calculus/Trig, AP Statistics, Calculus

Sample Science Progressions

Biology, Physical/Earth Science, Environmental Science, Astronomy
 Biology, Physical/Earth Science, Chemistry, Physics and/or Human Anatomy
 Biology, Physical/Earth Science, Physics, Chemistry and/or Human Anatomy
 Biology, Physical/Earth Science, Environmental Science, Chemistry or Human Anatomy

Sample Health Science Program of Study

Health Science I, Health Science II, Medical Terminology and/or Nursing Asst.
 Health Science I, Health Science II, Medical Terminology, Human Anatomy
 Health Science I, Health Science II, Nurse Asst/Pharmacy Tech

Sample CTE Programs of Study

Auto I, Auto II, Auto III, Automotive Technology Advanced Topics
Welding I, Welding II, Welding III, Welding Technology Advanced Topics
Business Comp App, IT Essentials I and II, Web Design, Digital Literacy
Agriculture Science and Agriculture Mechanics

COURSES BY DEPARTMENT

ENGLISH LANGUAGE ARTS

English I - 1 credit

Grade 9

Required for Graduation

This course will familiarize incoming freshmen with study skills necessary for success in high school as well as the library and research skills. It will review the principles of grammar, usage and punctuation, build vocabulary and spelling skills, give students an opportunity for daily journal writing as well as the writing of more developed essays, stories, letters and papers. The student will have an opportunity to read, write about, and evaluate orally, various forms of literature in regard to purpose, content and style.

English II - 1 credit

Grade 10

Required for Graduation

This course is designed to further the development of writing skills through practice of the writing process and to develop interpretive skills through reading and analyzing literature. Emphasis will be on fluency (writing), form (composing, and correctness (revising), and on identifying the basic elements included in various types of literature to improve overall comprehension. High school students are expected to plan, draft, and complete written compositions. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts.

Honors English II – 1 credit

Grade 10

Prerequisite: B grade or better in previous English class. Instructor recommendation and/or approval with consideration given to MAP and StAR reading scores and passing the reading portion of the HSPE when applicable. Honors English II will cover much the same as their regular counterpart at a more rigorous pace and level. Honors students are required to present and write at a higher level, have more extensive reading requirements and more difficult and complex assignments. Honors class' grades are weighted at 1.025 for GPA purposes.

**English III - 1 credit
Required for Graduation**

Grade 11

Students will chronologically study American Literature from the colonial period to contemporary literature. This study will also include vocabulary and spelling exercises. Writing skills will be emphasized including self-expression, parts of speech, usage, and skills (resume, business writing).

AP English Language and Composition – 1 credit Grades 11 and 12

Prerequisite - B+ or better grade in previous English class, plus Instructor recommendation and/or approval with consideration given to MAP language (227 or higher) and reading scores (231 or higher), and passing the reading and writing portions of the HSPE when applicable.

This is a year-long course using American Literature in a chronological and thematic approach with nonfiction text as the main vehicle in our study of language and rhetoric. The course provides an opportunity for advanced high school students to pursue and receive credit for college-level course work completed at the high school level. Students will focus on the writing skills needed to be successful in the course, on the AP Language test in May, and in their later college work. All students must take the AP Exam for Language and Composition. AP course grades are weighted on a 5.0 scale for GPA purposes.

**English IV - 1 credit
Required for Graduation**

Grade 12

Students will study English Literature from old English to modern literature. This study will also include vocabulary. Writing skills will be emphasized including self-expression, usage, formal and informal writing. Speaking and listening skills emphasized will include speeches and multimedia presentations.

Creative Writing - .5 credit

Grades 9-12

Prerequisite – Recommended for students who are fluent writers and/or who have a desire to pursue a career in writing. This class is devoted to the exploration of forms of writing. Students will write poetry, short stories, memoirs, drama, and a script for a music video. This course does not replace English I,II,III,IV; English elective.

Literature and Reading - .5 credit

Grades 9-12

Prerequisite – Recommended for students who want a more in-depth study of challenging literature and/or who have a desire to pursue a career in writing. This class is devoted to the exploration of forms of writing. Students will read poetry, short stories, memoirs, drama, and novels. This course does not replace English I,II,III,IV; English elective.

Speech Communications and Technology - .5 credit Grades 9-12

This public speaking course is the study into the principles of ethical and effective public speaking, with practice in the construction and delivery of original speeches before an audience. To this end students will identify communication situations specific to education, business, or other professions. This will include analysis of related variables for effective communication and preparation of oral presentations. The students will examine public speaking as a workplace activity. Emphasis is placed on incorporating technology into the different types of speeches.

MATHEMATICS

Algebra I - 1 credit

Required for Graduation

This course is the foundation for the body of mathematics taught at the high school level. The students will study solutions of open sentences, graphing exponents, inequalities, and quadratic equations with emphasis on story problems and application. This demands problem solving, critical thinking, communication, and connections among mathematical topics and other subject area.

Geometry - 1 credit

Required for Graduation

Prerequisite: The successful completion of Algebra I (C or better recommended), or principal, counselor, instructor approval.

This course is designed to fulfill math credits for graduation and help students be successful on the Nevada HSP Math Exam. A recommended MAP score of 225-235 is suggested for this course. This course is also designed to help students transition into Algebra II. Topics to be covered include points, lines and planes; geometric reasoning; perpendicular and parallel lines; congruent triangles; quadrilaterals; proportions and similarity; right triangles and basic trigonometry; area and volumes of polygons; and transformations.

Algebra II - 1 credit

Required for Advanced Diploma and Millennium Scholarship

Prerequisite: Successful completion of Algebra I and Geometry (B or better recommended), MAP score of 235 or higher, or principal, counselor, instructor approval. Successful completion of the math portion of the HSPE is also recommended.

This course will include all concepts of Algebra I with more advanced concepts added in. Equations, graphs, solving word problems, percent, ratio, and

exponents will be fundamental topics. The study of functions will include these types: polynomial, absolute value, composite, and inverse. Properties of relations will be used to find solutions for open sentences of the first and second degree. In addition, systems for open sentence of the first and second degree will be included. This course will demand critical thinking and extensive problem solving skills. Algebra II emphasizes connection among mathematical topics and real world applications. Students will learn to work on their own and in cooperative groups, completing projects designed to demonstrate knowledge of mathematics and applications to life. Upon completion students will be prepared for upper level math courses.

Algebra III - .5 credit per semester 11th - 12th grade

Prerequisite: Successful completion of Algebra II (B or better recommended), MAP score of 245 or higher, principal, counselor, or instructor approval, successful completion of the math HSPE.

This course will cover advanced algebra topics such as functions and polynomials, rational exponential, logarithmic and inverses; and conic sections. This course will demand critical thinking and extensive problem solving skills. Algebra III emphasizes connection among mathematical topics and real world applications.

Business Math - .5 credit per semester 12th grade

Prerequisite: Success completion of Algebra 1 and Geometry (C or better recommended), principal, counselor, instructor approval.

This class is not sequential. Students may enter at semester.

This course is designed to use real-world business applications to apply math concepts. It is a comprehensive coverage of personal and business math topics to help prepare students for tomorrow's world.

The following business topics may be covered throughout the two terms of this course: Personal Finance, Gross Pay; Net Pay; Banking Services; Loans & Credit Cards; Spend Wisely; Own a Home or a Car; Insurance & Investments; Business Data Analysis; Business Technologies; Manage People & Inventory; Business Costs; Sales & Marketing; Business Profit & Loss; and International Business.

Pre-Calculus - .5 credit per semester 11th – 12th grade

Prerequisite: Successful completion of Algebra I, Geometry and Algebra II (B or better recommended), MAP score of 245 or higher, principal, counselor, instructor approval.

This course is a college prep course designed to prepare students for the ACT/SAT tests along with college course (i.e. Math 12 0 or Math 126). Topics to be covered include algebraic and rational expressions, factoring, linear and quadratic equations and inequalities, graphing and transformations of functions, composites of functions, polynomial and rational functions, matrices, solving systems of equations and inequalities, exponential and logarithmic functions, arithmetic and geometric sequences, permutations and combinations, and probability.

Trigonometry - .5 credit per semester **11th – 12th grade**

Prerequisite: Successful completion of Algebra I, Geometry and Algebra II (B or better recommended), MAP score of 245 or higher, principal, counselor, instructor approval.

This course is a college prep course designed to prepare students for the ACT/SAT tests along with college courses (i.e. Math 120 or 126). Topics to be covered include trigonometric functions and unit circle, right triangle trigonometry; graphs of trigonometric functions; trigonometric identities and formulas; laws of sine and cosine; polar coordinates; and vectors.

AP Statistics – 1 credit **11th or 12th grade**

Prerequisite: Successful completion of Algebra I, Geometry and Algebra II (B or better recommended), successful completion of the math HSPE, MAP score of 245 or higher, principal, counselor, instructor approval.

This course will provide the student with the skills to gather, calculate and interpret statistical data. Topics include collection of data through surveys and experiments, graphic and numeric organization of data, probability, confidence intervals and hypothesis testing. Students will explore applications of these topics to the social sciences, sports, business, government and medicine. This course entails an increased workload and demands a high level of thinking and reasoning. All students must take the AP Exam for Statistics. AP course grades are weighted on a 5.0 scale for GPA purposes.

Calculus - 1 credit **12th grade**

Prerequisite: Successful completion of Pre-Calculus (B or better recommended), MAP score of 260 or higher recommended, principal, counselor, or teacher approval.

This course is a college prep course designed to prepare students for the ACT/SAT tests along with college courses (i.e. Math 120 or 126). This course is an introductory calculus class designed to be a more realistic applications approach versus a theoretical approach. Topics to be covered include functions, derivatives, limits, exponential and natural logarithmic functions, definite integrals, and trigonometric functions.

Proficiency Math **11th – 12th grade**

This is a remedial course to help students who have not passed the Nevada HSPE. Standards from five content strands will be covered (Numbers and Operations, Algebra, Measurement and Geometry, Data Analysis) along with test taking strategies. **NOTE:** This course does not count as one of the 4 required math courses but will be counted as an elective credit.

SCIENCE

Biology I - 1 credit
Required for Graduation

9th Grade

This course is a required science course for graduation. The course is a survey of life through a study of the vocabulary, theories, research methods and controversies, history of biology, cells, genetics, classification systems, conservation, environmental issues and medical advancement. Students will be encouraged to take a new look at the world around them and at the biological happenings, research, and controversies that are now and will be in the future affecting their lives. About 1/3 of the year will be spent in lab and research activities. The other 2/3 is devoted to lectures, discussion, demonstrations and student presentation.

Physical/Earth Science - 1 credit
Required for Graduation

10th Grade

This course covers general chemistry, earth science and physics concepts. This course covers general chemistry, earth science, and physics concepts in preparation for the Nevada High School Proficiency Exam.

Chemistry - 1 credit

11th – 12th grade; 10th by dept approval

Prerequisite: Successful completion of Biology and Physical/Earth Science **OR** MAP scores of 250 in math and 225 in science with instructor's approval. Proficiency in algebra is required.

This is a yearlong laboratory science course addressing physical structures and the nature of science. Topics included are: the metric system, the periodic law, atomic theory, bond types, reaction rates, solubility, and organic chemistry. This course also covers matter: its structure, states, and interactions. In addition, there is an emphasis on qualitative analysis and semi-micro laboratory techniques. This course is designed to prepare students for college and the ACT.

Environmental Science - 1 credit

11th – 12th grade

Prerequisite: Successful completion of Biology and Physical/Earth Science
This course serves as an introduction to and covers broad aspects of environmental science and environmental studies. For all cases, the resulting environmental impacts are studied in detail. Specifically, this course examines the risks associated with growth in a developing world; environmental impact of population growth on natural resources; mineral and resource extraction; water resource uses; and renewable and non-renewable sources for future generation.

Anatomy and Physiology - 1 credit

11th – 12th grade

Prerequisite: The successful completion of Biology I
This course is an overview of the human body systems with attention to essential anatomy and physiology of these systems. Homeostatic mechanisms and general health will be studied along with discussion of some major diseases and disorders. Dissection of a fetal pig will allow students to become familiar with the names, locations, and descriptions of the organs and tissues.

Physics - 1 credit**11th – 12th grade**

Prerequisite: Successful completion of Biology, Physical/Earth Science and a strong background in math. MAP scores of 250 in math and 225 in science and permission of the instructor are required.

This course is a study of the interrelationships of energy in various natural phenomena, i.e., light, magnetism, electricity, mechanics, and nuclear structure. A good mathematical background is essential. Students will be expected to solve problems, to do lab write-ups, articles and film critiques, and to take tests. This course is designed to prepare students for the ACT test and college.

NOTE: This class may only be offered every other year.

Proficiency Science

This course is intended to help students pass the Nevada High School Proficiency Exam in science. Standards from all four content strands will be covered (Physical Science, Life Science, Earth/Space Science, and Nature of Science) along with test taking strategies.

NOTE: This course does not count as one of the 3 required science courses.

SOCIAL STUDIES**World History – 1 credit****10th Grade**

This course or World Geography is required for graduation

This course studies world history from the prehistoric period, all the way to the 19th century. You will see the birth and development of Western and Eastern civilizations, as well as the early civilizations of the Americas before Europeans from the west discovered them.

World Geography – 1 credit**10th Grade**

This course or World History is required for graduation

This course will cover basic themes in physical processes, the environment, history, culture, politics and economics. Students will learn skills needed to become informed and involved citizens in an interdependent world.

AP World History – 1 credit**10th Grade**

Prerequisites: Reading MAP 233, Language MAP 230, or administrative/instructor approval.

This course is an investigation of the development of western civilization through intense study of the following influences of western thought: ancient Israel, Greeks, Rome, medieval Europe, west European monarchies, reformation, dark ages of the 13th and 14th centuries, age of recovery, the 15th century, development of colonial empires in the 16th and 17th centuries, the industrial revolution of the 18th and 19th centuries, and finally a quick look at the modern western world. This course is an excellent preparation for college entrance exams. There may be a book reading requirement in the summer. This course entails an increased workload and demands a significantly higher level of

thinking and reasoning than the regular curriculum. All students must take the AP Exam for World History. AP course grades are weighted on a 5.0 scale for GPA purposes.

**American History - 1 credit
Required for Graduation**

11th Grade

This course is a study of the historical development of the United States. The major premise of the course is that a study of the nation's past will give students an understanding of the democratic ideals which have helped to form the American government and way of living from colonial times to the present.

**American Government - 1 credit
Required for Graduation**

12th Grade

American Government is a course designed to give seniors an overview of the governmental systems which make up our society. The course offers the study of the government at the national, state and local levels. Included in this study will be an in-depth look at the constitution, what it says and how it affects daily lives. It will examine the American political system and its effects on government and society. This course is required for all seniors for graduation.

PHYSICAL EDUCATION AND HEALTH

**Health - .5 credit
Required for Graduation**

Recommended Grade 11

This course is designed to offer students a realistic view of what health is and how to achieve and maintain good health. Students will explore human growth and development, how their behavior influences their health, how outside influences can affect health and will discuss the services and information available to help them in their journey toward good health. Topics to be covered may include: nutritional health, mental health, tobacco, drug and alcohol use, accident prevention, CPR and first aid, the role of media and technology in health, physical fitness and human sexuality.

**Psychology - .5 credit
Elective credit**

Recommended for Grade 11 or 12

This course focuses on individual behavior and why an individual thinks, feels, and reacts to certain stimuli. Major emphases will be placed on research methods, stages in childhood and adolescence, how the brain works, altered states of consciousness, psychological testing, and psychological disorders.

**Physical Education – 1 credit
Required for Graduation**

Grades 9-12

The emphasis of this course will be on basic skill development. Through participation in a number of activities, goals at the development of skill level are set, improving the overall fitness level, and increasing the interest level of the students. Students are encouraged to develop an appreciation for good health

practices and promote involvement in lifetime sports. Examples of activities units covered are: Basketball, Bowling, Flag Football, Soccer, Volleyball, Line Dancing, Trap Shooting, Golf, etc....

Weight Training – 1 credit

Grades 10-12

Prerequisite: Successful completion of at least one year of Physical Education. Students will work on the various machines and free weights in the weight room. Aerobic activity will also be a component in the course.

FINE AND PERFORMING ARTS

Choir - 1 credit

Grades 9-12

Elective Credit

This choral music program is designed to contribute to students' musical and personal growth. Instruction in various forms of vocal music will be given. This course will help students develop self-discipline, personal responsibility and a cooperative attitude.

Pep Band - 1 credit

Grades 9-12

Elective Credit

Prerequisite: At least two years playing experience or approval of the band director.

The instrumental music program is designed to contribute to the student's musical and personal growth. Instruction in wind and percussion instruments will include a study in music theory, terminology, notation and appreciation. Students will also study production and techniques on their chosen instruments. This course will help students develop self-discipline, personal responsibility and a cooperative attitude. This band is responsible for boosting school spirit at pep assemblies and home sports events.

Beginning Guitar - .5 credit

Grades 9-12

Elective Credit

This class is designed to introduce students to the basics of traditional styles of playing guitar. A basic understanding of musical notation and the ability to read music will also be covered. Students will need to provide their own instrument.

History of American Music

Elective credit

This course explores the evolution of popular music styles from the 19th century to the present. Musical forms covered will include: Ragtime, Blues, Tin Pan Alley, early Jazz, Swing, Country, Bluegrass, modern Jazz, Rhythm & Blues, Doo Wop, and all styles of Rock and Roll from the 1950s to punk, funk and hip-hop. Students will be introduced to these through reading, in-class demonstration, videos, and extensive listening.

Drama/Theatre Arts - .5 credit**Grades 9-12**

Elective Credit

Class covers basic Acting Skills from setting the stage to the Use of Body and Voice. It all end with a Theatre Production that entertains the community and gains revenue for future performances.

Quilting I - .5 credit per semester Grades 9-12 Fee: \$10 per Semester

Elective Credit

Quilting I students will learn how to safely use a sewing machine, how to accurately and safely use a rotary cutter, how to read a quilt pattern, how to accurately and safely sew quilt blocks, how to safely and neatly iron quilt blocks, how to put a quilt together either by machine quilting or hand tying, and how to neatly and accurately bind a quilt project together. Students will be expected to successfully complete a sample quilt before being considered for Quilting 2; they will also have to meet or master the above requirements mentioned before being considered for Quilting II.

Art I - 1 credit**Grades 9-12**

Elective Credit

This is a beginning art course and prerequisite to all other art classes. It is also appropriate for those familiar with art. Students will learn the Elements of Art through a variety of projects, lessons, and materials, which include drawing pencils, charcoal, pastels, watercolors, ink, tempera paint, acrylic paint, colored pencils, and scratchboard.

Art II - 1 credit**Grades 10-12****Fee: \$5.00 per Semester**

Elective Credit

Prerequisite: Successful completion of Art I with a "C" or better.

In this course, students will further study the Elements and Principles of art in more involved art projects. Materials and processes used during this course may include drawing pencils, colored pencils, charcoal, pastels, scratchboard, acrylic paints, tempera paints, watercolor paints, ink, printmaking, wood-burning, tie-dyeing, and collage.

Art III – 1 credit Grades 11 and 12 Fee dependent upon selected course of study

Prerequisite: Successful completion "C" or better in Art II and teacher approval. The student will work with the teacher to develop a plan of study (each semester) from the student's interests and skills. Students will be expected to create and maintain a portfolio of their work.

FOREIGN LANGUAGE

Spanish I – 1 credit

Grades 9-12

Foreign Language Credit

The student will learn all the introductory Spanish from colors, alphabet, greetings, to forming a sentences in the present tense and an introduction to past tense. We will listen and sing music, read stories, act out, and learn about the culture. We will celebrate Dia de los muertos and Cinco de Mayo. You will be tested on speaking as we progress throughout the year. Native speakers are encouraged to enroll in Spanish II.

Spanish II– 1 credit

Grades 10-12

Prerequisite: Successful completion of Spanish I or approval of instructor. We will review the present tense and continue with more complex grammar formation (preterit, future, and progressive for example). We will listen and sing music, read stories, act out, and learn about the culture. We will celebrate Dia de los muertos and Cinco de Mayo. We will follow the text book and have supplementary materials. Students will be graded on speaking the target language.

French I – 1 credit

The student will learn all the introductory French from colors, alphabet, greetings, to forming a sentences in the present tense and an introduction to past tense. We will listen and sing music, read stories, act out, and learn about the culture. Students will be tested on speaking as we progress throughout the year

French II – 1 credit

Prerequisite: Successful completion of French I or approval of instructor. We will review the present tense and continue with more complex grammar formation (preterit, future, and progressive for example). We will listen and sing music, read stories, act out, and learn about the culture. We will follow the text book and have supplementary materials. Students will be graded on speaking the target language.

BUSINESS, CAREER AND TECHNICAL EDUCATION (CTE)

IT Essentials I - 1 credit

Grades 10-12

Fee: \$5.00 per Semester

Prerequisite: None

This course covers the fundamentals of computer hardware and software, as well as topics in design, maintenance, and repair. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software.

IT Essentials II - 1 credit Grades 10-12 Fee: \$5.00 per Semester

Prerequisite: Successful completion of IT Essentials I

This course covers the fundamentals of computer hardware and software, as well as topics in design, maintenance, and repair. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon completion of this sequence of courses, students will qualify to sit for A+ Certification, a national industry-standard certification exam.

Computer Science I/Lego Robotics Grades 9-12 Fee: \$10.00

Prerequisite: None

This course is designed to introduce students to programming and the role of the computer in society. The areas of major emphasis in the course will be on object-oriented programming methodology, algorithms, data structures and ethics. Topics will include program design, program implementation, standard data structures and standard algorithms. This course will also use the Lego/Tetrex robotics program to learn about Object Oriented Programming and Basic computer programming languages such as Scratch and Alice to create fundamental interactive computer games.

**Web Design and Development I - 1 credit Fee: \$5.00 per Semester
Grades 9-12**

Prerequisite: None

This course is designed to introduce students to the basic elements of web design and development. Students will learn about content placement, use of color and graphics, typography and message using industry-standard software. Students are introduced to various web design languages, design concepts, and layout theory. Students will become familiar with marketing and other uses of websites; as well as ethical and legal issues related to websites.

**Digital Literacy - .5 credit Fee: \$5.00 per Semester
Grades 10-12**

Prerequisite: None

In this curriculum, you will be introduced to computers and the Internet, some productivity programs available and some devices associated with digital audio, video and photography. This curriculum also explains some of the common threats to your computer and how to safeguard your computer from these threats. You will also be introduced to different career opportunities available for you in this world of digital technology.

Principles of Business and Marketing - 1 credit Fee: \$5.00 per Semester

Grades 9-12

This course is an entry-level course in the Business Management, Entrepreneurship, and Marketing programs that develops student understanding and skill in areas such as business law, communications, customer relations, economics, information management, marketing, and operations. Students acquire knowledge of fundamental business and marketing activities, factors affecting business, develop verbal and written communications skill, and participate in career exploration and planning.

Business Software Applications - 1 credit

Fee: \$5.00 per Semester

Grades 9-12

This course is for entry-level students in Administrative Services.

This course prepares students for jobs in an office or business setting with an emphasis in either office management or accounting functions. Students will gain knowledge and proficiency of advanced web functions, word-processing applications, spreadsheet applications, presentation applications and database applications as they are used in a business environment. Students will understand and abide by policies for technology.

Speech Communications and Technology - .5 credit

Grades 9-12

This public speaking course is the study into the principles of ethical and effective public speaking, with practice in the construction and delivery of original speeches before an audience. To this end students will identify communication situations specific to education, business, or other professions. This will include analysis of related variables for effective communication and preparation of oral presentations. The students will examine public speaking as a workplace activity. Emphasis is placed on incorporating technology into the different types of speeches.

Leadership

Grades 9-12

Prerequisite: Currently hold an elected office or teacher's approval

The class is for student body officers, class officers, club officers, and any other leaders in the school community. Students will learn the basics of communication skills, group-process, self-awareness, managerial skills, and human relations. They will be required to work on a variety of school activities. The students will be graded partially on their attendance and punctuality both in the classroom and at events after school hours. Students are required to practice their public speaking throughout the year. **Students are also required to attend events that are after school and on weekends.** Responsibility and reliability are a must to pass this class. Application process may be required for admittance.

Automotive Technology I – 1 credit

Grades 9-12

Fee: \$40 per year

Prerequisite: None

This course will introduce students to the operational and scientific nature of the automotive component systems. Practical application of safe work habits and

fundamental skills such as the proper use of fasteners, safety practices, precision measuring tools, and electrical test equipment will be mastered. Students will study four-stroke cycle theory and instruction will be provided in the maintenance of fuel, intake, exhaust, ignition, lubrication, braking, cooling, and suspension systems.

Automotive Technology II – 1 credit Grades 10-12 Fee: \$40 per year

Prerequisite: Successful completion of Automotive Technology I with a “C” or better

This course is a continuation of Automotive Service Technology I. This course provides intermediate automotive technology students with laboratory activities including tasks with advanced equipment to diagnose and service modern automotive systems. This course focuses on safety, engine repair, automatic transmission, manual transmission, manual drive train, drive axles, clutch systems, suspension and steering, heating and air conditioning, engine performance, braking systems, and basic electrical systems. The appropriate use of technology and industry-standard equipment is an integral part of this course.

Automotive Technology III – 1 credit Grades 11 and 12 Fee: \$40 per year

Prerequisite: Successful completion of Automotive Technology II with a “C” or better

This course is a continuation of Automotive Service Technology II. This course provides advanced automotive technology students with in-depth study and skill development in the repair of automotive engines, engine performance, machine operations, steering and suspension service, drive train service, and air conditioning system service. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment in this field.

Automotive Technology Advanced Studies Grade 12 Fee: \$40 per year

Prerequisite: Successful completion of Automotive Technology III with a “C” or better

This course is offered to students who have achieved all content standards in a program whose desire is to pursue advanced study through investigation and in-depth research. Students are expected to work independently or in a team and consult with their supervising teacher for guidance. The supervising teacher will give directions, monitor, and evaluate the students’ topic of study. Coursework may include various work-based learning experiences such as internships and job shadowing, involvement in a school-based enterprise, completion of a

capstone project, and/or portfolio development. This course may be repeated for additional instruction and credit.

Welding Technology I – 1 credit Grades 9-12 Fee: \$40 per year

Prerequisite: None

This course will introduce the student to the concepts and practices in welding while allowing the more ambitious student to gain occupational training experience necessary to participate in the American Welding Society Certification test. This course is intended to provide students with the basic knowledge, skills, and theory in the characteristics of metals, their structure and properties, and welding technologies. Students will gain an understanding of welding equipment, tools, safety procedures, machine operation, and industrial applications, and provide them with entry-level skills for employment.

Welding Technology II – 1 credit Grades 10-12 Fee: \$40 per year

Prerequisite: Successful completion of Welding Technology I with a “C” or better

This course is a continuation of Welding I. This course provides intermediate welding students the ability to augment and further the skill and knowledge levels. Areas of study will include advanced layout and fabrication methodologies, gas tungsten arc welding of aluminum, stainless steel and TIG spot welding, welding metallurgy, and electric theory. All student activities are designed to enhance students’ skill levels toward achievement of American Welding Society certification and/or American Society of Mechanical Engineering welding certification. The appropriate use of technology and industry-standard equipment is an integral part of this course.

Welding Technology III – 1 credit Grades 11-12 Fee: \$40 per year

Prerequisite: Successful completion of Welding Technology II with a “C” or better

This course is a continuation of Welding II. This course provides advanced welding students the ability to augment and further their skill and knowledge levels. All student activities are designed to prepare the students’ skill levels to achieve the American Welding Society certification and/or American Society of Mechanical Engineering welding certification. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment in this field.

Welding Technology Advanced Studies Grade 12 Fee: \$40 per year

Prerequisite: Successful completion of Welding III with a “C” or better

This course is offered to students who have achieved all content standards in a program whose desire is to pursue advanced study through investigation and in-depth research. Students are expected to work independently or in a team and consult with their supervising teacher for guidance. The supervising teacher will give directions, monitor, and evaluate the students’ topic of study. Coursework may include various work-based learning experiences such as internships and job shadowing, involvement in a school-based enterprise, completion of a

capstone project, and/or portfolio development. This course may be repeated for additional instruction and credit.

Health Science I- 1 credit Grades 9-12 Fee: \$15 per year

One full year satisfies Health requirement

This course will introduce students to human structure and function. Area of study will include anatomy, health care delivery systems, medical terminology, emergency management, health information technology, and legal practices.

<http://www.lander.k12.nv.us/employment.html>

Medical Terminology - 1 credit Grades 10-12

Prerequisite: Health Science I

This is an on-line course designed to introduce students to the vocabulary and knowledge necessary used in health care. Students receive instruction in the vocabulary of human anatomy and physiology, basic health care skills, first aid and cardiopulmonary resuscitation, health care practices, testing procedures, medication and medical treatments.

Nursing Assistant/Nursing Assistant Lab - 1 credit Fee: \$30.00

Prerequisite: Junior or Senior standing. Must have previously taken or be currently enrolled in Health, Health Science I or II, Medical Terminology or Human Anatomy.

This class will provide students with the classroom, laboratory, and clinical experience needed to take the Nevada State Certified Nursing Assistant exam. Classroom instruction will include basic nursing skills, medical terminology, human anatomy, safety, ethical and legal issues and CPR instruction. Students will complete clinical hours at Battle Mountain General Hospital's Long Term Care unit. Some instruction will occur outside of regular school hours and is mandatory. Class is a single semester class and only offered as a 1st period/0 hour combination. Students must enroll in both Nursing Assistant and Nursing Assistant Lab.

Agricultural Science I and II

This course is an introduction and survey course of the many career areas in agriculture. Topics include scientific investigations in agriculture, basic animal science, basic plant and soil science, ornamental horticulture, natural resource management, business management, leadership and communication through FFA, and career skills. An essential part of this course will be leadership activities and Supervised Agriculture Experience Programs.

Agriculture Mechanical Engineering Technology I

This course will introduce students into the foundation skills necessary for agriculture mechanics and industry employment. Areas of study may include general shop safety, basic welding, electrical applications, water management, agricultural drafting and construction, engines and power, and machinery

maintenance and repair. An essential part of this course will be leadership activities and Supervised Agriculture Experience Programs.

Horticulture Science

Ag science I and II is a prerequisite

This course is an introductory course into the horticulture industry. Areas of study include scientific investigations in horticulture, basic plant processes and anatomy, soils, plant propagation, plant growth requirements, cultivation practices, business management, horticulture and environment, and leadership and career skills. An essential part of this course will be leadership activities and Supervised Agriculture Experience Programs.

Veterinary Science I

Ag science I and II is a prerequisite

This course is an exploration of veterinary medicine industry. It is designed to introduce agriculture students to career paths in veterinary settings and acquire a basic knowledge of the veterinary industry. Topics to be covered include basic anatomy and physiology, animal health and nutrition, and animal care. An essential part of this course will be leadership activities and Supervised Agriculture Experience Programs. The appropriate use of technology and industry-standard equipment is an integral part of this course.

SPECIAL EDUCATION COURSES

Each year, depending on specific student needs, courses are designed for students with IEP's. These courses might include Language, Essential Math, Career Transitions etc. Each student's case manager works directly with the student and parent to set up individual classes.

Study Skills – 1 credit

Grades 9-12

This course is for students with an IEP. Students receive help with homework and projects in a small group setting. Can be repeated as necessary.

OTHER ELECTIVES

Yearbook - 1 credit

Grades 9-12

This course will be limited to 10 students

Pre-requisite: interview with instructor(s) and some computer experience. Students will work with instructor(s) to build the BMHS yearbook and spring supplement. Students will be expected to take photographs during school and at after school events (dances, banquets, club meetings, sports practices, games, etc). Transportation will not be provided. Student photos will be used in the yearbook as well as teaching tools for composition, page layout and photo editing. Student work will be critiqued by instructors and other students with the emphasis on improving everyone's skills. Students will also be assigned short writing assignments to improve writing skills for captions and other yearbook

related tasks. The overall class emphasis will be on photography, page layout and caption writing, with our main goal as the yearbook itself. Students will be required to sign a behavior/expectation contract.

Office, Teacher or Library Assistant*

Grade 12

Prerequisite: Approval of instructor and/or administrator. Must have passed all HSP exams or be enrolled in the appropriate HSPE remediation classes. Must be passing all classes. Students will assist in the office, classroom or library with various jobs and tasks as assigned.

*Library assistant may be approved for 11th graders second semester.

Internship

Grades 11 and 12

Prerequisite: Must have passed all HSP exams or be enrolled in the appropriate HSPE remediation class or classes. Must be passing all classes.

Students will explore careers in a real work setting. Activities depend upon career goals and the worksite. Portfolio development is a key component of the Internship experience. Must have own transportation.