

SWEET GRASS COUNTY HIGH SCHOOL

Big Timber, Montana 59011

STUDENT REGISTRATION GUIDE

2019-2020 SCHOOL YEAR

This guide is subject to change

Definitions of Terms Used in This Guide

Credit:

In the high school years, nine through twelve, a unit of credit (one credit) is awarded for the successful completion of the work of any class meeting one full period per school day for an entire school year.

A Required Course:

A required course is one that must be successfully completed before graduation.

Prerequisite:

A prerequisite is a requirement that must be fulfilled before a particular course may be taken usually the completion of a more basic course. Some courses have prerequisites; some do not.

SGHS Graduation Requirements

English	4 years
**Research Paper	Junior Year
Math	2 years
Science	2 years
American History	1 year
Government	1 year
Vocational Education	2 semesters
Family Consumer Science, Business, Agriculture	
Financial Literacy	1 semester
*junior year *	
Health Enhancement	2 semesters
freshman and sophomore year	
Fine Arts	2 semesters
Art or music	

Rigorous Core Courses

(Montana Honors Scholarship)

(SGHS Valedictorian and Salutatorian requirement)

(For students with a 3.4 GPA & above)

Mathematics	4 years
Algebra I, II, and Geometry (or the sequential content equivalent) and a course beyond Algebra II (such as Pre-Calculus, Calculus, Statistics or course equivalent). All with grades of C or better.	
English	4 years
Science	3 years
Earth Science, Biology, Chemistry, Physics, A.P. Biology and/or other lab sciences	
Social Studies	3 years
Global Studies (world history, world geography), American history and Government. Economics, American Indian history or other third-year course.	
Electives	3 years
Recommendation: 2 years of a second a language, and music, fine arts, speech/debate, career/technical education.	

Montana University System

Regent's College Preparatory Program-
4 year universities

English	4 years
Math	3 years
*Algebra I, Geometry and Algebra II (or the sequential content equivalent of these courses) Students are encouraged to take a math course their senior year.	
Science	2 years
Earth Science, Biology, Chemistry, Physics, A.P. Biology and/or other lab sciences	
Social Studies	3 years
Global Studies (world history, world geography), American history and Government. Economics, American Indian history or other third-year course.	
Electives	2 years
World language (preferable two years), computer science, visual and performing arts, or vocational education	

NCAA Eligibility Requirements

(16 Core Courses)

3 years of English.
2 years of mathematics (Algebra I or higher)
2 years of natural/physical science
3 year of additional English, mathematics or natural/physical science.
2 years of social science
4 years of additional course

NAIA Eligibility Requirements

High school graduation, plus two out of three of these requirements
— Achieve a minimum overall high school GPA of 2.0 on a 4.0 scale.
— Graduate in the top half of your high school class.
— Achieve the NAIA's minimum test score requirement:

- 18 ACT or
- 940 SAT (Evidence-Based Reading and Writing + Math), if taken in March 2016 or after.

SWEET GRASS COUNTY HIGH SCHOOL COURSES

<u>Course</u>	<u>Credit</u>	<u>Class</u>	<u>Page</u>
AG. ED.			
Ag. Business	1/2	9-12	5
Ag. Communication	1/2	10-12	5
Ag. Construction	1/2	10-12	5
Ag. Entrepreneurship	1/2	10-12	5
Ag. Leadership	1/2	10-12	5
Agri-Science	1/2	9-12	5
Ag. Technology	1/2	9-12	6
Ag Welding	1/2	9-12	6
Advanced Metal Fabrication	1/2	10-12	6
Ag. Woodworking	1/2	9-12	6
Advanced Ag. Woodworking	1/2	9-12	6
Computer Applications in Agriculture	1/2	9-12	6
Animal Science	1/2	9-12	7
Intro to Agriculture	1/2	9-12	7
Natural Resources	1/2	9-12	7
Small Gas Engines/Electrical Wiring	1/2	9-12	7
Plant Science	1/2	9-12	7
ART			
Art I	1/2	9-12	8
Art II	1/2	10-12	8
Computer Graphics	1/2	11-12	8
Leather, Wood and Multi Media Art	1/2	11-12	8
Pottery	1/2	11-12	9
Pottery II	1/2	11-12	9
BUSINESS & COMPUTERS			
Computer Programming	1/2	11-12	10
Advanced Programming I	1/2	11-12	10
Yearbook: Publishing and Management	1	10-12	11
ENGLISH			
Communication Arts I, II, III	1	9-12	12
Honors English I	1	9	13
English I	1	9	13
A.P. English	1	11-12	13
Journalism	1	11-12	13
Modified English I, II, III, IV	1	9-12	14
Composition	1/2	10	14
Language and Literature	1/2	10	14
English Literature I	1/2	10-12	14
Film & Literature	1/2	11-12	14
Frontier Literature	1/2	10-12	15
Science Fiction	1/2	10-12	15
Shakespeare	1/2	10-12	15
Speech & Debate	1/2	10-12	15
World Literature I	1/2	10-12	15
Creative Writing	½	10-12	16
Mythology	1/2	10-12	16
Novel	1/2	10-12	16
Poetry	1/2	10-12	16
Themes in Literature	1/2	10-12	17
World Literature II	1/2	10-12	17
English Literature II	1/2	10-12	17

FAMILY AND CONSUMER SCIENCE

Culinary Arts I & Nutrition	1/2	9-12	18
Culinary Arts II	1/2	10-12	18
Hospitality and Tourism	½	9-12	18
Interior Design	1/2	9-12	19
Quilting and Fiber Arts	1/2	9-12	19
Sports and Adventure Gear	1/2	9-12	19
Fashion Design	1/2	9-12	19
Financial Literacy	1/2	11-12	20
Early Childhood & Parenting	1/2	9-12	20
Adult Living	1/2	9-12	20

HEALTH ENHANCEMENT

Health Enhancement I	1/2	9	21
Health Enhancement II	1/2	10	21
Advanced Physical Education	1/2	11-12	21

HISTORY

World History	1/2	9-12	22
U. S. History	1	11	22
Government	1	12	23
A.P. United State Government & Politics	1	11-12	23

MATH

Integrated Math I	1	9-12	24
Integrated Math II	1	10-12	24
Technical Math	1	11-12	24
Algebra I	1	9-12	25
Geometry	1	9-12	25
Algebra II & Trigonometry	1	10-12	25
Precalculus	1	11-12	25
A.P. Calculus AB	1	11-12	26
A.P. Statistics	1	11-12	26
Modified Math	1	9-10	26

MUSIC

Band	1/2	9-12	28
Beginning Guitar	1/2	9-12	28
Advanced Guitar	1/2	9-12	28
Chorus	1/2	9-12	29
Music History	1/2	9-12	29
World Music	1/2	9-12	29

PARTNERS-IN-LEARNING

Partners-in-Learning	varies	9-12	39
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SCIENCE

Earth Science	1	9-10	30
Biology I	1	9-12	30
Biology II	1	10-12	30
Honors Biology	1	9-10	31
Chemistry	1	11-12	31
Physics	1	11-12	31
A.P. Biology	1	11-12	31

TEACHING ASSISTANT

	1/4	9-12	32
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WORLD LANGUAGES

Spanish I, II, III, and IV	1	9-12	33
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AG. EDUCATION**Course:** Agricultural Business (Fall Semester)**Grade:**9-12**Prerequisites:** Algebra 1**Credit:** ½**Description:** This course is intended for the student who is interested in the financial world of agriculture. All aspects of finances will be covered including financial instruments, credit, basic accounting, markets, financial strategies and economic principles.**Course:** Agricultural Communications (Fall Semester)**Grade:** 10-12**Prerequisites:** None**Credit:** ½**Description:** This course is designed for the student who wishes to enhance their communication skills and become a more marketable person in the working world. The class will consist of oral and written communication skills (TV interviews, video, Podcasts, press releases, digital written pieces, social media, etc.), sales and service skills, and marketing principles.**Course:** Ag. Construction (Either Semester)**Grade:** 10-12**Prerequisites:** Ag. Woodworking I with a “B” or better, advisor’s discretion**Credit:** 1/2**Description:** This course is designed for the Ag student who wishes to develop their skills in the area of building construction. The course will be project based. Students learn the basic safety aspects of most construction tools and construction situations. Final project involves building a wood stud framed building.**Course:** Agricultural Entrepreneurship (Spring Semester)**Grade:** 10-12**Prerequisites:** Agricultural Business**Credit:** ½**Description:** The main focus of this class will be to go over the marketing, management, and finances of owning an Ag Business. Students will learn to develop a marketing plan, understand risk, loan options and management practices. Students will choose a business to develop a plan for. The Montana Entrepreneurship Challenge curriculum will be utilized throughout the course.**Course:** Agricultural Leadership (Fall Semester)**Grade:** 10-12**Prerequisites:** Introduction to Agriculture (AgEd I)**Credit:** ½**Description:** In this course, students will develop and refine their leadership skills through topics like character development, time management, working as a team, public speaking, proper communication methods, and event planning. The class will work through reading a leadership related book, prepare and deliver speeches, and potentially plan a service related event. They will also have time to work on award applications relating to their Supervised Agricultural Experiences, the Big Timber FFA chapter, and grants/scholarships.**Course:** Agricultural Science (Spring Semester)**Grade:** 9-12**Prerequisites:** Introduction to Agriculture (AgEd I)**Credit:** ½**Description:** This course is designed to cover the new “areas” of agriculture. Topics include Embryology which includes hatching chicks as a project, a robotics project, Design & Development using a dragster kit and Alternative Agriculture: aquaponics etc. This course will be a lab-based class with many lab activities to develop skills in the broadening areas of agriculture, including the Environmental Sciences.

Course: Agricultural Technology (Spring Semester)

Grade: 9-12

Prerequisites: Intro to Agriculture (AgEd I)

Credit: ½

Description: This course is designed for the mechanical or technology students who wish to develop their skills in various areas of agriculture technology. Areas to be covered include precision agriculture technology, Ag Engineering, GPS, GIS, Drones, Genetic Engineering, Biotechnology, etc. Some use of design programs such as AutoCAD, 3D printer software, and Google Sketchup will also be present.

Course: Ag Welding I (Fall Semester)

Grade: 9-12

Prerequisites: None

Credit: 1/2

Description:

The students will learn the safe use of the SMAW, MIG and oxy-acetylene welders. Proper welding technique and basic metal joint welding will be covered. The students will also learn the proper metal cutting method using oxy-acetylene and Plasma Arc equipment. Other topics: careers, electrode selection, tip selection, and metal identification.

Course: Advanced Metal Fabrication (Formerly Advanced Welding) (Fall Semester)

Grade: 10-12

Prerequisites: Ag Welding I with a “B” or better, advisor’s discretion

Credit: 1/2

Description:

The students will design and construct an advanced metals project demonstrating the safe use shop tools and equipment. Emphasis will be placed on planning, cutting, fitment, out-of-position welding technique and project-related math calculations. Other topics: careers, plasma arc cutting, brazing, and TIG welding.

Course: Ag Woodworking (Fall Semester)

Grade: 9-12

Prerequisites: None

Credit: 1/2

Description:

Ag Woodworking provides the students the opportunity to plan and build individual projects using various tools and techniques. Proper tool adjustment, safe tool use and quality workmanship will be emphasized.

Course: Advanced Ag. Woodworking (Spring Semester)

Grade: 9-12

Prerequisites: Ag. Woodworking with a “B” grade or better, advisor’s discretion.

Credit: 1/2

Description: This class is designed to further the student’s knowledge and capabilities in the woods lab. Great time is taken for planning as well as attention to detail. Topics covered may include: wood turning, cabinet making, lamination, advanced joinery and project design before completing at least one large wood project.

Course: Computer Applications in Agriculture (Spring Semester)

Grade: 9-12

Prerequisites: None

Credit: ½

Description: Microsoft Word 2016 will be used for word processing units. An in depth study of Word 2016 features will be covered as well as formatting skills. Tables, mail merging, special formats, macros and desktop publishing will be covered. PowerPoint 2016 will be used for preparation of presentations. Several slideshows will be completed using template designs, autolayout, autosshapes, and clip art. Microsoft Excel 2016 is a powerful spreadsheet program that allows students to organize data, complete calculations, make decisions, graph data, and develop professional

looking reports. Objectives include: teaching the fundamentals of Microsoft Excel 2016 and acquainting students with proper procedures to create worksheets suitable for coursework, professional purposes in Agribusiness and personal use. Microsoft Access 2016 is a program known as a database management system. A computerized database management system allows you to store, retrieve, analyze, and print information. 99% of the students' time will be spent working on the computer.

Course: Animal Science (Fall Semester)

Grade: 9-12

Prerequisites: Introduction to Agriculture (Ag Ed I)

Credit: ½

Description: Animal Science is designed to provide the student with a basic understanding of animal agriculture. Topics covered include: the origin of livestock, animal breeds, meat science, animal husbandry, nutrition, genetics, animal anatomy and physiology, animal selection, diseases and careers.

Course: Introduction to Agriculture (Formerly Ag Ed I) (Either or Both Semesters)

Grade: 9-12

Prerequisites: None

Credit: ½

Description: This is the introductory course to the Sweet Grass Co. High School AgEd program. Students in this course will be exposed to the FFA, Parliamentary Procedure, Personal Development, Supervised Agricultural Experiences, Lab Safety, Fabrication of Projects, Animal Science, and Plant Science.

Course: Natural Resources in Agriculture (Fall Semester)

Grade: 9-12

Prerequisites: None

Credit: ½

Description: The class is designed educate the students on natural resource management. Time will be spent learning issues about several different industries including forestry, wildlife management, and soil/water conservation. Students will learn about careers available and develop skills related to them.

Course: Small Gas Engines/Electrical Wiring (Either or Both Semesters)

Grade: 9-12

Prerequisite: None

Credit: 1/2

Description: This course is designed for the student who has an interest in electrical wiring and small gas engines. The course will cover the principles of wiring and internal combustion engines and students will complete several wiring projects, as well as do a complete overhaul on a small gas engine.

Course: Plant Science (Spring Semester)

Grade: 9-12

Prerequisites: Introduction to Agriculture (AgEd I)

Credit: ½

Description: This course is intended for the second year Ag-Ed students whose interest is more science based as opposed to mechanical based. Topics to be covered include Plant Growth and Development, Floral Design, Horticulture/Landscape Design, Range Management, Crop Production/Agronomy. Students will also gain a greater understanding of the the diverse careers relating to Plant Science.

ART

Course: Art I

Grade: 9-12

Prerequisites: None

Credit: 1/2

Description: This course is a full year course. Students may enroll in either semester or both. Students will study the elements of art. Semesters will begin with projects that reflect the history of art. Different mediums plus student's imagination will be applied to create artwork. Drawing, painting, printmaking, ceramics and a variety of projects will be completed. Tests, critiques, and a research paper will be used for student evaluation. Portfolios will be used to collect and protect student work. Students' work will be exhibited at an end of the year Art Show. Class discussion will reflect how important art has impacted history and how it has influenced and served as a record of the world.

Course: Art II

Grade: 10 -12

Prerequisites: At least 1 semester of Art I

Credit: 1/2

Description: This course is a full year course. Students may enroll in either semester or both. Students will study design and more thoroughly explore a variety of media and techniques. Class time will be devoted to individuals working in their preferred medias. Group projects will also be part of the curriculum.

Course: Computer Graphics (Spring Semester)

Grade: 11-12

Prerequisites: Two Semesters of an Art Class

Credit: 1/2

Description: This course will give students the opportunity to apply their art talents while learning the features of a computer graphics program and photography. Topics in this project-based course include using the paint tools, working with objects in the draw layer, the effective use of color, perspective drawing, and three-dimensional figures. Projects could range from drawing a cartoon face to applying the principles or perspective in designing a cityscape. It would also integrate visual art concepts and technology with the goal of communicating effectively to an audience. Students will analyze, interpret and evaluate works of art using a responding process and create a portfolio of their work. Through class and community activities, students will explore related careers, assume leadership roles and will practice employment skills.

Course: Leather, Wood and Multi Media Art (Fall Semester)

Grade: 11-12

Prerequisites: Two Semesters of Art Classes

Credit: 1/2

Description: This course will give students the opportunity to study the basic design and production of traditional Western leather carving products as well as contemporary designs that are unique to contemporary crafters. The student would also explore the basic craft of wood to produce projects that exercise the use of plan, kits, and the use of hand tools. Students will also be able to utilize these types of crafts into Jewelry Craft, using leather, wood, pottery beads and hemp rope. (Additional Fee Required for Materials)

Course: Pottery (Fall Semester)

Grade: 11-12

Prerequisites: None

Credit: 1/2

Description: The elements and principles of Art will be taught to help students learn Art terminology when working with pottery. The students will learn the process and history of pottery. The development of varied clays and their uses will be examined. Students will hand-build, coil, sculpt and use the wheel to create all types of pottery.

The process to bisque, fire and glaze will be covered throughout the semester. Different techniques in firing and glazing will be presented and use throughout the projects. Loading and firing the kiln along with a variety of firing processes will be discussed. Students will research and examine pottery throughout history, enhancing the students' knowledge of how important and vast pottery has been throughout the world.

Course: Pottery II (Spring Semester)

Grade: 11-12

Prerequisites: Pottery I with an A average.

Credit: ½

Description: The elements and principles of Art will be taught to help students learn Art terminology when working with pottery. The students will learn the process and history of pottery. The development of varied clays and their uses will be examined. Students will hand-build, coil, sculpt and use the wheel to create all types of pottery. Students will make up their Independent Projects at the beginning of the semester, focusing on specific projects to further their pottery expertise. For example, hand building, throwing, glazes would be the student's specific objective for taking the advanced class.

The process to bisque, fire and glaze will be covered throughout the semester. Different techniques in firing and glazing will be presented and use throughout the projects. Loading and firing the kiln along with a variety of firing processes will be discussed. Students will research and examine pottery throughout history, enhancing the students' knowledge of how important and vast pottery has been throughout the world.

BUSINESS & COMPUTERS

COURSE: Computer Programming (CSCI 191) (Dual Credit)

GRADE: 11-12

PREREQUISITES: Must go through the Partners-In-Learning application process.

CREDIT: 1/2

COURSE DESCRIPTION:

This course is offered for dual credit. Any student who would like to earn 3 semester college credits must fill out a form and pay the appropriate fee (approx. \$140) to Montana Tech. If students take the course for college credit they will earn a letter grade from the college, but may opt for a pass/fail for their high school transcript. Students who do not opt for college credit will earn a letter grade for their high school transcript.

Course Requirements:

Complete Modules 1-5 and all requirements of CSCI 191

The student will learn the following key concepts:

- What is programming?
- Writing code to process data – Assign values to variables, I/O, computation
- Write code to make decisions – if, if-else, nested conditionals
- Writing code to loop – Do while, for loops
- Manipulating arrays
- Writing algorithms to solve problems
- Translating the algorithm to code
- Problem solving
- Modular programming (methods)

COURSE: Advanced Programming—Independent Study Only

GRADE: 11-12

PREQUISITES: Must go through the Partners-In-Learning application process.

CREDIT: 1/2

COURSE DESCRIPTION:

This is an advanced computer-programming course using the latest first year college computer language (typically JAVA or Python). Students solve increasingly difficult problems, which require a strong mathematical background and skills in problem solving. Students complete a comprehensive semester project.

A student might decide to complete an AP Computer Science course through Montana Digital Academy or another reputable source.

COURSE: Yearbook: Publishing and Management

GRADE: 10-12

PREREQUISITES: None

CREDIT: 1 (Full Year Course)

COURSE DESCRIPTION:

This class will culminate with the creation of an 80 - 100 page yearbook --- SGHS Timberline (with deadlines throughout the school year). This is a yearlong elective in vocational education - computer department. This class is open to grades 10-12. We encourage participation for a broad coverage of student life. Topics covered include: photography basics (35mm and digital), scanner applications, photo editing, layout and design applications, advertising sales and production, record keeping and sales.

Criteria for 2nd & 3rd year editors:

**Consent of Instructor

Positive Leaders

Responsible

Grade in 1st year class: A- or above

Photo taking and extras in 1st year class: A

Must be a good English student with above average spelling and grammar skills

Any students that meet these criteria will be allowed to take the class again as a editor. Editors will complete advanced photoshop and pagemaker lessons. They will have extra duties in the class including assisting students, training students, editing pages, creating templates, creating database for ads accounts and sales, etc.

Year three students must come up with an independent plan of study for additional skills. One area that is recommended would be Adobe Illustrator, which is used in graphic design. Another area is movie editing and production.

ENGLISH

Year Long:

COURSE: Communication Arts I**GRADE:** 9, or 10 if took Modified I**PREREQUISITES:** Combination of teacher recommendation & standardized test scores.**CREDIT:** 1**COURSE DESCRIPTION:**

This course is designed to provide students with continued support in the development of the literacy skills necessary to complete the English requirements at SGHS. Throughout the course, students will continue to improve their reading, writing, speaking, and listening skills through a variety of projects which study multiple genres: poetry, short stories, narratives, speeches, critical essays, and novels. Directed vocabulary and grammar enrichment will support students' overall literacy development.

COURSE: Communication Arts II**GRADE:** 10, or 11 after Communication Arts I**PREREQUISITES:** Combination of teacher recommendation & standardized test scores.**CREDIT:** 1**COURSE DESCRIPTION:**

Communication Arts II covers units in novel, short story, poetry, drama (Julius Caesar), nonfiction, grammar, vocabulary, composition, research process, and research speech. Students will learn organization through the use of a portfolio. A research project involving periodicals, books, primary sources and internet sources will be completed.

Communication Arts II is a year-long required English course, completed in either the sophomore or junior year, which is divided into two semesters and is designed to provide students with continued support in the development of the literacy skills necessary to complete the English requirements at SGHS. Throughout the course, students will continue to improve their reading, writing, speaking, and listening skills through a variety of projects which study multiple genres: poetry, short stories, narratives, speeches, critical essays, and novels. Directed vocabulary and grammar enrichment will support students' overall literacy development. During the second semester, students will receive explicit instruction in preparation for the independent research project that is a graduation requirement.

COURSE: Communications Arts III**GRADE:** 11, or 12 after Communication Arts II**PREREQUISITES:** Combination of teacher recommendation & standardized test scores.**CREDIT:** 1**COURSE DESCRIPTION:**

Communication Arts III covers units in novel, short story, poetry, drama, nonfiction, grammar, vocabulary, composition, and research process. Students will learn organization through the use of a portfolio.

Communication Arts III is a year-long required English course, completed in either the junior or senior year, which is divided into two semesters and is designed to provide students with continued support in the development of the literacy skills necessary to complete the English requirements at SGHS. Throughout the course, students will continue to improve their reading, writing, speaking, and listening skills through a variety of projects which study multiple genres: poetry, short stories, narratives, speeches, critical essays, and novels. Directed vocabulary and grammar enrichment will support students' overall literacy development. Students will receive explicit guidance towards the independent research project that is a graduation requirement.

COURSE: Honors English I

GRADE: 9

PREREQUISITES: Advanced course for freshmen English students with demonstrated aptitude and ability based on past performance and staff recommendations.

CREDIT: 1

COURSE DESCRIPTION:

Honors English serves as a survey course that introduces students to the other offerings at SGHS. Honors English includes a variety of literature, including short stories, mythology, the *Odyssey*, poetry and Shakespeare. Other topics include research, composition, speech, creative writing, vocabulary and grammar. Students who complete this course will be scheduled to take Composition the fall semester of their Sophomore year. Students will then be free to choose any Junior/Senior English offering the second semester of their Sophomore year.

COURSE: English I

GRADE: 9

PREREQUISITES: None

CREDIT: 1

COURSE DESCRIPTION:

English I serves as a survey course that introduces students to the other offerings at SGHS. English I includes a variety of literature, including short stories, mythology, poetry and Shakespeare. Other topics include research, composition, speech, creative writing, vocabulary and grammar. Students who complete this course will be scheduled to take Language and Literature the fall semester of their Sophomore year and Composition the spring semester of their Sophomore year.

COURSE: A.P. English

GRADE: 11-12

PREREQUISITES: A or B in past English courses & on the Junior Research paper; strong English skills.

CREDIT: 1 credit

COURSE DESCRIPTION:

AP English engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The course includes intensive study of representative works from various genres and periods from American and British literature, concentrating on works of recognized literary merit. They read deliberately and thoroughly, taking time to understand a work's complexity, to absorb its richness of meaning, and to analyze how that meaning is embodied in literary form. In addition to considering a work's literary artistry, students reflect on the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context provides a foundation for interpretation. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. A.P. English is for preparation for the advanced placement language and composition test. Students choosing to take the A. P. exam may pay a fee (Students who qualify for free/reduced lunch may also qualify for a "fee-reduced" exam) to earn possible college credit.

COURSE: Journalism

GRADE: 11-12 (Senior 1st preference)

PREREQUISITE: A or B in past English classes

CREDIT: 1 (full year course)

COURSE DESCRIPTION:

Students will read and analyze excellent journalism ranging from local to worldwide sources. Students will become active, responsible, well-informed journalists. Students will conduct interviews, take pictures, and write effective news, features, sports and editorial articles. Students will maintain the school newspaper website, Instagram account and other social media responsibilities related to school news and preservation of our stories. Students will sell ads and prepare ads as well as layout the school paper using digital publishing technology. Speaking and listening skills are honed through website, social media, podcast and video journalism projects.

COURSE: MODIFIED ENGLISH I, II, III, IV

GRADE: 9 – 12

PREREQUISITES: Consent of Instructor

CREDIT : ½ per semester

COURSE DESCRIPTION: This class is designed to replace a general education English course for students that qualify. All modified English courses are generally smaller in class size, paced at a student level and are mini-versions of what is offered at SGHS, depending on student need and class make-up. The ultimate goal of a modified English class is to build skills in the areas of reading fluency, reading comprehension, critical thinking and written expression so the transition into a general education English course is possible, when and if appropriate.

Semester Long Courses Offered Both Semesters:

COURSE: Composition

GRADE: 10

PREREQUISITES: Honors English I, Lang. and Lit.

CREDIT: 1/2

COURSE DESCRIPTION:

The Sophomore Composition class focuses on the research project and readies students to complete the required Junior research project required for graduation. Sophomores will complete a research paper and other research projects as required by the instructor. In addition, Sophomore Composition class may include other writing projects and the study of some works of American literature.

Fall Semester:

COURSE: Language and Literature

GRADE: 10 (or 11 or 12 with consent of instructor)

PREREQUISITES: English I

CREDIT: 1/2

COURSE DESCRIPTION:

Language and Literature is designed to introduce students to Latin & Greek word roots to help improve vocabulary and understanding. It also includes an emphasis on Grammar and its role in writing complete, well-rounded, interesting compositions. The literary selections focus on American authors and students will explore a broad sampling poetry, short stories, essays, and novels. It will be important to consider a variety of historical and cultural influences that generated the different types of literature for which America has become famous. Work hard, ask questions, do your homework, study, and we will have fun learning together!

COURSE: English Literature I (British Literature)

GRADE: 11-12, Honors 10

PREREQUISITES: None

CREDIT: 1/2 per semester

COURSE DESCRIPTION:

British Literature I is a semester-long elective English course designed to provide students with an overview of the British literary tradition from the Anglo-Saxon period to the beginning of the Modern era, roughly AD 800-1800. Students will become familiar with the linguistic, cultural, and political history of Great Britain through the focused study of literary trends and major authors of each era. In addition, this course is designed to enhance and supplement the research skills and independent critical and analytical literacy skills that students work to develop throughout their English studies at SGHS.

COURSE: Film and Fiction

GRADE: 11-12, Honors 10

PREREQUISITE: None

CREDIT: ½

COURSE DESCRIPTION:

Film and Fiction is a semester-long elective English course designed to provide students with an introduction in film literacy and an opportunity to critically compare storytelling in text and film forms. Students will become familiar with film terminology, a

variety of film genres, and particular stories in both written and film forms. Class discussion and focused writing exercises will cultivate not only the critical, analytical and evaluative literacy skills that students develop during their English studies at SGHS, but their imaginative reading and writing and *viewing* sensibilities as well.

COURSE: Frontier Literature

GRADE: 11-12, Honors 10

PREREQUISITE: NONE

CREDIT: 1/2

COURSE DESCRIPTION:

Although this class is an English course, the literature and discussions are often historical in nature. Native American culture will be examined through literature and research projects. We question what is the “frontier”? As well as examining the “myth of the West”. Students will become familiar with Montana literature and its various stylistic features. Themes, literary devices, character development and historical context will be examined. Class discussion and focused writing exercises will cultivate the critical, analytical and evaluative literacy skills that students develop during their English studies at SGHS.

COURSE: Science Fiction

GRADE: 12, 11, Honors 10

PREREQUISITE: None

CREDIT: 1/2

COURSE DESCRIPTION:

This elective is designed to appeal to the student reader who enjoys the genres of science fiction. The course is designed to distinguish science fiction from other genres and how it reveals insight into the human condition, both real and imagined. A variety of literature is studied to help cultivate critical, analytical and evaluative literacy skills. Creative projects, reading and study will help students develop their English studies at SGHS.

COURSE: Shakespeare

GRADE: 11-12, Honors 10

PREREQUISITE: NONE

CREDIT: 1/2

COURSE DESCRIPTION:

The course encompasses a study of the Renaissance in Britain, Shakespeare, his time and his literature, and theatre. Students will read, study, and watch several plays including comedy and tragedy. Shakespeare’s language, character development, themes and literary devices will be examined. Common themes and techniques are compared and contrasted in all the plays studied. Students will act, create costumes and props, and learn stage combat in order to understand the texts.

COURSE: Speech & Debate

GRADE: 11-12, Honors 10

PREREQUISITE: None

CREDIT: 1/2

COURSE DESCRIPTION:

Speech and Debate is a semester-long elective English course designed to provide students with an introduction to the art of rhetoric and a variety of opportunities to develop their public speaking skills. Through formal informative and persuasive speeches, value and policy debates, and informal class presentations and discussions, students will not only cultivate their speaking and listening abilities, but they will enhance their critical, analytical and evaluative thinking skills as well. Focused work on spoken presentations will be supported by a variety of reading, research and analytical writing activities.

COURSE: World Literature I

GRADE: 11-12, Honors 10

PREREQUISITES: None - World History helps!

CREDIT: 1/2

COURSE DESCRIPTION:

World Literature will explore poetry, short stories, plays, essays and novels. This semester long class focuses on European authors. Students will learn about the cultural and historical events that have shaped the development and growth of literature from Europe. We will use different techniques to critically analyze our reading with regards to culture, events, etc. that help to shape each country’s literature and perspective. We will explore different literary styles and themes and compare them to our own lives and experiences.

Spring Semester:**COURSE: Creative Writing****GRADE: 12, 11, Honors 10****PREREQUISITE: None****CREDIT: 1/2****COURSE DESCRIPTION:**

Students will learn various processes of brainstorming and composing excellent writing. Students will read various examples of excellent creative writing in novels, poetry, and stories. Students will write poetry, personal and fictional narratives, autobiographical pieces, children's lit, and essays. Students will use imagery to enhance the effectiveness and develop a personal, individual style with a natural voice. Students will use appropriate language and style for a specific audience and purpose. Students will choose words effectively and learn to workshop with peers and learn to edit one's own papers. Students will learn to vary sentence structure.

COURSE: Mythology**GRADE: 11-12, Honors 10****PREREQUISITE: NONE****CREDIT: 1/2****COURSE DESCRIPTION:**

Mythology is a semester-long elective English course designed to provide students with an understanding of myth as a way of thinking and an opportunity to investigate the relationship between myth and culture, society, and literature. Students will become familiar with selections from the myth traditions of Greece, Scandinavia, India, China, Africa, and Native America. In addition to developing students' familiarity with particular stories, this course is designed to enhance and supplement the research skills and independent critical and analytical literacy skills that students work to develop throughout their English studies at SGHS. Group work, discussions, oral presentations, expository and creative writing, and storytelling skills are developed. Vocabulary and etymology are also studied.

COURSE: Novel**GRADE: 11-12, Honors 10****PREREQUISITE: None****CREDIT: 1/2****COURSE DESCRIPTION:**

Students will read at least four novels from a variety of authors to determine novel structure, characterization, and various literary devices. Students will compare and contrast elements within and between novels. Students will write a variety of letters and essays. Setting, characterization, theme, and symbolism are examined. Technology skills such as blogging, document sharing, and web-based programs are developed.

COURSE: Poetry**GRADE: 11-12, Honors 10****PREREQUISITES: None****CREDIT: ½****COURSE DESCRIPTION:**

Students will learn to define poetry and recognize and use a variety of poetic forms including many modern poetic discourses.. Interpret and find meaning in a variety of poetry. Experience the power and beauty of rhythm, sound and sense. Examine visual, verbal and musical modes of poetry. Use various computer applications for publishing poetic works. In addition, this course is designed to enhance and supplement the research skills and independent critical and analytical literacy skills that students work to develop throughout their English studies at SGHS.

COURSE: Themes in Literature

GRADE: 11-12, Honors 10

PREREQUISITE: None

CREDIT: 1/2

COURSE DESCRIPTION:

Students study a variety of genres centered on corresponding themes. Students will write creative pieces and essays, participate in discussions, and design presentations and projects. Class discussion and focused writing exercises will cultivate not only the critical, analytical, and evaluative literacy skills that students develop, but their imaginative and empathetic reading and writing sensibilities as well. In addition, this course is designed to enhance and supplement the research skills and independent critical and analytical literacy skills that students work to develop throughout their English studies at SGHS.

COURSE: World Literature II

GRADE: 11-12, Honors 10

PREREQUISITES: None - World History helps!

CREDIT: 1/2

COURSE DESCRIPTION:

World Literature II is a semester-long elective English course designed to provide students with literature from other countries. Students will engage with materials from the following regions: Africa, the Middle East, Latin America, India, Asia, and Australia. Students will also gain an overview of historical, cultural and literary events from non-Western traditions. In addition, this course is designed to enhance and supplement the research skills and independent critical and analytical literacy skills that students work to develop throughout their English studies at SGHS.

COURSE: English Literature II (British Literature)

GRADE: 11-12, Honors 10

PREREQUISITES: None

CREDIT: 1/2 per semester

COURSE DESCRIPTION:

This course is an overview of the British literary tradition from the Romantic, Victorian and Twentieth Century. Short Stories, poetry, essays, novels, and plays written by British, Scottish, and Irish authors are studied. Students will become familiar with the linguistic, cultural, and political history of Great Britain through the focused study of literary trends and major authors of each era. In addition, this course is designed to enhance and supplement the research skills and independent critical and analytical literacy skills that students work to develop throughout their English studies at SGHS.

FAMILY & CONSUMER SCIENCES

COURSE: Culinary Arts I and Nutrition (Either or Both Semesters)

GRADE: 9-12

PREREQUISITES: None

CREDIT: 1/2 credit per semester

COURSE DESCRIPTION:

This course promotes healthy eating, physical activity and a wide variety of topics, including cultural diversity, food customs, food technology, nutrition for athletes and people on the go and basic food preparation skills. This is a fun and exciting hands-on atmosphere where students will prepare various food items and gain basic culinary skills for preparing and serving food. The student will learn skills in breads, meats, Dorm Room cooking, Crock pot and Instant Pot use,, fruits and vegetables, food preservation, and soups. The class will focus on nutrients/ guidelines from MyPlate, food technology, knife skills, safety and sanitation (ServSafe), basic food and culinary preparation, meal planning, costs and careers. The opportunity to eat is available in this class every week. The learning couldn't be more fun!

Note: This program of study has been approved as a Montana Career Pathway with approval from the University of Montana-College of Technology, Culinary Arts Program.

COURSE: Culinary Arts II (Spring Semester)

GRADE: 10-12

PREREQUISITES: Culinary Art I

CREDIT: 1/2 credit per semester

COURSE DESCRIPTION:

Culinary Arts II is the second of a sequential pathway that focuses on a variety of topics. These might include appetizers, soups, breads, pastries, cake decorating, foreign foods, Mastering the Art of French Cooking—Julia Child, sandwiches, meats, Bed and Breakfast Lodging—meals, pasta and meal planning. Safe and Proper knife skills and ServSafe background will be stressed throughout the unit. Students will be exposed to the latest in food industry technology, food service, wait staff and Menu planning. This is a lab-based class setting; however, it does include demonstrations, field trips, and speakers. Students will prepare and serve a Thanksgiving meal and take part in “Dutch Oven” cooking at a local ranch. This is a Montana Career pathway for Hospitality/Tourism. This course is to be interactive, student-centered, collaborative and cooperative.

COURSE: Hospitality and Tourism (Fall Semester)

GRADE: 9-12

PREREQUISITES: Culinary Art I

CREDIT: 1/2 credit per semester.

COURSE DESCRIPTION:

Students will gain knowledge in career opportunities in the Hospitality, Tourism, and Recreation Industries. Areas of study will focus on the Food Service Industry: food and beverages, coffee/kiosk, caterer, hotel food services, purchasing and receiving, food safety and sanitation, wait staff, and roles of food preparation. Career exploration in areas of Lodging: Bed and Breakfast, Guest ranches, Full-Service Hotels, Concierge service, Resorts, housekeeping and guest services, Travel and Travel Guide, Theme Park Manager and Event planner. Business basics will be analyzed in reference to record keeping, advertising, marketing, payroll, insurance, building codes and licenses. Students will design a small business/portfolio in reference to a career within the field of Hospitality, Tourism, Food, Lodging, Travel and Recreation. The class setting will consist of guest speakers, field trips, movie clips, job shadowing, financial literacy, project based presentations, some food preparation and work with the local Sweet Grass Chamber of Commerce.

COURSE: Interior Design (Fall Semester)**GRADE: 9-12****PREREQUISITES: None****CREDIT: ½ credit per semester****COURSE DESCRIPTION**

This course examines the relationship of housing to people's needs. Students will create sketches, visual presentations, computer aided floor plans, portfolios, and swatch boards. A basic background in home construction, outdoor living spaces and landscaping will provide the student opportunities to design various housing styles. Students will apply design principles and elements to specific rooms, such as kitchens, baths, home offices, and storage areas. The class participates in touring 10 or more homes in the Bozeman area (Parade of Homes) and several appliance stores. A Billings field trip will provide a hands on study in Flooring, doors, carpet/tile and a Cabinet Design center. Learn to become a designer using furniture, carpet, paint, window treatments and technology! Google sketch software is an active part of the design projects.

COURSE: Quilting and Fiber Arts (Fall Semester)**GRADE: 9-12****PREREQUISITES: None****CREDIT: ½ (Can also be used as a fine arts credit)****Limit: 10****COURSE DESCRIPTION:**

This course is an introduction for all beginning and moderate sewing skill levels. Students will gain an appreciation for the art of making quilts and the history behind the meanings of quilt styles, quilt blocks and time-period fibers. This is a creative class that encourages students to experiment with color, fibers, quilt block techniques, quilting equipment and computerized sewing machines. Students will construct 3 projects within the course. This is a fun class for both males and females. There is a small expense for the purchase of fabric and supplies.

COURSE: Sports and Adventure Gear (Spring Semester)**GRADE: 9-12****PREREQUISITES: None****CREDIT: ½ credit per semester****Limit: 10**

Students learn basic design and construction skills using technical fabrics to make projects for the outdoor/sports industry. The skills will introduce and prepare students for employment opportunities in the outdoor/sports industry. This course will strengthen comprehension of concepts and standards outlined in STEM education. Students will gain skills in sewing, fabric use (Gore Tex, Polar Fleece, Nylon, Cotton, Polyester, and Wool). Construction projects would consist of but not limited to: hammock, backpack, ski-type mask(Balaclava), first aid roll kit, sleeping bag pillows for camping, stuff sack, mittens and snow caps.

COURSE: Fashion Design and Entrepreneurship (Spring Semester)**GRADE: 9-12****PREREQUISITES: None****CREDIT: ½ credit per semester****COURSE DESCRIPTION:**

Fashion! This course introduces students to the exciting world of fashionable apparel and the fashion industry. Students will learn about clothing design and selection, textiles, smart consumer, marketing trends, designers, principles of design and color usage, wardrobe planning and the many careers associated with the fashion world. Students will develop a background knowledge concerning the evolution of the modern history of costume and fashion in Europe and United States from the 1850 to 1980; viewing authentic samples of clothing, drawing and decipher the "Vintage" reference. Activities include attending the Billings market, designing a "sustainable" piece of clothing (recycled), window displays, drawings, sewing a fashion design for an 18" doll and completing a fashion portfolio.

COURSE: Financial Literacy (Both Semesters)

GRADE: 11

PREREQUISITES: Required for Graduation/ enrollment Junior year

CREDIT: ½ credit per semester

COURSE DESCRIPTION:

This course gives students a framework for thinking through financial choices in order to improve their well-being. Decisions require action. Instruction focuses on hands-on activities, lecture, group discussion, use of technology, scenarios and other methods. A brief overview of the class: Investing in yourself, Credit cards, Identity fraud, Spending plans, Debit cards, Insurance, Taxes, Banking, Renting, Paychecks and paycheck stubs, Living Expenses, Giving to others, Credit Scores and Estate Planning. This class allows students to better understand the challenges of budgets, being independent and deal with financial ups and downs that life will bring. A Career Unit is offered through this class in reference to: resumes, CIS project, Career Exploration, and Scholarships.

COURSE: Early Childhood and Parenting (Spring Semester)

GRADE: 9-12

PREREQUISITES: Adult Living is encouraged but not required.

CREDIT: ½ credit per semester

COURSE DESCRIPTION:

This course studies the child from conception to age five. Emphasis is placed on planning for children, parenting skills, pregnancy-birth, the effects of substance abuse on the unborn fetus, and effective discipline without verbal and physical abuse. The class covers child health and safety; and physical, social, emotional, and mental development. Students will experience the responsibility of being a parent through an electronic baby simulator.

COURSE: Adult Living (Fall Semester)

GRADE: 9-12

PREREQUISITES: Early Childhood and Parenting is encouraged but not required.

CREDIT: ½ credit per semester

COURSE DESCRIPTION:

Students will gain the knowledge and skills to financial literacy in order to make informed decisions as they assume adult roles and responsibilities. Learn how to be on their own, live in an apartment or dorm. Management, decision-making, coping with stress and conflict resolution skills will be developed during units focusing on citizenship, finding a job, budgeting, dating, relationships, and communication skills, insurance, credit and crisis. Demonstrate skills in grocery shopping, meals on a budget, apartment and dorm cooking will be explored. Other topics include travel, costs of moving, basic sewing skills (create a travel bag), clothing care and repair.

HEALTH & P.E.**COURSE: Health Enhancement I****GRADE: 9****PREREQUISITES: None****CREDIT: 1/2 per semester****COURSE DESCRIPTION:**

This course is designed to teach the learner that total health includes the physical, emotional, intellectual, and social growth, development, and well-being of the person. This course will provide information, education, services and support in helping students be responsible for their health. The student will learn to practice principles of safe living and disease prevention. Overall fitness will be stressed throughout the semester with an emphasis on health education and fitness. The program will help develop social skills and improve self-confidence and self-esteem. Individuals will learn how to practice behaviors which promote and maintain intellectual, physical, emotional, and social well-being.

COURSE: Health Enhancement II**GRADE: 10****PREREQUISITE: Health Enhancement I****CREDIT: 1/2 per semester****COURSE DESCRIPTION:**

This course is designed to reinforce the practice of behaviors which promote and maintain intellectual, physical, emotional, and social well-being. Learners will appreciate that a healthy lifestyle is a right and responsibility of every individual and community. Students will identify professional services and support groups available. Students learn to appreciate lifetime fitness and recreational activities. The program will afford opportunities for learners to develop a sense of responsibilities and the qualities of leadership, and teamwork.

COURSE: Advanced Physical Education (Either Semester)**GRADE: 11-12****PREREQUISITES: Health Enhancement I & II , consent of the instructor****CREDIT: 1/2 per semester****COURSE DESCRIPTION:**

This course is designed to promote and maintain lifetime physical fitness. The course will give learners the skills and knowledge in nutrition, conditioning, flexibility and weight training, and 5 major components of fitness training. Students will create and design training programs and fitness circuits.

HISTORY

COURSE: World History

GRADE: 9-12

PREREQUISITE: None

CREDIT: 1/2 per semester

COURSE DESCRIPTION:

Overall, the purpose of World History is for students to develop an historical perspective, in global terms, of the human experience. Special attention is given to the process of change. Students will develop analytical and interpretive skills. They will work with a variety of media. Students will be expected to clearly and thoughtfully communicate ideas through class discussion, oral presentation, and written work.

ANCIENT WORLD HISTORY - Ancient civilizations from Egypt to China and the Americas; including classical Greece and Rome. The time frame includes the ancient civilizations to approximately 500 AD.

WORLD MOVEMENTS – Beginning with Persia and Byzantium around 200 AD and moving through the development of Islam, imperial China, new empires in Asia, feudalism, and the Renaissance and Reformation in Europe, through about 1700 AD.

REVOLUTION AND THE MODERN WORLD – Including the years between 1400 and 1900, the course covers the Scientific Revolution, the Enlightenment, the French Revolution, European expansion, the Industrial Revolution and Imperialism.

THE GREAT WARS (1900-1950) – This course will enlist a global perspective in exploring WWI and WWII, the Holocaust, communism, changing political boundaries, and regional alliances.

THE COLD WAR TO THE PRESENT (1950-present) – This course will enlist a global perspective in exploring the Cold War as global process, and a contemporary look at issues in international politics, international relations, and the global economy.

COURSE: United States History

GRADE: 11

PREREQUISITES: None

CREDIT: 1

COURSE DESCRIPTION:

All junior level students are required to complete one full year of American History. The primary purpose of American History is to familiarize students with the people, events, and forces that shape(d) the country in which we live. Particular emphasis is placed on better understanding the complex nature of change and the interaction of various influences associated with it. Students will work with a variety of media and experience a diverse classroom atmosphere.

Topics included, but not limited to:

The westward movement in America from early explorers and mountain men to farm and ranch settlement with emphasis on the impact of native populations. The western pioneer settlement {mining towns, cow towns, outlaws and lawmen}, resource discovery and exploitation, Montana as a western state and various government policies associated with the west. The conflicts (military, social, political and cultural) that America has been involved in and traces the causes, the outcomes and the impacts on peoples, countries and foreign relations. The social, cultural and political movements in America, the cause and effect as well as the impact those movements have on people, places etc. Movement topics include but are not limited to: Immigration, The Gilded Age, Social Reform, Industrial Revolution, Labor Movements, The Roaring Twenties, Age of Consensus (1950s), Red Scare, Music, 1960s Counter Culture, Civil Rights, Vietnam Protests, and current issues in America. The conflicts (military, social, political and cultural) that America has been involved in and traces the causes, the outcomes and the impacts on peoples, countries and foreign relations.

COURSE: American Government

GRADE: 12

PREREQUISITE: None

CREDIT: 1

COURSE DESCRIPTION:

All senior level students are required to complete one full year of U.S. Government (one class in the Fall semester and one class in the Spring semester). The primary purpose of the class is to acquaint students with the philosophies, structures, and processes of federal, state, and local governments. A variety of media is used in the course. To enhance understanding of how government works, students identify and participate in a variety of governmental activities and simulations. Students continue to develop critical reading and thinking skills, and are required to communicate information and varying points of view.

COURSE: AP United States Government and Politics

GRADE: 11-12

PREREQUISITES: Strong interest in Political Science, and A or B in U.S. History

CREDIT: 1

COURSE DESCRIPTION:

This class is preparation for the AP test in US Government and Politics and fulfills the Problems in American Democracy requirement for seniors. Content area is based on an in depth study of this topic, including:

1. Constitutional principles that are the basis of US government
2. Shared and diverse political beliefs, behaviors, and culture
3. The role of political parties, interest groups, and mass media in the US democracy
4. The three branches of government
5. Public policy, including policy-making, agendas, bureaucracy, and interaction among different groups
6. Development and expansion of civil rights and civil liberties.

MATH**COURSE: Integrated Math I****GRADE: 9-12****PREREQUISITES: Qualified through test scores, grades, and teacher recommendations. First semester credit must be earned before continuing second semester.****CREDIT: ½ per semester**

COURSE DESCRIPTION: Integrated I is intended for students that may have struggled with mathematics in the past that need additional attention and a smaller class setting for more individualized teacher instruction. The fundamental purpose of Mathematics I is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, organized into units, deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Mathematics I uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. The mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

**Course description courtesy of the Common Core State Standards

COURSE: Integrated Math II**GRADE: 10-12****PREREQUISITES: Integrated Math I. First semester credit must be earned before continuing second semester.****CREDIT: ½ per semester**

COURSE DESCRIPTION: The focus of Mathematics II is on geometry and linear expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from Mathematics I as organized into 6 critical areas, or units. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with their quadratic algebraic representations, round out the course. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that student experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

**Course description courtesy of the Common Core State Standards

COURSE: Technical Math**GRADE: 11-12****PREREQUISITES: Integrated Math II or Geometry. First semester credit must be earned before continuing second semester.****CREDIT: ½ per semester**

COURSE DESCRIPTION: *Technical Mathematics* introduces key, applied mathematics for engineering technologists and technicians. The class covers conversions to different units of measure (standard and/or metric) and other topics as required by specific businesses and industries, providing a go-to resource on the topic. Building on these foundations, it then explores concepts in arithmetic, introductory algebra, equations, inequalities, and modeling, graphs and functions, measurement, geometry, and trigonometry, all the while supporting these concepts with practical applications in a variety of technical and career vocations, including automotive, allied health, welding, plumbing, machine tool, carpentry, auto mechanics, HVAC, and many other fields. In addition, class provides practical examples from a vast number of technologies.

COURSE: Algebra I**GRADE: 9-12****PREREQUISITES: Pre-Algebra, successful completion of eighth grade mathematics, or consent of instructor. First semester credit must be earned before continuing second semester.****CREDIT: 1**

COURSE DESCRIPTION: The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra I than has generally been offered. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

COURSE: Geometry**GRADE: 9-12****PREREQUISITES: Algebra I (1 year) or equivalent course-work with consent of the instructor. First semester credit must be earned before continuing second semester.****CREDIT: 1**

COURSE DESCRIPTION: In this course, students explore geometry using Geometer's Sketchpad, TI-92, and real world situations. Using inductive reasoning, students make conjectures based on their explorations, which they later prove deductively. Topics covered include: basic geometric terminology, area, volume, trigonometry, properties of circles, triangles, polygons, geometric solids, deductive proofs (very little emphasis), and transformational geometry. An attempt is made to relate the geometric principles to real world contexts.

COURSE: Algebra II & Trigonometry**GRADE: 10-12****PREREQUISITES: Algebra I & Geometry, or as a co-requisite with Geometry with consent of the instructor. First semester credit must be earned before continuing second semester.****CREDIT: 1**

COURSE DESCRIPTION: Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Algebra II & Trigonometry is a prerequisite to Precalculus.

COURSE: Precalculus**GRADE: 11-12****PREREQUISITES: Algebra II & Trigonometry or equivalent course work with consent of instructor. First semester credit must be earned before continuing second semester.****CREDIT: 1**

COURSE DESCRIPTION: During the first semester, advanced math concepts and precalculus content is presented. Students explore concepts from graphical, numerical, and technological perspectives. The application and extension of Algebra, Trigonometry, and Geometry comprise the first semester. The second semester concentrates on beginning Calculus topics and concepts. This course is intended to prepare students for college coursework. First semester Precalculus is a prerequisite to second semester.

COURSE: Advanced Placement Calculus AB**GRADE: 12****PREREQUISITES: A or B in Precalculus or equivalent course work with consent of instructor. First semester credit must be earned before continuing second semester.****CREDIT: 1**

COURSE DESCRIPTION: AP Calculus exposes high school students to college-level material. After the student takes the AP exam, colleges and universities may grant credit, course placement or both to students dependent on their test score. At the very least, AP Calculus prepares students for the future by giving them tools that will serve them well throughout their college careers. Advanced Placement Calculus covers differential and integral calculus topics that are typically included in an introductory Calculus I college course.

There is a fee for the AP exam. Approx. \$85.00.(Students who qualify for free/reduced lunch may also qualify for a "fee-reduced" exam.)

COURSE: Advanced Placement Statistics**GRADE: 11-12****PREREQUISITES: A or B in Algebra II & Trigonometry or equivalent course work with consent of instructor. First semester credit must be earned before continuing second semester.****CREDIT: 1**

COURSE DESCRIPTION: AP Statistics exposes high school students to college-level material. After the student takes the AP exam, colleges and universities can then grant credit, placement or both to students who have done so. At the very least, AP Statistics prepares the students for the future by giving them tools that will serve them well throughout their college careers. Advanced Placement Statistics covers four major topics including exploratory analysis, planning a study, probability, and statistical inference which typically included in an introductory statistics college course.

There is a fee for the AP exam. Approx. \$85.00.(Students who qualify for free/reduced lunch may also qualify for a "fee-reduced" exam.)

COURSE: Modified Math I, II, III, IV**GRADE: 9-12****PREREQUISITES: Consent of Instructor****CREDIT: 1**

COURSE DESCRIPTION: This class is designed to replace a general education math course for students that qualify. All modified math courses are generally smaller in class size, paced at a student level and are mini-versions of what is offered at SGHS, depending on student need and class make-up. The ultimate goal of a modified math class is to build skills in the areas of math fluency, math foundations, and problem solving so the transition into a general education math course is possible, when and if appropriate.

MUSIC**COURSE: Band****GRADE: 9-12****PREREQUISITES: Previous experience or training****CREDIT: 1/2****COURSE DESCRIPTION:**

- Students must provide own instruments or rent (specialty) instruments from the school.
- Previous experience and training is necessary.
- Uniform care and maintenance are required. Annual rental fees paid by the students apply to the dry-cleaning costs.
- The study and performance of concert band literature is the major goal and emphasis of the year, and participation is mandatory. Concert performances include the Fall Concert, Christmas Concert, Pre-District Festival Concert, District Music Festival, Pops Concert, the Southern Montana Invitational Band Festival, and Graduation Ceremonies.
- Performance activities also include marching band at football games and parades, pep band at 18 home volleyball games, boys basketball games, and girls basketball games. As many as nine post-season athletic tournaments are also a possibility. There are many other community performances throughout the year, including rodeo parades, Memorial Day Services, and various holiday activities.
- Grading is determined largely by participation, and by graded solos, and periodic testing.
- Chair seating is determined by audition on assigned literature.
- Goals are reached through a cooperative team effort in daily rehearsals that is an integral part of the student's evaluation for grading.

COURSE: Beginning Guitar (Fall Semester)**GRADE: 9-12****PREREQUISITES: Must provide own guitar.****CREDIT: 1/2 per semester****COURSE DESCRIPTION:**

- Develop a variety of styles-develop a mixture of techniques and skills.
- Instrumental concepts-melodies, solos, ensembles.
- Accompaniment concepts-chords, singing and playing.
- Improvisation
- Left-hand techniques-open chords progressing to bar chords.
- Right-hand techniques-flat pick (used in rock, country, blues, folk, and popular styles) and finger-style (used in classical, folk, blues, and popular styles).
- Grading is based on assigned solos, notebooks, worksheets and written exams.

COURSE: Advanced Guitar (Spring Semester)**GRADE: 9-12****PREREQUISITES: Beginning guitar and must provide own guitar.****CREDIT: 1/2 per semester****COURSE DESCRIPTION:**

- Develop a variety of styles-develop a mixture of techniques and skills.
- Instrumental concepts-Melodies, solos, ensembles.
- Accompaniment concepts-chords, singing and playing.
- Improvisation
- Left-hand techniques-open chords progressing to bar chords.
- Right-hand techniques-flat pick (used in rock, country, blues, folk, and popular styles) and finger-style (used in classical, folk, blues, and popular styles).
- Grading is based on assigned solos, notebooks, worksheets, and written exams.

COURSE: Chorus
GRADE: 9-12
PREREQUISITES: None
CREDIT: 1/2 per semester

COURSE DESCRIPTION:

Chorus is a class in the fundamentals of singing. Prior experience singing in choir is helpful but not required. Students will study and perform music from a variety of cultures and time periods. Class also includes an emphasis on basic music literacy and theory.

Choir members are required to perform in several evening concerts throughout the year, as well as other occasional public performances. Students enrolled first semester will perform at the Holiday Concert and sometimes a Fall Concert. Students enrolled second semester will perform at District Music Festival, a Festival Concert, and the Pops Concert in May. Students enrolled in choir for at least one semester will be eligible to audition for Sweet 16, a select, extra-curricular performing group. Choir students are also eligible to perform solos and small ensembles at District Music Festival in the spring.

COURSE: Music History (Fall Semester)
GRADE: 9-12
PREREQUISITES: None
CREDIT: 1/2 per semester

COURSE DESCRIPTION:

A music history class will provide students with an opportunity to explore the evolution of western music through listening, playing and research. Students will develop a better understanding a greater appreciation for music, culture and history.

COURSE: World Music (Spring Semester)
GRADE: 9-12
PREREQUISITES: None
CREDIT: 1/2 per semester

COURSE DESCRIPTION:

A music history class will provide students with an opportunity to explore, experience and research the cultural and historic richness as well as musical diversity around the world. Students will focus on music and culture from Africa, Australia, Asia, South America, American Indians, and Europe. Throughout the class, students will develop an understanding of relationships between culture and music, and the relationships of cultures around the world.

PARTNERS-IN-LEARNING

COURSE: Partners-in-Learning
GRADE: 9-12
PREREQUISITES: Must have consent of PIL coordinator and the Differentiated Curriculum Committee.
CREDIT: ½ per semester per class period.

COURSE DESCRIPTION:

Partners-in-Learning is a differentiated curriculum that offers alternative electives to students. PIL is intended to enhance standard curriculum by providing practical and extended related experiences.

Independent Study

Job Shadow	Mentor/Student Contract (P/F Grade)
Service Learning	
School-Based Enterprise	
Apprenticeships	
Internships	

Extended Study

Course Extension	Instructor/Student Contract (Letter or P/F)
On-line Courses	
Correspondence Courses	
Distance Learning (college courses)	

Modified Study

Non-qualifying	Standard Allotted Credit (Letter Grade)
	IEP--Instructor/Guidance/Administration
	Student/Parent (P/F Grade)

SCIENCE

COURSE: Earth Science
GRADE: 9-12
PREREQUISITES: None
CREDIT: 1

COURSE DESCRIPTION:

Earth Science will involve the use of the metric system to express ideas in a standard method. The use of the scientific method will be given as an approach to solve problems. The students will learn about geological principles such as plate tectonics, mapping and rock mineral identification. Also the student will learn about Astronomy and Oceanography. Other areas of concern will be the safety of the environment, the use of recycling, and local features that have been affected by geological processes.

COURSE: Biology I
GRADE: 9-12
PREREQUISITES: None
CREDIT: 1

COURSE DESCRIPTION:

Biology is the study of life. In order to examine the content and structure of biology and to take into account the needs and problems of the student, the course has been arranged into the following units:

1. Biological Principles
2. Cells
3. Plants
4. Invertebrates
5. Vertebrates
6. Ecology

COURSE OBJECTIVES:

Students should develop an increased understanding of biological ideas within the major units of the program. Students should gain the ability to recognize biological problems to formulate reasonable hypothesis, establish experimental controls and the ability to interpret data and modify interpretations as new information is obtained. Students should gain knowledge of measurement and experimental error, learn essential laboratory skills and develop an interest in devising methods to solve unexplained problems.

COURSE: Biology II
GRADE: 10-12
PREREQUISITES: Biology I
CREDIT: 1

COURSE DESCRIPTION:

Biology is the study of life. In order to examine the content and structure of biology and to take into account the needs and problems of the student, the course has been arranged into the following units:

1. Genetics
2. Evolution
3. Microorganisms
4. Human Biology
5. Anatomy and Physiology
6. Ecology

COURSE OBJECTIVES:

Students should develop an increased understanding of biological ideas within the major units of the program. Students should gain the ability to recognize biological problems to formulate reasonable hypothesis, establish experimental controls and the ability to interpret data and modify interpretations as new information is obtained. Students should gain knowledge of measurement and experimental error, learn essential laboratory skills and develop an interest in devising methods to solve unexplained problems.

COURSE: Honors Biology

GRADE: 9-10

PREREQUISITES: Algebra I and must have shown ability and aptitude in science based on past performance, standardized test scores and staff recommendations.

CREDIT: 1

COURSE DESCRIPTION: The Honors Biology curriculum is designed to accommodate students with both a high level of science understanding and who may be interested in a more challenging course than is offered by the traditional Biology I and II courses. The curriculum includes a condensing of the primary curriculum items from both Biology I and Biology II.

1st Semester (Biology I)

1. Biological Principles
2. Classification
3. Cells and Molecules
4. Plant Biology
5. Ecology

2nd Semester (Biology II)

1. Genetics
2. Principles of Evolution
3. Microbiology
4. Human Biology

COURSE: Chemistry

GRADE: 11-12

PREREQUISITES: Must have completed Algebra and Geometry along with Honors Biology

COREQUISITE: Algebra II & Trigonometry

CREDIT: 1

COURSE DESCRIPTION:

Chemistry will teach the proper use of chemicals and safety techniques. With the use of chemicals must come an understanding of the metric system to show the proper representation of measurements. An understanding of the properties of the periodic table and compounds used within the class is necessary. Once this background information is covered, balancing reactions, solving mole-mole problems, introducing kinetic theory and bonding types are covered while using the techniques above.

COURSE: Physics

GRADE: 11-12

PREREQUISITES: Minimum of Algebra II

CREDIT: 1

COURSE DESCRIPTION:

Physics will involve the use of the metric system in problem solving. The application of mathematics such as geometry, algebra and trigonometry will be shown through problem solving. Physics has three main divisions including mechanics, electricity and wave properties (light & sound). Mechanics covers Newton's Laws and the principles of thermodynamics. Electricity involves the understanding of the subatomic particles and the use of electrons in showing static charge, circuits and currents. Wave properties include the properties of refraction, reflection, diffraction and interference. The use of the lens equations will also be applied.

COURSE: A.P. Biology

GRADE: 11 - 12

PREREQUISITES: Completion of Honors Biology or completion of Biology I, Biology II, and Chemistry. Special cases instructor approval may be considered.

CREDIT: 1

COURSE DESCRIPTION:

AP Biology is a course intended to provide a college level biology experience within the high school setting. Upon completion of the course, students will be prepared to pursue further study in both the sciences and other academic areas. While the intent of the

course is to attain mastery in a curriculum similar to that of an introductory college biology course, students will also gain problem solving and organizational skills useful in preparation for a college biology course.

The course content is divided into three parts that are integrated into eight major themes. With the integration of the topics into themes, the course provides both a global perspective and an encompassing view of modern science. Each of the following topics is combined within the curriculum: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. Included in the course are required laboratory projects that are intended to enhance problem solving skills and laboratory techniques.

There is a fee for the AP exam. Approximately \$85

TEACHING ASSISTANT

COURSE: Teaching Assistant

GRADE: 9-12

PREREQUISITES: 3.0 GPA and no "D's" the preceding semester. Only one period during study hall, must be recommended in writing by a teacher/staff member prior to registration.

CREDIT: ¼

DESCRIPTION:

The duties of that position depend on the specific situation but will generally include:

- Making copies of tests/worksheets
- Assisting with lab or activity setup or cleanup
- Possible grading of homework or quizzes
- Cleaning up work areas or files
- Updating inventories or other records
- Working on projects for classroom or school system needs
- Possible trips around Big Timber businesses to get classroom supplies

WORLD LANGUAGES

COURSE: Spanish I

GRADE: 9-12

PREREQUISITES: None for Spanish I

CREDIT: 1/2 per semester

COURSE DESCRIPTION:

This course is designed to guide students toward functional communicative proficiency while developing a general insight into how languages work. The goals are to enable students to function in a Spanish-speaking culture, use the language for a lifetime of personal enjoyment and enrichment, appreciate the role of Hispanic cultures in a global context, and to continue expanding their communicative proficiency for further education or for the workplace. Even if students never speak the language after leaving school, they will for a lifetime retain the cross-cultural skills and knowledge, the insight, and the access to a world beyond traditional borders.

COURSE: Spanish II

GRADE: 10-12

PREREQUISITES: Spanish I

CREDIT: 1/2 per semester

COURSE DESCRIPTION:

This course is designed as a continuation of Spanish I. Students will be guided toward functional communicative proficiency while developing a general insight into how languages work. The goals are to enable students to function in a Spanish-speaking culture, use the language for a lifetime of personal enjoyment and enrichment, appreciate the role of Hispanic cultures in a global context, and to continue expanding their communicative proficiency for further education or for the workplace. Even if students never speak the language after leaving school, they will for a lifetime retain the cross-cultural skills and knowledge, the insight, and the access to a world beyond traditional borders.

COURSE: Spanish III

GRADE: 11-12

PREREQUISITES: Spanish I and Spanish II

CREDIT: 1/2 per semester

COURSE DESCRIPTION:

This course is designed as a continuation of Spanish I and Spanish II. Students will be guided toward functional communicative proficiency while developing a general insight into how languages work. The goals are to enable students to function in a Spanish-speaking culture, use the language for a lifetime of personal enjoyment and enrichment, appreciate the role of Hispanic cultures in a global context, and to continue expanding their communicative proficiency for further education or for the workplace. By studying another language, students will gain a knowledge and understanding of the cultures that use that language. By learning another language students will make connections between their native language and a foreign language, which will enable them to develop greater insight into their own language and culture and realize that multiple ways of viewing the world exist.

Course: Spanish IV

Grade: 12

Prerequisites: Spanish I - III

Credit: 1/2 per semester

Description: This course is designed as a continuation of Spanish I, II & III. Students will be guided toward functional communicative proficiency. The goals are to enable students to function in a Spanish-speaking culture, use the language for a lifetime of personal enjoyment and enrichment, appreciate the role of Hispanic cultures in a global context, and to continue expanding their communicative proficiency for further education or for the workplace. Students will gain a knowledge and understanding of the cultures that use the target language. Students will make connections between their native language and the target language. Multiple ways of viewing the world will increase within the students cognitive realm.