



Forward Thinking, High Achieving.

High School



Briar Park, Hellgate

Course Guide 2014-2015

IMPORTANT INFORMATION CONCERNING SOCIAL STUDIES/WORLD LANGUAGES

The **Social Studies/World Languages** Curriculum is under review by the school district during 2013-2014. Some of the social studies and world languages courses listed in this Course Guide could be changed after the review is complete. If necessary, the counselors at each high school will adjust student schedules prior to the 2014-2015 school year.



Amy Heis, Hellgate

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Kayden Rees – Willard

MISSOULA COUNTY PUBLIC SCHOOLS

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HIGH SCHOOL ADMINISTRATORS

	BIG SKY	HELLGATE	SEELEY SWAN	SENTINEL
PRINCIPAL	Brian Fortmann	Lisa Hendrix	Kathleen Pecora	Tom Blakely
ASSOCIATE PRINCIPAL/ATHLETIC DIRECTOR	Amy Shattuck	Lynn Farmer		Pete Hasquet
DEAN	Jennifer Courtney	Ted Fuller		Libby Oliver

GRADUATION REQUIREMENTS

Missoula County Public Schools requires that freshman students enrolling during and after the 2010-11 school year earn 24 credits to graduate. *Students enrolled prior to the 2010-11 school year are required to earn 22 credits to graduate.

Freshman students enrolling during and after the 2013-14 school year are required to successfully complete 3 math credits during high school. **Students enrolled prior to the 2013-14 school year are required to successfully complete 2 math credits during high school

MISSOULA COUNTY PUBLIC HIGH SCHOOL REQUIREMENTS FOR GRADUATION

English-Language Arts (EN)	4.00 credits
Health Enhancement (HE)	2.00 credits
Mathematics (MA) (includes 1 credit Algebra 1)	3.00 credits (**2.0)
Science (SC) (includes 1 credit Integrated Earth, Space & Physical Science and 1 credit Biological Science)	2.00 credits
Social Studies (SS) (includes 1 credit U.S. History, 1 credit U.S. Government, and .5 credit Social Studies Elective)	2.50 credits
Career and Technical Education (CTE) (chosen from the program areas below)	1.00 credit
Agriculture, Business & Marketing, Family & Consumer Science, Health Science, Industrial Technology	
Fine Arts (AR) (chosen from the program areas below)	1.00 credit
Music, Theatre Arts, Visual Arts	
*Electives (EL)	8.50 (**9.5) (*7.5)
*Total Credits Required to Graduate	24.00 credits (*22)

THESE DISTRICT REQUIREMENTS SUBSTANTIALLY EXCEED STATE REQUIREMENTS

A student who wishes to graduate early should talk to his/her counselor to develop a plan to fulfill all credits and requirements in less than four years.

Credits for transfer students will be evaluated on an individual basis by your high school counselor to determine graduation requirements.

In compliance with Title IX requirements, all classes and activities at Missoula County Public High Schools are open to all students without discrimination according to sex.

OPTION OF DUAL CREDIT WITH UNIVERSITY OF MONTANA

The “OPTION OF DUAL CREDIT” is indicated for certain courses throughout this Course Guide. Dual Credit means that you may be able to earn university credit, in addition to high school credit, for a specific high school course. Additional requirements and/or university fees may apply. Please talk to the course teacher or your counselor if you are interested in taking a course that offers the “OPTION OF DUAL CREDIT.”

INTERNATIONAL BACCALAUREATE PROGRAMME

The International Baccalaureate Programme (IB) is currently offered at Hellgate for Juniors and Seniors. Students may take International Baccalaureate courses either as part of the full IB Diploma Programme or as individual classes. Students choosing the full IB Diploma take six academic IB courses during the junior and senior year. Students choosing individual IB courses in their junior and senior year are eligible to take IB examinations to earn a completion certificate for each course. Please schedule an appointment with your counselor or the IB coordinator regarding this opportunity. MCPS intends to offer the IB Programme throughout the District in future years.

ACADEMIES

The Health Science Academy based at Big Sky, is the first STEM (Science, Technology, Engineering, & Mathematics) academy offered at MCPS. It includes biomedical and veterinary programs. MCPS intends to offer a variety of academies throughout the District in future years. Please visit with your counselor regarding these opportunities.

SCHOOL COUNSELING SERVICES

School counseling services are available for all Missoula County Public Schools students. Each counseling department will work to serve your needs in the following ways:

LISTEN TO YOU
PROVIDE INFORMATION ON COURSES
HELP YOU SCHEDULE YOUR CLASSES
HELP YOU DEVELOP A COURSE PLAN
OFFER OCCUPATIONAL INFORMATION
PROVIDE INFORMATION ON EDUCATION OPPORTUNITIES AFTER HIGH SCHOOL
PROVIDE ACCESS TO SCHOLARSHIPS
HELP YOU COPE WITH PERSONAL AND SOCIAL PROBLEMS

SCHOOL COUNSELORS STRIVE TO PROVIDE QUALITY SERVICES TO STUDENTS

LIBRARY MEDIA SERVICES

The Missoula County Public Schools' library media program provides for the interest, information, and enlightenment of all people in the school community. Materials and information present all points of view on current and historical issues. Class and individual instruction in library skills, resources for research and recreational reading, and stimulation and guidance in all phases of media use highlight the services provided in the library media centers. As an integral part to the school curricula, the media collections contain materials at all reading and interest levels and represent all forms of media, print and non-print.

SPECIAL EDUCATION SERVICES

Enrollment in Special Education programs is restricted by State and Federal guidelines. Students are placed by a specific referral process which includes a comprehensive evaluation and a child study team decision.

LEAST RESTRICTIVE EDUCATIONAL ALTERNATIVE

Special education services for a student with a disability shall be provided in the Least Restrictive Environment (LRE). Under LRE, students with disabilities are educated with their non-disabled peers to the maximum extent appropriate. Special education services delivered outside of the regular classroom, e.g. placement in special education classes in different school facilities occur only when the student's Individual Education Plan (IEP) team has determined a more restrictive environment is appropriate. These more restrictive environments may be in a special classroom within the student's neighborhood school, in a separate school facility within the district, or a residential facility outside of the school district.

It is the goal of Missoula County Public Schools to educate students with disabilities in their neighborhood school to the maximum extent possible.



Logan Prichard, Sentinel

ALTERNATIVE HIGH SCHOOL PROGRAMS – WILLARD

The Alternative High School Program at Willard is a “school of choice” designed for students who want to earn a high school diploma and who want to participate in a rigorous and relevant educational experience preparing them for their adult roles and responsibilities in the 21st Century. This program **is not** designed to meet the needs of remedial or special education students who require extensive replacement classes.

The Alternative High School Program is comprised of three components:

- The **Alternative Plan** is for students with alternative learning styles in need of smaller classes and more hands-on curriculum. Students attend six 45-minute periods per day.
- The **Independent Study Classes** are primarily for students who benefit from an independent learning approach. Students who are referred for this program have already earned the bulk of their credit requirements and need seven or fewer credits to graduate. There are two sessions, morning and afternoon, consisting of three 45-minute periods per session.
- The **Freshman Transition** is a program for 9th grade students whose behavior is disrupting their success in school. The students’ primary focus is gaining the skills needed to become successful in mainstream classes.

Students attending the Alternative High School Program at Willard remain enrolled in their regular high school (Big Sky, Hellgate, and Sentinel) with all the rights and privileges of an attending student, i.e., yearbook photo, prom, graduation ceremony, activities, etc. However, students may not be on their regular high school campus while classes are in session.

Students who wish to be considered for enrollment at Willard need to submit a completed application packet for review to the district screening team. If you have any questions, please call Jane Bennett, Principal, at 728-2400, ext. 4750 or Bonnie Ferguson, Counselor, at 728-2400, ext. 4752.



Chase Knutson, Sentinel

CAREER & TECHNICAL EDUCATION (CTE)

AGRICULTURE

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Introduction to Animal & Plant Science	CTE	None	1 Year	X	X	X	X	X	X		X
Agriculture Education 2	CTE	Introduction to Animal & Plant Science	1 Year		X	X	X	X	X		X
Agriculture Education 3	CTE	Agriculture Education 2	1 Year		X	X	X	X	X		X
Agriculture Education 4	CTE	Agriculture Education 3	1 Year		X	X	X	X	X		X
Applied Veterinary Science	CTE	2 years of science, 1 year of math, and Intro to Animal & Plant Science	1 Year		X	X	X	X	X		X

Agriculture courses are open to students from Big Sky, Hellgate, and Sentinel, however, the courses are taught at the MCPS Agriculture Education Center (Fort Missoula) only.



Brennan Drew, Sentinel

CAREER AND TECHNICAL EDUCATION (CTE)

AGRICULTURE

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
INTRODUCTION TO ANIMAL & PLANT SCIENCE	9, 10, 11, 12	.50 per semester	CTE	None	1 Year

OPEN TO STUDENTS FROM BIG SKY, HELLGATE AND SENTINEL BUT TAUGHT ONLY AT MCPS AGRICULTURE EDUCATION CENTER (FORT MISSOULA)

Introduction to Animal & Plant Science will introduce concepts from economics to performance of the Equine (Horse) industry and production practices with exploration of those practices of the three main species of the Northwest being cattle, sheep, and hogs. Students will look at feeds and feeding, health care, facilities, and marketing strategies. Intro to Animal Science would be an excellent class for students interested in veterinary medicine as a career choice. Offered first period.

AGRICULTURE EDUCATION 2	10, 11, 12	.50 per semester	CTE	Intro to Animal & Plant Science	1 Year
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OPEN TO STUDENTS FROM BIG SKY, HELLGATE AND SENTINEL BUT TAUGHT ONLY AT MCPS AGRICULTURE EDUCATION CENTER (FORT MISSOULA)

This course includes instruction and actual experience in the applied sciences of animal physiology, plant and soil science, greenhouse management, forestry and fish and wildlife feeding programs, skill development in mechanics, electricity, plumbing, engine maintenance, and carpentry, advanced leadership development, personal growth in responsibility and formulating goals.

AGRICULTURE EDUCATION 3	10, 11, 12	.50 semester	CTE	Agriculture Education 2	1 Year
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OPEN TO STUDENTS FROM BIG SKY, HELLGATE AND SENTINEL BUT TAUGHT ONLY AT MCPS AGRICULTURE EDUCATION CENTER (FORT MISSOULA)

Students will receive classroom instruction and actual experience in the shop and on the lab farm in natural resource management and conservation, computer applications in agriculture, food science concepts, and livestock disease control. Students will also receive advanced leadership training and instruction in farm management (budgeting, decision-making, agriculture law). Advanced agriculture mechanics will be taught, which will include project work and machinery construction. The Agriculture Education Program is a 4-year program.

AGRICULTURE EDUCATION 4	10, 11, 12	.50 per semester	CTE	Agriculture Education 3	1 Year
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OPEN TO STUDENTS FROM BIG SKY, HELLGATE AND SENTINEL BUT TAUGHT ONLY AT MCPS AGRICULTURE EDUCATION CENTER (FORT MISSOULA)

Students will receive classroom instruction and actual experience in the shop and on the lab farm in natural resource management and conservation, computer applications in agriculture, food science concepts, and livestock disease control. Students will also receive advanced leadership training and instruction in farm management (budgeting, decision-making, agriculture law). Advanced agriculture mechanics will be taught, which will include project work and machinery construction. The Agriculture Education Program is a 4-year program.

CAREER AND TECHNICAL EDUCATION (CTE)

AGRICULTURE

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
APPLIED VETERINARY SCIENCE	10, 11, 12	.50 semester	CTE Or Science	2 Years of Science, 1 Year of Math, and Intro to Animal & Plant Science	1 Year

OPEN TO STUDENTS FROM BIG SKY, HELLGATE AND SENTINEL BUT TAUGHT ONLY AT MCPS AGRICULTURE EDUCATION CENTER (FORT MISSOULA)

Students in this advanced course explore the fields of veterinary and medical science. They study the roles of a veterinarian and veterinary technician in the diagnosis and treatment of animal diseases. This class will provide a realistic preview of both medical work and the academic rigor needed to achieve success in the profession. Students engage in research, perform a variety of dissections, carry out real laboratory tests, and conduct surgical and medical treatments on livestock. Students also perform a field externship experience. This is an applied medical science course and is therefore useful for any student pursuing a career in medicine.



Amanda Bearmedicine, Sentinel

CAREER AND TECHNICAL EDUCATION (CTE)

BUSINESS & MARKETING

**All courses are co-curricular with BPA (Business Professionals of America at Hellgate)
and DECA (Distributed Education Clubs of America at Big Sky and Sentinel)**

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Accounting 1	CTE	None	1 Year		X	X	X	X	X	X	X
Accounting 2	CTE	Accounting 1 with a grade of "C" or better	1 Year			X	X	X	X	X	X
Advanced Broadcast-Newsroom Production	EL (.5 CTE & .5 EN)	Broadcasting or Digital Film 1 and/or consent of instructor (concurrent enrollment in Newspaper preferred, but not required)	1 Year			X	X				X
Business CO-OP	CTE	Current enrollment in any CTE class and consent of instructor	1 Sem or 1 Year			X	X	X	X		X
Business Essentials	CTE	None	1 Sem	X	X	X	X		X		X
Business Independent Study	CTE	Instructor consent AND 2-3 Business courses in logical sequence	1 Sem			X	X	X	X		X
Career Explorations	CTE	Consent of instructor	1 Sem	X	X	X	X				X
Digital Film 1	CTE	Recommended 30 wpm and Graphic Design 1	1 Sem		X	X	X		X		X
Digital Film 2	CTE	Digital Film 1 with a grade of "C" or better	1 Sem		X	X	X		X		X
Digital Journalism/Online News Website	EL (.5 CTE & .5 EN)	Intro to Journalism, Broadcasting, Intro to Radio/Audio, Newspaper, or Web Design; and a grade of B or better in current English class; and/or consent of instructor (concurrent enrollment in Newspaper preferred, but not required)	1 Year			X	X				X
Digital Media	CTE	Recommend Technology Tools	1 Sem	X	X	X	X		X		X

CAREER AND TECHNICAL EDUCATION (CTE)

BUSINESS & MARKETING

**All courses are co-curricular with BPA (Business Professionals of America at Hellgate)
and DECA (Distributed Education Clubs of America at Big Sky and Sentinel)**

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Graphic Design 1	CTE	30 wpm and Technology Tools	1 Sem	X	X	X	X	X	X	X	X
Graphic Design 2	CTE	Graphics Design I	1 Sem	X	X	X	X	X	X	X	X
Introduction to Business	CTE	None	1 Sem			X	X	X			
Marketing 1: Introduction to Business, Economics, and Finance	CTE	None	1 Sem	X	X	X	X	X	X	X	X
Marketing 2: marketing, Management, & Leadership	CTE	Recommended Marketing 1	1 Sem	X	X	X	X	X	X		X
Marketing 3: Entrepreneurship	CTE	Recommended Marketing 2	1 Sem		X	X	X	X	X		X
Marketing 4: Global Business Issues	CTE	Recommended Marketing 3	1 Sem		X	X	X	X	X		X
Marketing 5: Career Specialties 1 Organization, leadership & Management	CTE	Consent of instructor	1 Sem		X	X	X				X
Marketing 6: Career Specialties 2 Organization, Leadership & Management	CTE	Consent of instructor	1 Sem		X	X	X				X
Media Literacy	EL (.5 CTE & .5 EN)	Intro to Journalism, Broadcasting, Intro to Radio/Audio or Newspaper preferred, but not required (concurrent enrollment in Newspaper or Advanced Broadcast and must have a B or better in current English class)	1 Year			X	X				X
Personal Finance	CTE	None	1 Sem	X	X	X	X	X	X	X	X
Photojournalism	EL (.5 CTE OR .5 EN)	None	1 Sem		X	X	X				X
Quickbooks	CTE	Accounting 1 with a grade of "C" or better	1 Sem			X	X	X	X		
Street Law	CTE	None	1 Sem		X	X	X	X	X		
Technology Tools	CTE	Recommended 30 wpm	1 Sem	X	X	X	X		X	X	X
Web Design	CTE	Digital Media	1 Sem		X	X	X	X	X		X

CAREER AND TECHNICAL EDUCATION (CTE)

BUSINESS & MARKETING

All courses are co-curricular with BPA (Business Professionals of America at Hellgate) and DECA (Distributed Education Clubs of America at Big Sky and Sentinel)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
ACCOUNTING 1	10, 11, 12	.50 per semester	CTE	None	1 Year

Knowledge of accounting is essential for those interested in pursuing business careers. This course helps students comprehend the basic principles of the accounting cycle. Emphasis is placed on analyzing and recording business transactions; preparing and interpreting financial statements, accounting systems, banking and payroll activities; understanding basic types of business ownership; and exploring accounting careers. Textbook automated accounting will be used.

ACCOUNTING 2	11, 12	.50 per semester	CTE	Accounting 1 with a grade of “C” or better	1 Year
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This course helps students apply the basic accounting concepts to perform advanced and “real world” accounting procedures. Emphasis is placed on corporate, managerial, and cost accounting. Departmentalized accounting is used in all applications. Further understanding of basic types of business ownership and exploring additional and expanded accounting careers are an integral component of this course. Textbook automated and QuickBooks Pro accounting programs will be used.

ADVANCED BROADCAST – NEWSROOM PRODUCTION	11, 12	.50 per semester (elective)	.50 CTE and .50 EL	Broadcasting, or Digital Film 1, and/or consent of instructor (concurrent enrollment in Newspaper preferred, but not required)	1 Year Repeatable
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AT SENTINEL ONLY. This class consists of video news reporting for the weekly school broadcast news program. Skills include writing, editing, interviewing, news gathering, and editing of video news stories. This is a student directed, production based class. The first semester will be intensive instruction and practice in reporting, writing, producing, directing, and delivering television newscasts. In the second semester, senior students will produce a 20 minute news documentary as a capstone project. Students may take this class in both their junior and senior years at Sentinel.

BUSINESS CO-OP	11, 12	.50 per semester	CTE	Current enrollment in a business and consent of instructor	1 Sem or 1 Year
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CO-OP is for students who are enrolled in a CTE (Agriculture, Business, Family & Consumer Science, Health Science, Industrial Technology) class and who are employed at a job for at least 5 hours per week. The experience gained on the job is supplemented by the classroom instruction. Students are required to report their weekly hours and earnings and are evaluated by their employer each grading period. CO-OP is a program which requires the cooperation of the student, parent, employer, and the CO-OP Teacher/Coordinator. A student’s enrollment in CO-OP is at the discretion of the coordinating business/marketing teacher. CO-OP does not meet as a class on a regular basis. The job becomes the class for which credit is earned.

CAREER AND TECHNICAL EDUCATION (CTE)

BUSINESS & MARKETING

All courses are co-curricular with BPA (Business Professionals of America at Hellgate) and DECA (Distributed Education Clubs of America at Big Sky and Sentinel)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
BUSINESS ESSENTIALS	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem

Business Essentials introduces students to the world of business and helps prepare them for the economics roles of consumer, worker, and citizen in an ever changing world through effective oral and written communication, agility and adaptability, collaboration and leading by influence. This course promotes curiosity and imagination, assisting students with consumer decision making, preparing them for future employment, and helping them effectively perform their responsibilities as a citizen.

BUSINESS INDEPENDENT STUDY	11,12	.50 per semester	CTE	Instructor consent AND 2-3 Business courses in logical sequence	1 Sem
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In collaboration with the teacher and a professional mentor, students will develop a school and/or workplace-based learning activity that provides an in-depth study of at least one aspect of a selected business/industry/career. This is an advanced research project.

CAREER EXPLORATIONS	9, 10, 11, 12	.50 per semester	CTE	Consent of counselor	1 Sem
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AT SENTINEL ONLY. This course engages students in an interactive, technology rich learning process, helping them develop the knowledge, skills, and attitudes needed to successfully examine their own lives, explore their own lives, explore and evaluate a wide range of education and career options, and make reasoned and researched goals for their future.

DIGITAL FILM 1	10, 11, 12	.50 per semester	CTE	Recommended 30 wpm and Graphic Design 1	1 Sem
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Learn how to use Adobe Premier Pro to create amazing digital video projects. Premier Pro is the industry standard in video editing software and can be the first step in a career in film or can be a fun and interesting way to develop your creative interest in movie-making. Course projects may include a suspense video, a conversation video, and a music video, as well as other interesting projects.

DIGITAL FILM 2	10, 11, 12	.50 per semester	CTE	Digital Film 1 with a grade of "C" or better	1 Sem
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Continue building your knowledge of video editing in Adobe Premier Pro and expand it to learn special effects techniques using Adobe After Effects. Watch and analyze movies, create videos and become a more critical viewer of today's films. Course projects may include a pursuit (chase) video, flashback/warp video, public service announcements, commercials, and a larger, full-class feature length project.

CAREER AND TECHNICAL EDUCATION (CTE)

BUSINESS & MARKETING

All courses are co-curricular with BPA (Business Professionals of America at Hellgate) and DECA (Distributed Education Clubs of America at Big Sky and Sentinel)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
DIGITAL JOURNALISM/ONLINE NEWS WEBSITE	11, 12	.50 per semester (elective)	.50 CTE and .50 EL	Introduction to Journalism, Broadcasting, Introduction to Radio/Audio, Newspaper or Web Design; and a grade of B or better in current English class; and/or consent of instructor (concurrent enrolment in Newspaper preferred, but not required)	1 Year

AT SENTINEL ONLY. This course introduces students to the skills, theory, and ethics of photojournalism. Students will learn how to handle a digital SLR camera and how to work in a digital darkroom. The emphasis is on photographic content, and students will produce images from a variety of areas within photojournalism, such as portraits, sports, and features. Because this is a journalism class, students will be expected to photograph people they don't know. Students will also learn how to recognize and generate story ideas. The class is completely digital. All work will be completed on digital cameras and computers.

DIGITAL MEDIA	9, 10, 11, 12	.50 per semester	CTE	Recommend Technology Tools	1 Sem
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Are you tired of learning about Word and PowerPoint? Learn exciting Web 2.0 tools, such as Prezi and VoiceThread. Introduce yourself in the digital age by creating a podcast and a radio drama using Audacity. Exercise your creative skills and communicate visually using Photoshop.com, Picnik, and Aviary. Make yourself known in the digital world using Movie Maker, Animoto, and Extranormal. Learn how to create a website to promote yourself.

GRAPHIC DESIGN 1	9, 10, 11, 12	.50 per semester	CTE	Recommended 30 wpm and Technology Tools	1 Sem
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Learn to use Adobe Photoshop, Illustrator, and InDesign to create amazing designs. Some of the projects you may be creating include movie posters, t-shirt designs, magazine covers, illustrations, advertisements, and CD labels to name just a few. This project-based class is fun and hands-on.

GRAPHIC DESIGN 2	9, 10, 11, 12	.50 per semester	CTE	Graphic Design 1	1 Sem
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Continue more in-depth learning with digital programs such as Adobe Photoshop, Illustrator, and InDesign to create authentic projects that will be used by businesses and/or the community. Projects will focus on real world applications. Create book covers, CD-labels/covers, graphic novels, and many other real-world projects. This is another project-based, hands-on class.

CAREER AND TECHNICAL EDUCATION (CTE)

BUSINESS & MARKETING

All courses are co-curricular with BPA (Business Professionals of America at Hellgate) and DECA (Distributed Education Clubs of America at Big Sky and Sentinel)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
INTRODUCTION TO BUSINESS	11, 12	.50 per semester	CTE	None	1 Sem

AT BIG SKY ONLY. An introduction to the world of business. This course includes business systems, capitalism, and other economic environments. Intro to business examines the types of business organizations, management, marketing, production, labor, financing, and business/governmental regulations. Focus is on the entrepreneurial business person and global competition. **OPTION OF DUAL CREDIT with UM-MISSOULA COLLEGE course BGEN1055**

MARKETING 1: INTRODUCTION TO BUSINESS, ECONOMICS, AND FINANCE	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem
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Marketing 1 introduces students to job-seeking skills and the world of work. After a brief overview of the Marketing Education Program, students engage in a number of self-awareness activities relating to interests, aptitudes, abilities, values, and personalities. They acquire skills needed in business finance and investments.

MARKETING 2: MARKETING, MANAGEMENT, & LEADERSHIP	9, 10, 11, 12	.50 per semester	CTE	Recommended Marketing 1	1 Sem
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Marketing 2 acquaints students with our free enterprise system and basic marketing concepts such as channels of distribution, target markets, and market segmentation. Human relations and communications instruction includes verbal and non-verbal communication in relation to customers, workers, and employers. A salesmanship unit provides insight into the buying process, customer buying motives, and sales techniques. Students participate in sales demonstrations and group projects in marketing research which involve questionnaire development, surveying, tabulating data, and formulating results.

MARKETING 3: ENTREPRENEURSHIP	10, 11, 12	.50 per semester	CTE	Recommended Marketing 2	1 Sem
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Marketing 3 focuses on entrepreneurship—the start-up and operation of one’s own business. Students will analyze themselves, the trade area, and the market, and will make decisions on a business location, product/service mix, how to organize the business, personnel, and marketing strategy. Students will learn about business finance, determining start-up costs, and estimating income for a new business. Numerous speakers and community resource people are utilized (business owners, realtors, government officials, attorneys, bankers, accountants, etc.).

MARKETING 4: GLOBAL BUSINESS ISSUES	11, 12	.50 per semester	CTE	Recommended Marketing 3	1 Sem
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Marketing 4 focuses on business management, finance and investments, advanced marketing, and other business topics. Students at Hellgate and Sentinel participate in a “Stock Market Game” where small groups invest “\$100,000” to learn about different kinds of investments. Students at Big Sky participate in a “Marketing Challenge Game,” in which management teams make a set of business decisions for a simulated firm. They are evaluated against decisions made by competitors.

MARKETING 5: CAREER SPECIALTIES 1 ORGANIZATION, LEADERSHIP, & MANAGEMENT	10, 11, 12	.50 per semester	CTE	Consent of instructor	1 Sem
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Marketing 5 explores career clusters and pathways using management higher-level performance indicators. This course offers students an opportunity to apply and extend classroom training in an area of their interest. Examples include store management, business plans, business research, and individual/team projects.

MARKETING 6: CAREER SPECIALTIES 2 ORGANIZATION, LEADERSHIP & MANAGEMENT	10, 11, 12	.50 per semester	CTE	Consent of instructor	1 Sem
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Marketing 6 continues the exploration of career clusters and pathways unique to students’ individual interests. Students apply and extend their classroom training in a business area of their choice.

MEDIA LITERACY	11, 12	.50 per semester (elective)	.50 CTE and .50 EL	Introduction to Journalism, Broadcasting, Introduction to Radio/Audio, or Newspaper preferred, but not required (concurrent enrollment in Newspaper or Advanced Broadcast and must have a grade of B or better in current English class)	1 Year
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AT SENTINEL ONLY. This is a survey course of the eight mass media – newspapers, magazines, books, television, radio, movies, audio recordings, and the World Wide Web – plus the media’s major “feulers” – advertising and public relations. The course traces the historical development of mass media into the multi-billion dollar industries they are today. It also deals with issues facing the media today, including media literacy.

PERSONAL FINANCE	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem
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Students learn how to navigate the financial decisions they must make and how to make informed decisions related to managing finances and budgeting, saving and investing, living independently, earning and reporting income, buying goods and services, using credit, banking and protecting against risk, and funding future educational opportunities.

CAREER AND TECHNICAL EDUCATION (CTE)

BUSINESS & MARKETING

All courses are co-curricular with BPA (Business Professionals of America at Hellgate) and DECA (Distributed Education Clubs of America at Big Sky and Sentinel)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
PHOTOJOURNALISM	10, 11, 12	.50 per semester (elective)	CTE OR EL	None	1 Semester

AT SENTINEL ONLY. This course introduces students to the skills, theory, and ethics of photojournalism. Students will learn how to handle a digital SLR camera and how to work in a digital darkroom. The emphasis is on photographic content, and students will produce images from a variety of areas within photojournalism, such as portraits, sports, and features. Because this is a journalism class, students will be expected to photograph people they don't know. Students will also learn how to recognize and generate story ideas. The class is completely digital. All work will be completed on digital cameras and computers.

QUICKBOOKS	11, 12	.50 per semester	CTE	Accounting 1 with a grade of "C" or better	1 Sem
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AT BIG SKY AND HELLGATE ONLY. This class teaches maintaining business records by creating a company, recording transactions, preparing and analyzing financial reports, compiling charts and graphs, preparing payroll and closing an accounting period. This will be accomplished by using one of the fastest growing accounting software packages for small and medium-sized business enterprises.

STREET LAW	10, 11, 12	.50 per semester	CTE	None	1 Sem
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AT BIG SKY AND HELLGATE ONLY. This class emphasizes practical law and provides opportunities for students to become educated in the American legal system. Students learn basic legal principles to apply as a citizen, consumer and employee. Study includes the structure and history of the legal system (criminal & civil), laws applying to minors, contract law, consumer law, employment law, property and landlord/tenant law, insurance law, credit law, tort law, and white collar crimes relating to computers. Knowledge gained from speakers, field trips, and community resources offers a valuable introduction to the laws that shape our personal and professional lives.

TECHNOLOGY TOOLS	9, 10, 11, 12	.50 per semester	CTE	Recommended typing 30 wpm	1 Sem
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Technology Tools students learn basic operation and function of the computer, to select appropriate software for various applications, and become aware of the fast-changing world of business and information technology. Students select and use word processing, desktop publishing, database, spreadsheet, presentation, graphics, multimedia, Internet and imaging software. This is a hands-on lab class.

WEB DESIGN	10, 11, 12	.50 per semester	CTE	Digital Media	1 Sem
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Learn how to create websites using Web 2.0 tools, computer coding, and industry standard software such as Dreamweaver. Create Flash animations and image optimization with Photoshop for your website. This project-based class is fun and hands-on.

CAREER AND TECHNICAL EDUCATION (CTE)

FAMILY & CONSUMER SCIENCE

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Culinary Arts 1	CTE	None	1 Sem	X	X	X	X	X	X	X	X
Culinary Arts 2	CTE	Successful completion of Culinary Arts 1 or Nutrition & Wellness with a grade of "C" or higher; and/or consent of instructor	1 Sem	X At SSHS	X	X	X	X	X	X	X
Culinary Arts 3	CTE	Successful completion of Culinary Arts 2 with a grade of "B" or higher and consent of instructor	1 Sem (2-hour, block for 1 credit at Hellgate)		X at SSHS	X	X	X	X	X	X
Early Childhood Education 1	CTE	None	1 Sem	X	X	X	X		X	X	X
Early Childhood Education 2	CTE	Successful completion of Early Childhood Education 1 with a grade of "C" or higher, and/or consent of instructor	1 Sem		X	X	X		X		X
FACS Independent Study	CTE	Instructor consent and 2 to 3 FACS courses in logical sequence	1 Sem		X at SSHS	X	X		X	X	X
Fashion Design & Merchandising	CTE	None	1 Sem	X	X	X	X				
Hospitality, Tourism & Recreation (HTR) 1	CTE	None	1 Sem		X	X	X			X	
Hospitality, Tourism & Recreation (HTR) 2	CTE	Successful completion of HTR 1 with a grade of "C" or higher, and/or consent of instructor	1 Sem		X	X	X				
Housing & Living Environments	CTE	None	1 Sem	X	X	X	X		X	X	X
Nutrition and Wellness	CTE	None	1 Sem		X	X	X		X		
Prep for Life	CTE	None	1 Year			X	X		X	X	X
Textiles & Apparel 1	CTE	None	1 Sem	X	X	X	X		X		X
Textiles & Apparel 2	CTE	Textiles & Apparel 1	1 Sem	X	X	X	X		X		X

CAREER AND TECHNICAL EDUCATION (CTE)

FAMILY & CONSUMER SCIENCE

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
CULINARY ARTS 1	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem

Culinary Arts 1 is the first of a sequential pathway that provides students with a firm foundation in basic food preparation. This will include quick breads, egg preparation, dairy products, meats, basic desserts, diet, and nutrition. Industry safety and sanitation standards are stressed with all food labs. Students will be exposed to the latest in food industry technology. This class is lab-based; however, it does include demonstrations, field trips, and speakers. This is part of a career pathway for Hospitality/Tourism, health, nutrition, and food-related careers. This inquiry course is designed to be interactive, student-centered, collaborative, cooperative, and relevant.

CULINARY ARTS 2	(9 at Seeley-Swan HS) 10, 11, 12	.50 per semester	CTE	Successful completion of Culinary Arts 1 or Nutrition & Wellness with a grade of “C” or higher; and/or consent of instructor	1 Sem
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Culinary Arts 2 is the second of a sequential pathway that focuses on a wide variety of topics. These might include appetizers, garnishes, soups, salads, cake decorating, pastry crusts, and meal planning. Industry safety and sanitation standards are stressed with all food labs. Students will be exposed to the latest in food industry technology. This class is lab-based; however, it does include demonstrations, field trips, and speakers. This is part of a career pathway for Hospitality/Tourism, health, nutrition, and food-related careers. This inquiry course is designed to be interactive, student-centered, collaborative, cooperative, and relevant.

CULINARY ARTS 3	(10 at Seeley-Swan HS) 11, 12	.50 per semester	CTE	Successful completion of Culinary Arts 2 with a grade of “B” or higher and/or consent of instructor	1 Sem or 1 Year
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Culinary Arts 3 is a class for students who wish to pursue a career in the Culinary Industry. This course gives hands-on experiences of running a small scale catering operation. Students learn how to design and cost a menu as well as prepare, market, and serve food in a variety of venues. All students will have the opportunity to earn a Managers’ ServSafe Certification, a “gold standard” in the Culinary Industry. At Hellgate, this course is a two-hour block.

EARLY CHILDHOOD EDUCATION 1	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem
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AT HELLGATE, SEELEY-SWAN & SENTINEL ONLY. Early Childhood Education 1 brings family, child development and parenting concepts alive for students. Students learn that parenting and child care skills depend on knowledge of child growth and development. Students may extend their knowledge beyond the high school setting by observing children at childcare and preschool facilities.

CAREER AND TECHNICAL EDUCATION (CTE)

FAMILY & CONSUMER SCIENCE

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
EARLY CHILDHOOD EDUCATION 2	10, 11, 12	.50 per semester	CTE	Successful completion of Early Childhood Education 1 with a grade of "C" or higher, and/or consent of instructor	1 Sem

AT HELLGATE & SENTINEL ONLY. The primary focus of this course is hands-on, providing off-site early child development experiences. Early Childhood Education 2 prepares individuals for careers related to early childhood education. Experiences include: program planning and management, resource and facility management, supervising recreational and play activities, preparing and implementing a large variety of learning experiences for children, the application of individual teaching skills, and preparation for a career and/or entrepreneurial opportunities.

FACS INDEPENDENT STUDY	(10 at Seeley-Swan HS) 11, 12	.50 per semester	CTE	Instructor consent and 2 to 3 FACS courses in logical sequence	1 Sem
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In collaboration with the teacher and a professional mentor, students will develop a school and/or workplace-based learning activity that provides an in-depth study of at least one aspect of a selected business/industry/career. This is an advanced research project.

FASHION DESIGN & MERCHANDISING	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem
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Students will gain insight into the world of fashion merchandising. Students will shop the market, develop consumer skills, and explore career options available in the world of fashion. Retail business will be studied and the qualifications and expectations for employees will be addressed. A store project that deals with advertising and store layout composes part of the course requirements.

HOSPITALITY, TOURISM & RECREATION (HTR) 1	10, 11, 12	.50 per semester	CTE	None	1 Sem
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AT SEELEY-SWAN ONLY. HTR 1 is designed to acquaint the student with the scope and economic impact of the hospitality, tourism and recreation industry. Major components will be recreation and leisure, meeting and event planning, restaurants, travel, tourism, food and lodging. Teaching strategies will include: field trips, guest speakers, technology-aided presentations, lecture, reading assignments, and testing. Technology will be an integral part of this course.

CAREER AND TECHNICAL EDUCATION (CTE)

FAMILY & CONSUMER SCIENCE

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
HOSPITALITY, TOURISM & RECREATION (HTR) 2	10, 11, 12	.50 per semester	CTE	Successful completion of HTR 1 with a grade of “C” or higher, and/or consent of instructor	1 Sem

HTR 2 builds upon skills developed in HTR 1. This course encourages students to develop a deeper understanding of the exciting and diverse hospitality and tourism industry. While providing an understanding of the scope and complexity of the industry, the course covers key hospitality issues, management definitions, and career opportunities available in restaurants, hotels, theme venues, entertainment centers, cruise lines, and countless other hospitality and tourism businesses.

HOUSING & LIVING ENVIRONMENTS	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem
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AT HELLGATE, SEELEY-SWAN, & SENTINEL ONLY. Housing and Living Environments introduces students to basic architectural design of interior and exterior living spaces within the home and work environments. Students study the elements and principles of design and explore current and future trends in architectural design that affect housing decisions. Technology aids students in design planning as well as addressing new, innovative technological advances in the areas of textiles and furnishings. In addition, various careers in the industry are emphasized.

NUTRITION AND WELLNESS	10, 11, 12	.50 per semester	CTE	None	1 Sem
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AT HELLGATE ONLY. Nutrition and Wellness is an in-depth study of the nutrients our body needs and how we can best provide those nutrients for optimal health and wellness. The course looks at government regulations regarding the safety of our food supply as well as technology in food production such as genetic modification. Students apply what they learn about nutrition in food labs and create dishes to meet the dietary requirements from the lecture portion of the class. Students also explore various modalities of personal wellness such as self-reflection, journaling, group play, and yoga.

PREP FOR LIFE	11-12	.50 per semester	CTE	None	1 Year
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THIS COURSE IS OPEN TO GRADES 11 AND 12 AT HELLGATE AND SENTINEL, BUT OPEN TO ONLY GRADE 12 AT SEELEY-SWAN.

In this course, students will gain knowledge of personal and community resources, family finances, and career skills. Prep for Life will meet the 21st century needs and wants of individuals and families throughout the family life cycle, considering a broad range of economic, social, cultural, technological, environmental, and leadership factors. Students will engage in a variety of learning experiences, including hands-on applications, speakers, field trips, projects, daily assignments, and assessments

CAREER AND TECHNICAL EDUCATION (CTE)

FAMILY & CONSUMER SCIENCE

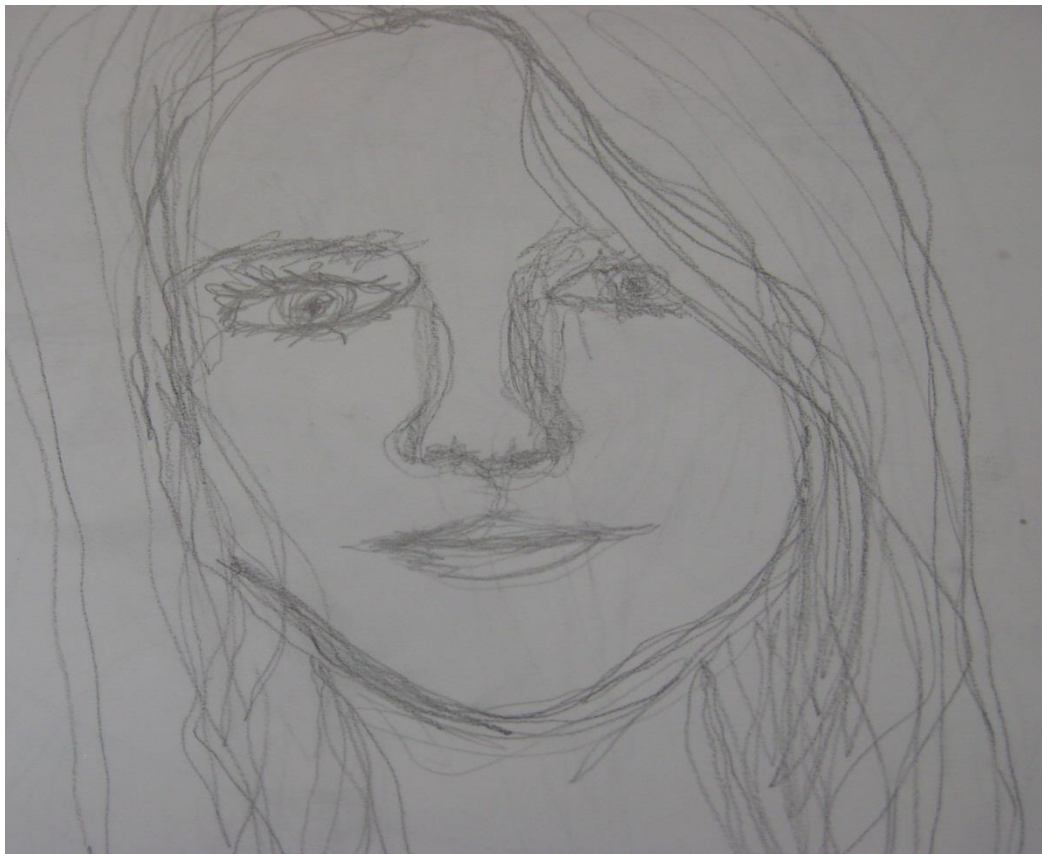
COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
TEXTILES & APPAREL 1	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem

AT HELLGATE & SENTINEL ONLY. Textiles & Apparel 1 introduces students to clothing, fashion, and basic clothing construction concepts and techniques. Students will learn basic sewing skills with application to creative sewing projects. Basic use of a sewing machine, serger, basic hand sewing skills, pattern selection, pattern layout, and measuring skills will be an integral part of the course. Teaching strategies will include demonstrations, field trips and guest speakers as well as decision making and problem solving skills. Technology will aid the students in determining measurements, fabric requirements, and design elements.

TEXTILES & APPAREL 2	9, 10, 11, 12	.50 per semester	CTE	Textiles and Apparel 1	1 Sem
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AT HELLGATE & SENTINEL ONLY. Textiles & Apparel 2 advances student knowledge of sewing construction, fashion, art and design, fabrics, and the work place. Students may incorporate aspects of this class into a community service project. Teaching strategies will include demonstrations, guest speakers, field trips, as well as decision making and problem solving skills. Technology will aid students in designing clothes, developing individual projects, and career development.

Olivia Edwards, Sentinel



CAREER AND TECHNICAL EDUCATION (CTE)

HEALTH SCIENCE

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Health Science 1	CTE	Health Enhancement 1	1 Sem		X	X	X	X	X		X
Health Science 2	CTE	Health Science 1	1 Sem			X	X	X	X		X
Health Science 3	CTE	Health Science 2	1 Sem			X	X	X	X		X
Principles of Biomedical Sciences	CTE	Must be enrolled in the Health Science Academy	1 Sem	X	X			X			
Human Body Systems	CTE	Principles of Biomedical Science and must be enrolled in Health Science Academy	1 Year		X			X			



Tim Kornish, Sentinel

CAREER AND TECHNICAL EDUCATION (CTE)

HEALTH SCIENCE

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
HEALTH SCIENCE 1	10, 11, 12	.50 per semester	CTE	Successful completion of Health Enhancement 1	1 Sem

AT BIG SKY, HELLGATE AND SENTINEL ONLY.

Health Science 1 exposes students to a variety of opportunities available within the health care industry (i.e., nursing, therapy, dental care, administrative services, and lab technology). This introductory course provides experiences in several of these career pathways along with information and knowledge related to the health care industry as a whole.

HEALTH SCIENCE 2	11, 12	.50 per semester	CTE	Health Science 1	1 Sem
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AT BIG SKY, HELLGATE AND SENTINEL ONLY.

Health Science 2 exposes students to a variety of additional opportunities available within the health care industry (i.e., nursing, therapy, dental care, administrative services, and lab technology). Emphasis will be placed on developing connection between students and the health care community.

HEALTH SCIENCE 3	11, 12	.50 per semester	CTE	Health Science 2	1 Sem
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AT BIG SKY, HELLGATE AND SENTINEL ONLY.

Health Science 3 is designed to integrate the skills and knowledge acquired in Health Science 1 and 2 and apply them in real-life health care settings. Students participate in hands-on opportunities to connect them to the medical community. Job shadows will be available throughout the semester.

Principles of Biomedical Sciences	9, 10	.50 per semester	CTE	Must be enrolled in the Health Science Academy	1 Sem
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AT BIG SKY ONLY.

Principles of Biomedical Sciences students will investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of and lays the scientific foundation for all subsequent courses in the Biomedical Sciences program.

Human Body Systems	10	.50 per semester	CTE	Principles of Biomedical Sciences and must be enrolled in the Health Science Academy	1 Year
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AT BIG SKY ONLY.

Students examine the interactions of body systems as they explore identity, communication, power movement, protection, and homeostasis. Students design experiments, investigate structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflect and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal mannequin, work through interesting real-world cases, and play the role of biomedical professionals to solve medical mysteries.

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Engineering Foundations	CTE	None	1 Sem	X	X				X		
3D Modeling & Animation	CTE	Big Sky and Sentinel - Introduction to Technical Design or Introduction to Art. At Hellgate only Introduction to Technical Design.	1 Year		X	X	X	X	X		X
Applied Technology 1	CTE	None	1 Sem	X	X	X	X	X			X
Applied Technology 2: CNC Machining	CTE	Applied Technology 1	1 Year		X	X	X				X
Applied Technology 2: Engineering Challenges	CTE	Applied Technology 1	1 Year		X	X	X				X
Applied Technology 2: Robotics	CTE	Applied Technology 1	1 Year		X	X	X				X
CAD/CAM Systems 1	CTE	Introduction to Technical Designs and Engineering Foundations	1 Sem			X	X				
CAD/CAM Systems 2	CTE	CAD/CAM Systems 2	1 Sem			X	X				
Basic Electricity Electronics 1	CTE	None	1 Sem	X	X	X	X				
Introduction to Building Trades 1	CTE	None	1 Sem	X	X	X	X		X		
Building Trades 2: Manufacturing	CTE	Intro to Building Trades 1	1 Sem		X	X	X		X		
Building Trades 2: Residential Carpentry	CTE	Introduction to Building Trades 1	1 Sem		X	X	X		X		
Building Trades 3: Capstone	CTE	Introduction to Building Trades 1; Building Trades 2: Manufacturing or Building Trades 2: Residential Carpentry	1 Year (2 hour daily block, Repeatable with consent of instructor and a grade of C or better			X	X		X		

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Building Trades 1	CTE	Wood Technology 2 and consent of instructor	1 Year		X	X	X	X			X
Building Trades 2	CTE	Wood Technology 3 and Building Trades 1	1 Year			X	X	X			X
Residential Carpentry Building Science 1	CTE	Engineering Foundations	1 Sem		X	X					
Residential Carpentry Building Science 2	CTE	Residential Carpentry Building Science 1	1 Sem		X	X					
Residential Carpentry Building Science 3	CTE	Residential Carpentry Building Science 2	1 Year			X	X				
IT Essentials-PC Hardware and Software	CTE	None	1 Sem			X	X	X	X	X	X
Cisco CCNA Discovery	CTE	None	1 Year			X	X	X	X	X	X
Introduction to Technical Design	CTE	None	1 Sem	X	X	X	X	X	X		X
Architectural Design	CTE	Introduction to Technical Design	1 Year		X	X	X	X	X		X
Engineering Design	CTE	Introduction to Technical Design	1 Year		X	X	X	X	X		X
Design Project 1: DDSN 113 Technical Drafting	CTE	Introduction to Technical Design and an intermediate design class such as Architectural Design, Engineering Design, or 3D Modeling & Animation	1 Sem			X	X	X	X		X
Design Project 2: DDSN 114 Introduction to CAD	CTE	Introduction to Technical Design and an intermediate design class such as Architectural Design, Engineering Design, or 3D Modeling & Animation	1 Sem			X	X	X	X		X
Design Project 3: DDSN 116 3D CAD	CTE	Introduction to Technical Design and an intermediate design class such as Architectural Design, Engineering Design, or 3D Modeling & Animation	1 Sem			X	X	X	X		X

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Metals Technology 1	CTE	None	1 Sem	X	X	X	X				X
Metals Technology 2	CTE	Metals Technology 1 and recommended Drafting 1	1 Year		X	X	X				X
Power Technology 1: Small Engines 1	CTE	None	1 Sem (2 periods a day at SHS)	X	X	X	X	X		X	X
Power Technology 2A: Small Engines 2	CTE	Power Technology 1	1 Year		X	X	X	X			X
Consumer Mechanics: Automotive	CTE	Enrollment or completion of Driver's Ed or Driver's License encouraged	1 Sem		X	X	X	X	X		X
Power Tech 3: Automotive	CTE	Power Technology 2 or consent of instructor	1 Year (2 periods a day at SHS)			X	X	X			X
Exploration of Automotive Careers (MAT)	CTE	Power Technology 2, or Agriculture-Ed 2 and enrolled in 3, or consent of instructor	1 Year			X	X				
Innovative Energy Systems 1	CTE	Engineering Foundations	1 Sem		X	X					
Innovative Energy Systems 2	CTE	Innovative Energy Systems 1	1 Sem		X	X	X				
Innovative Energy Systems 3	CTE	Innovative Energy Systems 2	1 Year			X	X				
Welding Technology 1	CTE	None	1 Sem	X	X	X	X	X	X	X	X
Welding Technology 2	CTE	Welding 1, recommended Drafting 1	1 Year Big Sky and Sentinel, 1 Sem at Hellgate		X	X	X	X	X		X
Welding Technology 3: Design & Fabrication	CTE	Welding 2 and Drafting 1 at Sentinel. Welding 1 and at Hellgate	1 Year (2 hour daily block at Hellgate - Repeatable at Hellgate with a grade of C or better and consent of instructor)			X	X		X		X

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Welding Technology 3: Design & Fabrication	CTE	Welding 2 and Drafting 1 at Sentinel. Welding 1 and 2 at Hellgate	1 Year (2 hour daily block at Hellgate - Repeatable at Hellgate with a grade of C or better and consent of instructor)			X	X		X		X
Welding Technician-Entry Level	CTE	None	1 Sem		X	X	X				
Wood Technology 1	CTE	None	1 Sem	X	X	X	X	X		X	X
Wood Technology 2	CTE	Wood Technology 1 and recommended Drafting 1	1 Year		X	X	X	X		X	X
Wood Technology 3	CTE	Wood Technology 2, and recommended Drafting 1, or consent of instructor	1 Year			X	X	X			X
Intro to Radio/Audio Production	CTE	Intro to Journalism and/or consent of instructor	1 Year		X	X	X				X
Photojournalism	CTE	None	1 Sem		X	X	X				X
Advanced Broadcast: Newsroom Production	CTE	Broadcasting or Digital Film 1 and/or consent of instructor. Newspaper preferred but not required.	1 Year			X	X				X
Digital Journalism/Online News Website	CTE	Intro Journalism. Broadcasting, Intro to Radio/Audio, Newspaper, or Web Design and a grade of B or better in current English class. Newspaper preferred but not required.	1 Year			X	X				X

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Media Literacy	CTE	Intro Journalism. Broadcasting, Intro to Radio/Audio or Newspaper preferred but not required. Co-requisite Newspaper or Advanced Broadcast and must have a B or better in current English class.	1 Year			X	X				X
Industrial Technology Independent Study	CTE	Consent of instructor and 2 to 3 sequential Industrial Technology courses	1 Sem or 1 Year			X	X	X	X	X	X



Morgan Elrod - Hellgate

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
3D MODELING & ANIMATION	10, 11, 12	.50 per semester	CTE	At Big Sky and Sentinel - Introduction to Technical Design or Introduction to Art. At Hellgate – Introduction to Technical Design.	1 Year

AT BIG SKY, HELLGATE AND SENTINEL ONLY. 3D Modeling & Animation is oriented for future animators, film producers, and game designers. Students explore all facets of what it takes to get 3D models moving across the screen. They discover for themselves how technology can take a project from concept to a completed digital story.

APPLIED TECHNOLOGY 1	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem
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AT BIG SKY AND SENTINEL ONLY. This is a fun, challenging, hands-on class instructing students on the basics of structures, mechanical systems, electrical systems, aerodynamics, and computer aided manufacturing. For those who enjoy problem solving or who are interested in the field of engineering, this is an excellent course. Students work with tools and equipment to create bridges, towers, electric motors, rockets, Lego vehicles, games, and more.

APPLIED TECHNOLOGY 2: CNC MACHINING	10, 11, 12	.50 per semester	CTE	Applied Technology 1	1 Year
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AT SENTINEL ONLY. Applied Technology 2 builds upon concepts learned in the introductory level course, Applied Technology 1. The focus is to learn the fundamentals of Computer Numeric Control (CNC) Machining. Students will learn how to design a part with the use of computer aided design and machining (CAD/CAM) software. Once parts are designed, they are machined using computer controlled milling machines and lathes. Hands-on problem-solving and crucial thinking activities will be an integral component of this course.

APPLIED TECHNOLOGY 2: ROBOTICS	10, 11, 12	.50 per semester	CTE	Applied Technology 1	1 Year
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AT SENTINEL ONLY. Applied Technology 2 builds upon those concepts learned in the introductory level course, Applied Technology 1. The focus is to learn the fundamentals of robotics. Students will learn what makes robots work, and why they are so widely used in all kinds of seemingly unrelated areas. Robots are designed to accomplish a complex task such as reacting to light, motion, color, sound, following a line, or anything else the mind can imagine. Hands-on problem-solving and crucial thinking activities will be an integral component of this course. Some of these activities will include creating a robotic arm, radio controlled “battlebots,” small programmable robots, and a variety of smaller projects involving basic fabrication skills.

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
APPLIED TECHNOLOGY 2: ENGINEERING CHALLENGES	10, 11, 12	.50 per semester	CTE	Applied Technology 1	1 Year

AT SENTINEL ONLY. Applied Technology 2 builds upon those concepts learned in the introductory level course, Applied Technology 1. The focus is to learn the fundamentals of engineering. Students will learn structural systems, mechanical systems, electrical systems, alternative energy sources, and aerodynamics. Students will work on projects such as catapults, cranes, airplanes, rockets, magnetic levitation vehicles, electrical circuits, and solar-powered vehicles. Hands-on problem-solving and crucial thinking activities will be an integral component of this course.

ENGINEERING FOUNDATIONS	9, 10	.50 per semester	CTE	None	1 Sem
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AT HELLGATE ONLY. This introductory course will expose students to the world of engineering through a series of in-depth projects. These projects will be designed and tested in both virtual and real-world environments. This course will also cover cutting edge tools and modeling techniques like 3D scanning and 3D printing. In addition, students will examine the various career options in the engineering field and begin planning a course of study to pursue those careers.

CAD/CAM SYSTEMS 1	11, 12	.50 per semester	CTE	Applied Technology 1	1 Sem
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CAD/CAM Systems 1 builds upon concepts learned in the introductory level course, Applied Technology 1. The focus is to learn the fundamentals of Computer Numeric Control (CNC) Machining. Students learn how to design a part with the use of computer aided design and machining (CAD/CAM) software. Once parts are designed, they are machined using computer controlled milling machines and lathes. Hands-on problem-solving and crucial thinking activities are an integral component of this course.

CAD/CAM SYSTEMS 2	11, 12	.50 per semester	CTE	CAD/CAM Systems 1	1 Sem
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CAD/CAM Systems 2 builds upon concepts learned in CAD/CAM Systems 1. Students continue to build knowledge and skills in the fundamentals of Computer Numeric Control (CNC) Machining. They learn how to design a part with the use of computer aided design and machining (CAD/CAM) software. Once parts are designed, they are machined using computer controlled milling machines and lathes. Hands-on problem-solving and crucial thinking activities are an integral component of this course.

BASIC ELECTRICITY ELECTRONICS 1	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem
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In Basic Electricity/Electronics 1, students gain knowledge and skills in basic AC and DC circuits, electronic devices and circuits, schematic literacy, digital electronics, microprocessors, fiber optics, analog and digital communications systems and microwave technology. Leadership and professionalism will be developed through SkillsUSA-VICA and the Professional Development Program.

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
INTRODUCTION TO BUILDING TRADES 1	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem

AT HELLGATE ONLY. In this introductory course students lay out, fabricate, erect, install, and repair wooden structures and fixtures using hand and power tools. The program includes instruction in common systems of framing, construction materials, estimating, and blueprint reading along with green building practices. Students will interact with industry representatives during both job site and classroom/shop demonstrations. In addition, students begin to study, in depth, advanced furniture design and cabinetmaking. Students will also be introduced to advanced digital and production methods using industry standard software and computer controlled machines (CNC).

BUILDING TRADES 2: MANUFACTURING	10, 11, 12	.50 per semester	CTE	Introduction to Building Trades 1	1 Sem
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HELLGATE ONLY. In this course students will continue to practice to lay out, fabricate, erect, install, and repair wooden structures and fixtures using hand and power tools. The program includes advanced instruction in common systems of framing, estimating and blueprint reading. Students will interact with industry representatives during both job site and classroom/shop demonstrations. In addition, students will begin to study, in depth, advanced furniture design and cabinetmaking. Students will also continue applying advanced digital design and production methods using industry standard software and computer controlled machines (CNC).

BUILDING TRADES 2: RESIDENTIAL CARPENTRY	10, 11, 12	.50 per semester	CTE	Introduction to Building Trades 1	1 Sem
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HELLGATE ONLY. In this course students will continue to practice to lay out, fabricate, erect, install, and repair wooden structures and fixtures using hand and power tools emphasizing modern construction practices. The program includes advanced instruction in common systems of framing, construction materials, estimating and blueprint reading. Students will interact with industry representatives during both job site and classroom/shop demonstrations. In addition, students will begin to study and fabricate, in depth, advanced furniture design and cabinetmaking. Students will also continue applying advanced digital design and production methods using industry standard software and computer controlled machines (CNC).

BUILDING TRADES 3: CAPSTONE	11, 12	.50 per semester	CTE	Building Trades 1, 2	1 Year (2 hour daily block, repeatable with consent of instructor and a grade of C or better)
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HELLGATE ONLY. In this capstone course students will continue to use and develop procedures to layout, fabricate, erect, install, and repair wooden structures and fixtures using hand and power tools emphasizing modern construction practices. The program includes advanced instruction in common systems of framing, construction materials, estimating and blueprint reading. Students will interact with industry representatives during both job site and classroom/shop demonstrations. In addition, students will continue to study, in depth, advanced furniture design and cabinetmaking. Students will also continue applying advanced digital design and production methods using industry standard software and computer controlled machines (CNC) emphasizing structural integrity, aesthetic design, and fabrication procedures utilizing current and personal designs.

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
BUILDING TRADES 1	10, 11, 12	.50 per semester	CTE	Wood Technology 2 and Consent of Instructor	1 Year

AT BIG SKY AND SENTINEL ONLY. In this course students lay out, fabricate, erect, install, and repair wooden structures and fixtures using hand and power tools. The program includes instruction in common systems of framing, construction materials, estimating, and blueprint reading. Students will interact with industry representatives during both job site and classroom/shop demonstrations, and will participate in job shadows, as well as assist in projects sponsored by agencies such as Habitat for Humanity and the Missoula Housing Authority. In addition, students study, in depth, advanced furniture design and cabinetmaking. Research practice and advanced application of material and machine processes will be conducted. Large and intricate projects will be stressed.

BUILDING TRADES 2	11, 12	.50 per semester	CTE	Wood Technology 3and Building Trades 1	1 Year
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AT BIG SKY AND SENTINEL ONLY. In this course students lay out, fabricate, erect, install, and repair wooden structures and fixtures using hand and power tools. The program includes instruction in common systems of framing, construction materials, estimating, and blueprint reading. Students will interact with industry representatives during both job site and classroom/shop demonstrations, and will participate in job shadows, as well as assist in projects sponsored by agencies such as Habitat for Humanity and the Missoula Housing Authority. In addition, students study, in depth, advanced furniture design and cabinetmaking. Research practice and advanced application of material and machine processes will be conducted. Large and intricate projects will be stressed.

RESIDENTIAL CARPENTRY BUILDING SCIENCE 1	10, 11	.50 per semester	CTE	Engineering Foundations	1 Sem
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This is an introductory course in carpentry and the science of residential building systems. Students develop technical skills and knowledge in the following areas: Construction Safety Certification, building plan comprehension, construction math, estimating, materials, safe and proper use of tools and equipment, building systems layout and construction of residential structure. The course includes both classroom and lab experience.

RESIDENTIAL CARPENTRY BUILDING SCIENCE 2	10, 11	.50 per semester	CTE	Residential Carpentry Building Science 1 with a grade of C or better	1 Sem
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This course further studies the systems of residential construction: foundations, floor and wall construction, roof construction, stair construction, advanced framing, alternative construction materials and processes, Building Science, energy conservation, and sustainable construction practices. The course includes both classroom and lab experience.

RESIDENTIAL CARPENTRY BUILDING SCIENCE 3	11, 12	.50 per semester	CTE	Residential Carpentry Building Science 2 with a grade of C or better and/or instructor approval	1 Year
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Students in this course will study and apply the technical skills and science behind the how and why buildings are built to specific energy standards. Focus will be Green Building, energy conservation, and alternative energy applications in residential construction. Students will study design concepts which address sustainability in an effort to promote the design and construction of buildings that are more durable, healthier, more sustainable, and more economical. Students will perform work on construction and retrofitting projects within the community. Students will perform worksite shadowing and create potential internships with potential employers within the construction and engineering career pathway. This course is recommended for students interested in architecture, building construction, engineering, project management, and sustainability and alternative energy applications.

Kendallynn Charging, Sentinel



CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
IT ESSENTIALS – PC HARDWARE AND SOFTWARE	11, 12	.50 per semester	CTE	None	1 Year

IT Essentials: PC hardware and Software is a hands-on, career-oriented, e-learning solution with an emphasis on practical experience to help students develop fundamental computer skills, along with essential career skills. The Cisco It Essentials curriculum helps students prepare for entry-level ICT career opportunities and the CompTIA A+ certification, which helps students differentiate themselves in the marketplace to advance their careers.

CISCO CCNA DISCOVERY	11, 12	.50 per semester	CTE	None	1 Year
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Cisco CCNA Discovery teaches networking based on application, covering networking concepts within the context of network environments that students may encounter in their daily lives – from small office and home office networking to more complex enterprise and theoretical networking models.

INTRODUCTION TO TECHNICAL DESIGN	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem
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Become an Architect, Engineer, Animator or Game Designer! Learn to draw buildings, cards, and machines using the CAD computer. Work in 3D to create models of game characters and environments. Students develop and use a variety of skills including assessing, organizing, problem solving, and analyzing in the application of drafting techniques. This course offers students an opportunity to learn the fundamentals of technical drawing and design for a variety of well-paid jobs.

ARCHITECTURAL DESIGN	10, 11, 12	.50 per semester	CTE	Introduction to Technical Design	1 Year
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Architecture is about planning, designing, and constructing buildings. Students explore form, space, and ambience that reflect both function and aesthetics using powerful software tools. They construct drawings to technical specifications and model ideas in three dimensions.

ENGINEERING DESIGN	10, 11, 12	.50 per semester	CTE	Introduction to Technical Design	1 Year
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This class is oriented for future engineers. Students explore all facets of what it takes to get ideas produced. They draw designs on the board and on the computer in three dimensions. They discover for themselves how technology can take a project from idea to digital prototyping. Students refine designs with stress tests, fluid dynamic analysis, and motion studies.

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
DESIGN PROJECT 1: DDSN 113 TECHNICAL DRAFTING	11, 12	.50 per semester	CTE	Introduction to Technical Design and an intermediate design class such as Architectural Design, Engineering Design, or 3D Modeling & Animation	1 Sem

This course offers students the opportunity to pursue an independent board drawing and design project. The one semester project must be proposed by the student and approved by the instructor. A student chooses to create a unique project which reflects his/her learning from earlier design classes and builds upon skills with fully developed architectural or mechanical working drawings. Instructor and student may elect to align this course with Montana college class DDSN 113 Technical Drafting (DDSN 113 Technical Drafting is a post-secondary introduction to concepts related to communicating using technical graphics. Students demonstrate the ability to read blueprints, technical sketches, and schematics. Students will create simple freehand, technical sketches and pictorial drawings. Students demonstrate an understanding of views, ISO symbols, standards, dimensions, and cross sections.)

DESIGN PROJECT 2: DDSN 114 INTRODUCTION TO CAD	11, 12	.50 per semester	CTE	Introduction to Technical Design and an intermediate design class such as Architectural Design, Engineering Design, or 3D Modeling & Animation	1 Sem
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This course offers students the opportunity to pursue an independent drawing and design project. The one semester project must be proposed by the student and approved by the instructor. The student chooses to create a unique project which reflects his/her learning from earlier design classes and builds upon skills with fully developed architectural or mechanical CAD drawings. Instructor and student may elect to align this course with Montana college class DDSN 114 Intro to CAD.

DESIGN PROJECT 3: DDSN 116 3D CAD	11, 12	.50 per semester	CTE	Introduction to Technical Design and an intermediate design class such as Architectural Design, Engineering Design, or 3D Modeling & Animation	1 Sem
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This course offers students the opportunity to pursue an independent drawing and design project. The one semester project must be proposed by the student and approved by the instructor. The student chooses to create a unique project which reflects his/her learning from earlier design classes and builds upon skills with fully developed architectural, mechanical, or entertainment working drawings. Instructor and student may elect to align this course with Montana college class DDSN 116 3D CAD. (DDSN 116 3D CAD is a postsecondary and in-depth study of core computer aided design and drafting concepts. Topics covered include drawing objects, templates, blocks, layers, tables, views, 2 plotters, and three-dimensional rendering.)

METALS TECHNOLOGY 1	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem
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AT SENTINEL ONLY. Metals Technology 1 is designed to give the student a broad, basic knowledge of various metalworking processes and techniques. Areas will include: sheet metal, foundry forging, ornamental iron and machining. Industrial principles of safety and machine operations and techniques will be stressed.

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
METALS TECHNOLOGY 2	10, 11, 12	.50 per semester	CTE	Metals Technology 1 And recommend Drafting 1	1 Year

AT SENTINEL ONLY. Metals Technology 2 is designed for the student who has a definite desire to master basic metalworking skills which could enable him/her to pursue a career in one or more of the metalworking areas. Advanced industrial techniques and principles will be stressed.

POWER TECHNOLOGY 1: SMALL ENGINES 1	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem (2 periods a day at Sentinel)
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Small gasoline engines are the basis of instruction for this course. Books, manuals, and lab work will help the student learn engine design, mechanical principles, troubleshooting, tune-up, reconditioning, and maintenance. Basic principles in safety, machine and tool usage are covered. It is recommended that students furnish their own engine; lawn mowers are preferred.

POWER TECHNOLOGY 2A: SMALL ENGINES 2	10, 11, 12	.50 per semester	CTE	Power Technology 1: Small Engines	1 Year
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AT BIG SKY AND SENTINEL ONLY. A variety of engines may be serviced, reconditioned and overhauled in this class. Chain saws, motorcycles, snow blowers, lawn mowers, etc., will be included. Students will learn and practice up-to-date procedure for proper engine and equipment servicing. The course will be appropriate for aspiring mechanics or students who desire a more in depth knowledge of engines. Students should bring in at least two engines to work on during the course.

CONSUMER MECHANICS: AUTOMOTIVE	10, 11, 12	.50 per semester	CTE	Enrollment or completion of Driver's Ed or Driver's License encouraged	1 Sem
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AT BIG SKY, HELLGATE AND SENTINEL ONLY. Consumer Mechanics is intended to provide students with the knowledge to make economical decisions and take preventative measures to enhance the overall satisfaction of being an automotive consumer. The class discussions and lab activities provide the fundamental knowledge and experience in owning and maintaining an automobile.

POWER TECHNOLOGY 3: AUTOMOTIVE	11, 12	.50 per semester	CTE	Power Technology 2 or consent of instructor	1 Year (2 periods a day at Sentinel)
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AT BIG SKY AND SENTINEL ONLY. Automotive students learn how to maintain, diagnose, and repair engines, automatic and manual transmissions/transaxles, suspensions, power steering systems, brakes, electrical systems, and heating and air conditioning systems. Engine performance testing is an integral part of their training. Training also includes the safe removal and recycling of hazardous materials. All areas of instruction in this program help prepare the student for the certification test sponsored by the National Institute for Automotive Service Excellence (ASE).

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
EXPLORATION OF AUTOMOTIVE CAREERS (MAT)	11, 12	.50 per semester	CTE	Power Technology 2, or Agriculture Education 2, or consent of instructor	1 Year

In this course, students will explore and experience skills related to the automotive industry. They will maintain procedures, diagnose problems, and repair automotive components such as engines, transmissions, transaxles, drive trains, suspensions, brakes, exhaust, electrical, and heating and air conditional components. Also included is minor body collision and rust repair. This course is a partnership with Montana Automotive Technologies (MAT), which provides the shop space, tools, and projects. This class is scheduled to enhance the students “hands on” learning experience with a 3.5 hours lab and a 2 hour class scheduled each week. Check with instructor for the time, location, and day of the week.

INNOVATIVE ENERGY SYSTEMS 1	10, 11, 12	.50 per semester	CTE	Engineering Foundations	1 Sem
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This is an introductory course in power and energy technology systems. Students will gain experience and knowledge through hands-on experiences. Topics include but are not limited to: health and safety issues and procedures in power and energy generation development; awareness of sustainable energy systems and processes; practice in trouble shooting and problem solving techniques; utilization of tools and equipment to design, develop, and construct various energy production systems.

INNOVATIVE ENERGY SYSTEMS 2	10, 11, 12	.50 per semester	CTE	Engineering Foundations	1 Sem
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This course further develops skills and knowledge studied in Innovative Energy Systems 1 related to design, development, construction, and diagnosis of various energy production systems. Students utilize modular alternative energy training stations to conduct experiments and perform diagnostic testing.

INNOVATIVE ENERGY SYSTEMS 3	11, 12	.50 per semester	CTE	Innovative Energy Systems 2 and/or consent of instructor	1 Year
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Students enrolled in this advanced course will work collaboratively to determine the most cost effective Alternative energy applications for a variety of construction and retrofitting projects within the Missoula community. In addition, students will perform energy audits for MCPS and community non-profit organizations in an effort to reduce energy costs to area homeowners, low income and elderly citizens, and local businesses. Students will perform research, design, and construction of energy systems.

WELDING TECHNOLOGY 1	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem
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This course builds the basic skills required in welding. The student learns the fundamentals concerning kinds and properties of metals and studies oxyacetylene and arc welding. Industrial principles of safety, equipment usage and maintenance will be stressed.

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
WELDING TECHNOLOGY 2	10, 11, 12	.50 per semester	CTE	Welding 1, and recommend Drafting 1 at Big Sky, Hellgate and Sentinel.	1 Year at Big Sky and Sentinel 1 Sem at Hellgate

AT BIG SKY, HELLGATE AND SENTINEL ONLY. This course is designed for the student who has a definite desire to master the skills and knowledge of welding. Emphasis is placed on the welding of both ferrous and nonferrous metals and welding in the various positions. The student also gains experience in operation of the gas shielded arc welding machines, and instruction in joint design and a basic understanding of welding symbols and metallurgy.

WELDING TECHNOLOGY 3: DESIGN & FABRICATION	11, 12	.50 per semester	CTE	Welding 2 and Drafting 1 at Sentinel. Welding 1 and 2 at Hellgate	1 Year (2 hour daily block) Repeatable with consent of instructor and a grade of C or better
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AT HELLGATE AND SENTINEL ONLY. This course is designed for students who desire to construct and assemble projects from the materials used in the art-metal, construction, and metals industries. Emphasis will be placed on drawing, designed, and problem-solving objects for the functional and aesthetic utilization. Applied math and science concepts will be utilized and new technologies of material separation and assembly will be studied. Students will be required to work on individual and school/group projects. Advanced welding techniques and career exploration will be the major emphasis of this course.

WELDING TECHNICIAN ENTRY LEVEL	10, 11, 12	.50 per semester	CTE	None	1 Sem
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This course offers students an opportunity to learn the fundamentals of welding technology. Topics include joint design and construction, introduction to oxyacetylene welding, introduction to arc welding, introduction to MIG welding, material cutting processes, and welding career exploration.

WOOD TECHNOLOGY 1	9, 10, 11, 12	.50 per semester	CTE	None	1 Sem
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This course challenges students with problem-solving situations related to wood and wood technology. Basic skills in sawing planing, drilling, gluing, shaping, finishing and design are demonstrated to students through mass production and teacher student selected projects with an emphasis on safety at all times.

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
WOOD TECHNOLOGY 2	10, 11, 12	.50 per semester	CTE	Wood Technology 1 and recommend Drafting 1	1 Year

Wood Technology 2 emphasizes a combination of advanced machine operations and wood technology. Students will be presented with various problems to which they must conceptualize the solution, then design and build the final product. Units covered will be: principles which apply to construction of trusses (such as in towers and bridges), mechanical principles (such as in robotics), mass production, lamination and bending, and application of plastic laminates. A teacher-student selected project will be constructed second semester.

WOOD TECHNOLOGY 3	11, 12	.50 per semester	CTE	Wood Technology 2 and recommend Drafting 1, or consent of instructor	1 Year
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Wood Technology 3 emphasizes a combination of advanced machine operations millwork, cabinetry, and basic residential construction methodology. The course promotes strong work ethics, communication skills, problem solving, teamwork, and continued skill development in the construction trades.

INTRODUCTION TO RADIO/AUDIO PRODUCTION (PODCASTING)	10, 11, 12	.50 per semester (elective)	CTE	Intro to Journalism and/or consent of instructor	1 Year
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This course will provide an introduction to the basic concepts of audio as a communication medium. Students receive practical experience and basic knowledge of audio production, including the principles of sound, announcing, copywriting, microphone technique, board operation, audio/digital tools, storytelling, program production, and organization. Students are expected to incorporate their own creative and aesthetic ideas with the parameters of various radio programs. **OPTION OF DUAL CREDIT with UM course JOUR 270-REPORTING.**

PHOTOJOURNALISM	10, 11, 12	.50 per semester (elective)	CTE	None	1 Semester
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AT SENTINEL ONLY. This course introduces students to the skills, theory, and ethics of photojournalism. Students will learn how to handle a digital SLR camera and how to work in a digital darkroom. The emphasis is on photographic content, and students will produce images from a variety of areas within photojournalism, such as portraits, sports, and features. Because this is a journalism class, students will be expected to photograph people they don't know. Students will also learn how to recognize and generate story ideas. The class is completely digital. All work will be completed on digital cameras and computers.

CAREER AND TECHNICAL EDUCATION (CTE)

INDUSTRIAL TECHNOLOGY

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
DIGITAL JOURNALISM/ONLINE NEWS WEBSITE	11, 12	.50 per semester (elective)	CTE	Introduction to Journalism, Broadcasting, Introduction to Radio/Audio, Newspaper or Web Design; and a grade of B or better in current English class; and/or consent of instructor (concurrent enrolment in Newspaper preferred, but not required)	1 Year

AT SENTINEL ONLY. This course introduces students to the skills, theory, and ethics of photojournalism. Students will learn how to handle a digital SLR camera and how to work in a digital darkroom. The emphasis is on photographic content, and students will produce images from a variety of areas within photojournalism, such as portraits, sports, and features. Because this is a journalism class, students will be expected to photograph people they don't know. Students will also learn how to recognize and generate story ideas. The class is completely digital. All work will be completed on digital cameras and computers.

MEDIA LITERACY	11, 12	.50 per semester (elective)	CTE	Introduction to Journalism, Broadcasting, Introduction to Radio/Audio, or Newspaper preferred, but not required (concurrent enrollment in Newspaper or Advanced Broadcast and must have a grade of B or better in current English class)	1 Year
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AT SENTINEL ONLY. This is a survey course of the eight mass media – newspapers, magazines, books, television, radio, movies, audio recordings, and the World Wide Web – plus the media's major "feulers" – advertising and public relations. The course traces the historical development of mass media into the multi-billion dollar industries they are today. It also deals with issues facing the media today, including media literacy.

ADVANCED BROADCAST – NEWSROOM PRODUCTION	11, 12	.50 per semester (elective)	CTE	Broadcasting, or Digital Film 1, and/or consent of instructor (concurrent enrollment in Newspaper preferred, but not required)	1 Year Repeatable
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AT SENTINEL ONLY. This class consists of video news reporting for the weekly school broadcast news program. Skills include writing, editing, interviewing, news gathering, and editing of video news stories. This is a student directed, production based class. The first semester will be intensive instruction and practice in reporting, writing, producing, directing, and delivering television newscasts. In the second semester, senior students will produce a 20 minute news documentary as a capstone project. Students may take this class in both their junior and senior years at Sentinel.

INDUSTRIAL TECHNOLOGY INDEPENDENT STUDY	11, 12	.50 per semester	CTE	Consent of instructor and 2 to 3 sequential Industrial Technology courses	1 Sem or 1 Year
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Rapid advances in technology, business, science, trades and industry have created new career opportunities and demands. Industrial Technology provides the knowledge, skills and technologies required for employment in several broad fields. In collaboration with the teacher and a related professional mentor, students will develop a school and/or workplace-based learning activity that provides an in-depth study of at least one aspect of a selected business/industry/labor.

COMPUTER SCIENCE (CP)

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Computer Science 1	EL	Algebra 1	1 Sem	X	X	X	X	X	X		X
Computer Science 2	EL	Computer Science 1	1 Sem	X	X	X	X	X	X		X
Computer Science 3	EL	Computer Science 2	1 Sem		X	X	X	X	X		X
Computer Science 4	EL	Computer Science 2	1 Sem		X	X	X	X	X		X

The four Computer Science courses listed above are open to students from Big Sky, Hellgate, and Sentinel, however, the courses are taught at Sentinel only.

See the CTE Business & Marketing and Industrial Technology Sections of this Course Guide for additional computer courses.

Mackenzie Lightfield, Sentinel



COMPUTER SCIENCE (CP)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
COMPUTER SCIENCE 1	9, 10, 11, 12	.50 per semester	EL	Algebra 1	1 Sem

OPEN TO STUDENTS AT BIG SKY, HELLGATE, AND SENTINEL BUT TAUGHT ONLY AT SENTINEL FIRST PERIOD TO ACCOMMODATE STUDENTS TRAVELING FROM OTHER SCHOOLS. Computer Science 1 is designed to introduce students to computer programming through a variety of topics. It will create an excellent view of computer science for those considering post high school study or work in fields requiring some level of computer use. The course will cover: an overview of computer history, computer components, and computer terminology, writing programs for Texas Instruments graphing calculators, software development methods, top-down design and step-wise refinement, studying language, syntax, object use, conditional statements, and repetition using the JAVA programming language.

COMPUTER SCIENCE 2	9, 10, 11, 12	.50 per semester	EL	Computer Science 1	1 Sem
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OPEN TO STUDENTS AT BIG SKY, HELLGATE, AND SENTINEL BUT TAUGHT ONLY AT SENTINEL FIRST PERIOD TO ACCOMMODATE STUDENTS TRAVELING FROM OTHER SCHOOLS. Computer Science 2 is a second semester of studying JAVA programming for the student wishing further knowledge in computer science. Programming topics will cover: designing classes and their methods and instantiating them into objects, arrays and matrices, inheritance and interfaces, recursion, searching and sorting. This will give students the background needed to take the AP Computer Science A test.

COMPUTER SCIENCE 3	10, 11, 12	.50 per semester	EL	Computer Science 2	1 Sem
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OPEN TO STUDENTS AT BIG SKY, HELLGATE, AND SENTINEL BUT TAUGHT ONLY AT SENTINEL FIRST PERIOD TO ACCOMMODATE STUDENTS TRAVELING FROM OTHER SCHOOLS. Computer Science 3 covers advanced topics in computer science for the student seriously considering a college education in technology, math, science, or business. The topic studied is graphic user interface development. **OPTION OF DUAL CREDIT with UM-MISSOULA COLLEGE course CRT 121**

COMPUTER SCIENCE 4	10, 11, 12	.50 per semester	EL	Computer Science 3	1 Sem (repeatable)
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OPEN TO STUDENTS AT BIG SKY, HELLGATE, AND SENTINEL BUT TAUGHT ONLY AT SENTINEL FIRST PERIOD TO ACCOMMODATE STUDENTS TRAVELING FROM OTHER SCHOOLS. This course is designed for advanced computer science students. Students will study graphic user interfaces.

ENGLISH-LANGUAGE ARTS (EN)

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
English 1	EN	None	1 Year	X				X	X	X	X
English 1 Reading	EN	None	1 Year	X				X	X	X	X
English 1 Honors	EN	Honors contract	1 Year	X				X			
English 2	EN	English 1	1 Year		X			X	X	X	X
English 2 Reading	EN	English 1	1 Year		X			X	X	X	X
English 2 Honors	EN	English 1	1 Year		X						X
English 2 Honors/Modern World History	EN/SS	English 1	1 Year		X				X		
English 3	EN	English 2	1 Year			X		X	X	X	X
English 3 Reading	EN	English 2	1 Year			X		X	X	X	X
English 3/US History	EN/SS	English 2	1 Year			X					X
A.P. English 3	EN	English 2	1 Year			X		X	X		X
English 4	EN	English 3	1 Year				X	X	X	X	X
English 4 Reading	EN	English 3	1 Year				X	X	X	X	X
AP English 4	EN	English 3	1 Year				X	X	X		X
Writing 101	EN	English 3 and a score of 3.5 or higher on MUSWA	1 Year				X			X	X
Literature 110	EN	English 3	1 Sem				X			X	
Speech 1	EL	None	1 Sem	X	X	X	X	X			X
Speech 2	EL	Speech 1	1 Sem	X	X	X	X	X			X
Introduction to Creative Writing	EL	None	1 Sem at HHS & SHS 1 Year at BSHS	X	X	X	X	X	X		X
Literary Magazine	EL	Intro to Creative Writing or consent of instructor	1 Year		X	X	X	X			
International Literary Magazine	EL	Intro to Creative Writing, Literary Magazine, and/or consent of instructor	1 Year			X	X	X			
Introduction to Journalism	EL	“C” or higher in current English class	1 Year	X	X	X	X	X	X	X	X
Newspaper	EL	Intro to Journalism and/or consent of instructor	1 Year		X	X	X	X	X		X
Broadcasting	EL	Intro to Journalism and/or consent of instructor	1 Year		X	X	X	X			X
Yearbook	EL	“B” or higher in Intro to Journalism and/or consent of instructor	1 Year		X	X	X	X	X	X	X

ENGLISH-LANGUAGE ARTS (EN)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
ENGLISH 1	9	.50 per semester	EN	None	1 Year

English 1 combines reading, literature and informational text; writing; speaking and language; listening and media literacy activities aligned to State standards. Freshmen may earn an honors designation on an individual basis. (Honors designation is no longer available at Hellgate.)

ENGLISH 1 READING	9	.50 per semester	EN	None	1 Year
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Students must qualify for this course with standardized test scores as the primary consideration, although grade point average, prior enrollment in a specialized support program, and/or referrals are also utilized. Students will experience reading, literature and informational text, writing, speaking and language, listening, and media literacy aligned to State standards in combination with intensive strategies that provide frequency, duration, and delivery to increase academic success.

ENGLISH 1 HONORS	9	.50 per semester	EN	Honors Contract	1 Year
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AT BIG SKY ONLY. English 1 Honors students are required to commit to an in-depth study of reading, literature and informational text; writing; speaking and language; listening and media literacy activities aligned to State standards.

ENGLISH 2	10	.50 per semester	EN	English 1	1 Year
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English 2 students study a variety of genres to appreciate literature and informational text; to refine their comprehension, fluency, language and vocabulary skills; and to obtain information. Students plan, draft, and complete written compositions on a regular basis. Students refine their researching, speaking and listening skills through a variety of activities, including presentations and a career portfolio. English 2 Honors sections include a greater depth and breadth of required student activities. All activities are aligned to State standards.

ENGLISH 2 READING	10	.50 per semester	EN	English 1	1 Year
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Students must qualify for this course. Students will study a variety of literary genres, plan, draft, and complete written compositions as well as refine speaking and listening skills. This intensive intervention will provide frequency, duration, and delivery necessary to increase reading, comprehension, and academic success. All activities are aligned to State standards.

ENGLISH 2 HONORS	10	.50 per semester	EN	English 1	1 Year
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AT SENTINEL ONLY. This course is the gateway to AP and IB English classes. Students hone their persuasive argument writing skills while completing World literature units. Discussions are often impassioned and each student is expected to participate by reading assignments on time, asking questions, and proposing and defending alternative interpretations. All of these activities require a heavy commitment of time, but by the end of the year, students should be able to write a compelling essay, speak confidently in a public setting, and appreciate a wide variety of literature. All activities are aligned to State standards.

ENGLISH-LANGUAGE ARTS (EN)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
ENGLISH 2 HONORS/MODERN WORLD HISTORY	10	.50 per semester for English AND .50 per semester for Social Studies elective	EN/SS	English 1	1 Year

AT HELLGATE ONLY. A collaborative approach to the study of World Cultures, this course includes credit for World History and Honors Sophomore English. It emphasizes the dynamic interdependence and evolutionary nature of world history and culture. While world history and literature are the primary focus, the importance of art, music philosophy, science and technology is also explored. Teachers emphasize reading, writing and composition in preparation for AP classes at the junior and senior levels. All activities are aligned to State standards.

ENGLISH 3	11	.50 per semester	EN	English 2	1 Year
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English 3 students study a variety of genres to appreciate literature and informational text; to refine their comprehension, fluency, language and vocabulary skills; and to obtain information. Students plan, draft and complete written compositions, including a persuasive essay and literary analysis. Students refine their researching, speaking, and listening skills through a variety of activities, including a speech using visual aids. All activities are aligned to State standards.

ENGLISH 3 READING	11	.50 per semester	EN	English 2	1 Year
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English 3 Reading is primarily a study of American literature from the colonial period to the twenty-first century. Works will focus on themes centered on the American Dream and social justice. Students discuss important works from a variety of genres. They initiate and participate in a range of collaborative discussions and more formal presentations. Students examine the craft of writing and compose and publish informative/explanatory, argumentative, and narrative pieces. All activities are aligned to State standards.

ENGLISH 3/U.S. HISTORY/	11	.50 per semester for English AND .50 per semester for Social Studies	EN/SS	English 2	1 Year
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AT SENTINEL ONLY. This class allows students to see the interconnection between American history and American literature. It surveys U.S. history with an emphasis on the 20th Century. The class explores the democratic ideas that shaped us, the responsible citizenship that sustains us, the cultural diversity that enriches us, and the global perspectives needed in an ever-changing world. Economic issues and current affairs are woven into the class. Students will explore and examine themes and issues in literature related to selected time period thematic in-depth units of study. Students will use a variety of skills including researching, accessing, organizing, analyzing, and presenting information orally and in written form. Students will take notes, complete projects, take part in simulations, and engage in debate and discussions. All activities are aligned to State standards.

AP ENGLISH 3	11	.50 per semester	EN	English 2	1 Year
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Advanced Placement (AP) English 3 is an accelerated, yearlong course open to juniors interested in classic works of literature which are combined with writing activities to prepare students for taking the Advanced Placement Exam in May. All activities are aligned to State standards. AT HELLGATE - AP English 3 involves English Language and Composition. AT BIG SKY AND SENTINEL – AP English 3 involves English Literature and Composition.

ENGLISH-LANGUAGE ARTS (EN)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
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ENGLISH 4	12	.50 per semester	EN	English 3	1 Year
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In English 4 students write extensively, including research, literary analysis, critical review and creative forms. English 4 students read in multiple genres to appreciate literature and informational text; to refine their comprehension, fluency language and vocabulary; and to obtain information. English 4 students produce and respond to a variety of media, refining their speaking, listening and critical thinking skills. Students complete the course with a culminating, oral project/presentation. At Sentinel, there will be oral projects/presentations throughout the school year. All activities are aligned to State standards.

ENGLISH 4 READING	12	.50 per semester	EN	English 3	1 Year
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In English 4 Reading works focus on themes centered on self, society, and transitions. In their essays and discussions, students may relate a work to its historical circumstances, trace a symbol through a work or works, or consider a moral or philosophical question. Students write informative/explanatory, argumentative, and narrative pieces and build on their writing skills from previous years. All activities are aligned to State standards.

AP ENGLISH 4	12	.50 per semester	EN	English 3	1 Year
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AP English 4 is an accelerated, yearlong course open to seniors interested in classic works of literature, which are combined with writing activities to prepare students for taking the Advanced Placement Exam in May. All activities are aligned to State standards. AT HELLGATE - AP English 4 involves English Literature and Composition. AT BIG SKY AND SENTINEL – AP English 4 involves English Language and Composition.

WRITING 101	12	.50 per semester	EN	English 3 and a score of 3.5 or higher on MUWSA	1 Year at SHS 1 Sem at SSHS
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SENTINEL AND SEELEY-SWAN ONLY. Writing 101 engages students in reading complex texts with understanding and writing prose of sufficient richness and complexity to communicate effectively with mature readers. Writing effectively is fundamental to success in academic, professional, and civic endeavors. Students will inquire into such problems as global warming or racism to understand, assess, and evaluate how conclusions and generalizations are justified based on data; to develop coherent arguments that critique works from a variety of approaches, such as historical, aesthetic, cultural, psychological, political, and philosophical, and to analyze human behavior, ideas, and institutions within their historical and cultural contexts. Sentinel students in grade 12 will have the option of taking this course, instead of English 4, for dual credit with the University of Montana. This course at Sentinel corresponds to the UM course WRIT 101-College Writing 1. Seeley-Swan students in grade 12 will have the option of taking this course, instead of one semester of English 4, for dual credit with the University of Montana-Helena College of Technology. This course at Seeley-Swan corresponds to the UM-Helena COT course WRIT 101-College Writing 1. NOTE: All courses taken to satisfy UM General Education Requirements must be taken for a traditional letter grade and must be passed with a grade of C- or better. **OPTION OF DUAL CREDIT with UM course WRIT 101-COLLEGE WRITING I.**

LITERATURE 110	12	.50 per semester	EN	English 3	1 Sem
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SEELEY-SWAN ONLY. Literature 110 will foster a love of literature and will develop the skills to discuss it with passion. Through in-depth study, students will know what makes great literature and why. They will understand how to tell the difference between a good book and a great book. This course will teach the dynamics of what makes us embrace specific viewpoints. Students will write an analysis that takes in opposing views and presents a clear, articulate argument. They will know how to write not merely a summary or impressions, but an analysis. They will engage in focused classroom discussion and oral presentation. Seeley-Swan students in grade 12 will have the option of taking this course, instead of one semester of English 4, for dual credit with the University of Montana-Helena College of Technology. This course at Seeley-Swan corresponds to the UM-Helena COT course LIT 110-Introduction to Literature. NOTE: All courses taken to satisfy UM General Education Requirements must be taken for a traditional letter grade and must be passed with a grade of C- or better. **OPTION OF DUAL CREDIT with UM course LIT 110-INTRODUCTION TO LITERATURE.**

ENGLISH-LANGUAGE ARTS (EN)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
SPEECH 1	9, 10, 11, 12	.50 per semester (elective)	EL	None	1 Sem

AT BIG SKY AND SENTINEL ONLY. Express yourself! Speaking, listening, and observing are fundamental processes, which people use to express, explore, and learn about ideas. Students In Speech 1 integrate multiple sources of information, as well as evaluate the integrity/credibility of the source. Students learn how to evaluate a speaker’s point of view, reasoning, and use of evidence and rhetoric.

SPEECH 2	9, 10, 11, 12	.50 per semester (elective)	EL	Speech 1	1 Sem
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AT BIG SKY AND SENTINEL ONLY. Speech 2 students will increase and refine their speaking skills. They will participate in full-length competition-level Lincoln Douglas and Policy Debate per the Montana High School Association Rules and Procedures Handbook.

INTRODUCTION TO CREATIVE WRITING	9, 10, 11, 12	.50 per semester (elective)	EL	None	1 Sem at HHS & SHS, 1 Year at BSHS
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Tell your story. Explore the universe of creative writing possibilities. Play with words. Become a better writer. Work with other inspired students to sharpen your skills, find your voice, and create an anthology of your own work. Count on writing, rewriting, and rewriting some more. Make your work ready for the world. Maybe even get published.

LITERARY MAGAZINE	10, 11, 12	.50 per semester (elective)	EL	Intro to Creative Writing and/or consent of instructor	1 Year
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AT BIG SKY ONLY. Literary Magazine students continue to expand their writing portfolios with increasingly sophisticated works. At Big Sky, they publish the school literary magazine: *Aerie Big Sky*.

INTERNATIONAL LITERARY MAGAZINE	11, 12	.50 per semester (elective)	EL	Intro to Creative Writing, Literary Magazine, and/or consent of instructor	1 Year
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AT BIG SKY ONLY. International Literary Magazine students further expand their writing portfolios with consistently more complex and sophisticated works. At Big Sky, they publish the international high school literary magazine: *Aerie International*.

INTRODUCTION TO JOURNALISM	9, 10, 11, 12	.50 per semester (elective)	EL	“C” or higher in current English class	1 Year
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The class introduces basic concepts in journalism and prepares students to write, especially in preparation for work on publications (newspaper, yearbook, radio/audio). There will be intensive emphasis on writing with some required reading of literature related to journalism. In addition students learn photography, publication technology and broadcast technology.

ENGLISH-LANGUAGE ARTS (EN)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
NEWSPAPER	10, 11, 12	.50 per semester (elective)	EL	Intro to Journalism and/or consent of instructor	1 Year

This class may be taken for up to three years for elective credit only. It is a laboratory class in intensive writing which produces the school newspaper. Students in Journalism 2 (newspaper) will learn vocational aspects of running a newspaper, discuss the media, and read literature related to media and journalism.

BROADCASTING	10, 11, 12	.50 per semester (elective)	EL	Intro to Journalism and/or consent of instructor	1 Year
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AT BIG SKY AND SENTINEL ONLY. This class may be taken for up to three years for elective credit only. It is a laboratory class in intensive writing and video production that produces the school television programming. Students in Journalism (broadcasting) will learn vocational aspects of running a television station; discuss the media, and read literature related to media and journalism.

YEARBOOK	10, 11, 12	.50 per semester	EL	"B" or higher in Intro to Journalism and/or consent of instructor	1 Year
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This class may be taken up to three years for elective credit only. It is a laboratory class that produced the school yearbook. Students in this class will learn vocational aspects of running a publication, photography, and layout. They will be responsible for producing the book of record for the school for that year. Students must have a grade of "B" or higher in Intro to Journalism or be seniors with the consent of the instructor.

Dominique Daricek, Sentinel



FINE ARTS (AR)

MUSIC

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Beginning Band	AR	Previous Instruction in Grade School or Consent of Instructor	1 Year	X				X	X		X
Intermediate Band	AR	Previous Instruction in Grade School or Consent of Instructor	1 Year	X	X	X	X	X	X	X	X
Advanced Band	AR	Beginning Band, or Intermediate Band, or Consent of Instructor	1 Year		X	X	X	X	X		X
Jazz Band	AR	Audition and Consent of Instructor	1 Year		X	X	X	X	X		X
Wind Ensemble	AR	Consent of Instructor	1 Year		X	X	X	X	X		
Beginning Men's Choir	AR	None	1 Year	X	X	X	X	X	X	X	X
Beginning Women's Choir	AR	None	1 Year	X	X	X	X	X	X	X	X
Advanced Women's Choir	AR	Audition and Consent of Instructor. Beginning Choir Recommended	1 Year		X	X	X	X	X		X
Intermediate Mixed Choir	AR	Audition and Consent of Instructor. Beginning Choir Recommended	1 Year	X	X	X	X	X	X	X	X
Advanced Mixed Choir	AR	Audition & Consent of Instructor	1 Year		X	X	X	X	X		X
Advanced Chamber Ensemble	AR	Audition & Consent of Instructor	1 Year		X	X	X				
Guitar 1	AR	None	1 Sem	X	X	X	X	X			X
Ukulele 1	AR	None	1 Sem	X	X	X	X	X			
Beginning Orchestra	AR	Previous Instruction or Consent of Instructor	1 Year	X	X	X	X	X			
Intermediate Orchestra	AR	2 or 3 Years Prior Playing Experience and Consent of Instructor	1 Year	X	X	X	X		X		X

FINE ARTS (AR)

MUSIC

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Advanced Orchestra	AR	Audition and Consent of Instructor	1 Year		X	X	X		X		X
Music Technology	AR	2 Years of Music Training or Consent of Instructor	1 Sem or 1 Year			X	X				



Alishka Gusky, Sentinel

FINE ARTS (AR)

MUSIC

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
BEGINNING BAND	9	.50 per semester	AR	Previous instruction in grade school or consent of instructor	1 Year

AT BIG SKY, HELLGATE AND SENTINEL ONLY. This course continues to teach basic musicianship and fundamentals started in elementary school and to give each student a varied experience in instrumental music. The student will participate in marching band and may participate in small group and solo playing as well as jazz band.

INTERMEDIATE BAND	9, 10, 11, 12	.50 per semester	AR	Previous instruction in grade school or consent of instructor	1 Year
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This course continues to teach basic musicianship and fundamentals started in elementary school and to give each student a varied experience in instrumental music. The student will participate in marching band and may participate in small group and solo playing as well as jazz band.

ADVANCED BAND	10, 11, 12	.50 per semester	AR	Beginning Band or Intermediate Band or consent of instructor	1 Year
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AT BIG SKY, HELLGATE AND SENTINEL ONLY. This course teaches an appreciation of all band performances including: marching band, concert band, solos, and ensembles. Literature and playing techniques reflect the most advanced level of our high school bands.

JAZZ BAND	10, 11, 12	.50 per semester	AR	Audition and consent of instructor	1 Year
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AT BIG SKY, HELLGATE AND SENTINEL. This course is a 20-piece instrumental ensemble, which will play the full range of jazz and big band literature. Students will play individual parts and study techniques of improvisation. Students should anticipate frequent school and community performances.

WIND ENSEMBLE	10, 11, 12	.50 per semester	AR	Consent of instructor	1 Year
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AT BIG SKY, HELLGATE, AND SENTINEL ONLY. This course studies upper level concert repertoire wind band music. Emphasis is on building upper level music skills, small ensembles and solo performance.

FINE ARTS (AR)

MUSIC

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
BEGINNING MEN'S CHOIR	9, 10, 11, 12	.50 per semester	AR	None	1 Year

AT BIG SKY, HELLGATE AND SENTINEL ONLY. Beginning men's choir will introduce fundamentals of vocal production and will focus on the changing male voice as well as the changed male voice, basic music literacy, and choral performance.

BEGINNING WOMEN'S CHOIR	9, 10, 11, 12	.50 per semester	AR	None	1 Year
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AT BIG SKY, HELLGATE, AND SENTINEL ONLY. Beginning women's choir will introduce fundamentals of vocal production, including an understanding of the student's own voice, basic music literacy, and choral performance.

ADVANCED WOMEN'S CHOIR	10, 11, 12	.50 per semester	AR	Audition and consent of instructor Beginning Choir recommended	1 Year
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AT BIG SKY, HELLGATE AND SENTINEL ONLY. Advanced women's choir is a select group that, through the media at music performances, studies music of all diversities and styles. Musical growth is emphasized in part singing, vocal skills, musicianship and performance leading to a greater degree of sophistication in those areas.

INTERMEDIATE MIXED CHOIR	9, 10, 11, 12	.50 per semester	AR	Audition and consent of instructor Beginning Choir recommended	1 Year
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Intermediate Mixed Choir will introduce fundamentals of vocal production, including an understanding of the student's own voice, basic music literacy, and choral performance.

ADVANCED MIXED CHOIR	10, 11, 12	.50 per semester	AR	Audition and consent of instructor	1 Year
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AT BIG SKY, HELLGATE AND SENTINEL ONLY. Advanced mixed choir will explore through study and frequent performances an expanded repertoire of quality choral literature. The class shall be the logical extension of a program wherein music literacy, from note reading to style understanding, and individual vocal and musical growth, have all been stressed. Its express goal shall be to embrace the art of choral performance with its best music, and with the best set of musical skills and aesthetic understandings that our students can achieve.

FINE ARTS (AR)

MUSIC

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
ADVANCED CHAMBER ENSEMBLE	10, 11, 12	.50 per semester	AR	Audition and consent of instructor	1 Year

Advanced Chamber Ensemble expands upon fundamentals of vocal production, including an understanding of the student’s own voice, basic music literacy, and choral performance, emphasizing vocal chamber literature. Methodology is employed through group rehearsal. Assessments used are individual voice testing, written tests, live concert performances, invitational/district festival participation, and post-performance evaluation. Increased performance opportunities are required.

GUITAR 1	9, 10, 11, 12	.50 per semester	AR	None	1 Semester
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AT BIG SKY AND SENTINEL ONLY.

If you have ever wanted to play guitar, here is your chance – and it is free! Learn how to play power chords, strum, use a pick, play chord progressions, read tab and play music, play a bass line, and more. Students will be playing acoustic guitars. All students need to purchase Hal Leonard’s Guitar Method Book One (with CD). Homework will be required. Singing is a must! Our final will be a coffee house show.

UKULELE 1	9, 10, 11, 12	.50 per semester	AR	None	1 Semester
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AT BIG SKY ONLY.

Ukuleles are hot! Amaze your friends...learn skills such as reading a lead sheet, understanding and playing chords and chord progressions, improvising, simple arranging, basic music theory and history, and the ability to learn music from a recording (by ear) as well as by note reading. Ukulele 1 students will learn transferable music skills which they can build on to enjoy music throughout their lives.

BEGINNING ORCHESTRA	9, 10, 11, 12	.50 per semester	AR	Previous instruction in grade school or consent of instructor	1 Year
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AT BIG SKY ONLY. Orchestra continues the development of basic musicianship and music fundamentals and fosters improved technical skills on string instruments through the preparation of increasingly more advanced orchestral literature. Students have the opportunity to develop a more mature musical appreciation through participation in and enjoyment of the world’s greatest music.

INTERMEDIATE ORCHESTRA	9, 10, 11, 12	.50 per semester	AR	2 or 3 years prior playing experience and consent of instructor	1 Year
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AT HELLGATE AND SENTINEL ONLY. This course continues to teach basic musicianship and fundamentals started in elementary school and to give each student a varied experience in instrumental music. Skills such as tuning, vibrato, shifting, and a variety of bowing techniques are stressed. Students may audition for the Missoula Youth Symphony and perform a solo or small ensemble at the District Music Festival, as well as perform in several concerts during the year.

FINE ARTS (AR)

MUSIC

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
ADVANCED ORCHESTRA	10, 11, 12	.50 per semester	AR	Audition and consent of instructor	1 Year

AT HELLGATE AND SENTINEL ONLY. Advanced Orchestra continues the development of basic musicianship and music fundamentals and fosters improved technical skills on string instruments through the preparation of increasingly more advanced orchestral literature. Students have the opportunity to develop a more mature musical appreciation through participation in and enjoyment of the world's greatest music.

MUSIC TECHNOLOGY	11, 12	.50 per semester	AR	2 years music training or consent of instructor	1 Sem or 1 Year
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Music Technology students will compose, arrange and develop music theory skills through the use of computer based music technology. The class will enable students to study the elements of music for their own edification or as preparation for those students who will be college-bound music majors. Students will be assessed through oral and written assignments and exams, reports and participation.



Ben Tabaracci, Sentinel

FINE ARTS (AR)

THEATRE ARTS

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Drama 1 Intro to Theatre	AR	None	1 Sem	X	X	X	X	X	X	X	X
Drama 2 Intermediate Theatre	AR	Drama 1 and consent of instructor	1 Year		X	X	X	X	X	X	X
Drama 2 Filmmaking	AR	Drama 1 and/or consent of instructor	1 Sem		X	X	X	X	X		X
Drama 3 Advanced Theatre	AR	Drama 2 and consent of instructor	1 Year		X	X	X	X	X		X
Movement for Theatre	AR	None	1 Sem		X	X	X	X	X		X
Technical Theatre Production	AR	Drama 1 and/or consent of instructor	1 Year		X	X	X	X	X		X



Andersen Haslam, Sentinel

FINE ARTS (AR)

THEATRE ARTS

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
DRAMA 1 INTRO TO THEATRE	9, 10, 11, 12	.50 per semester	AR	None	1 Sem

Introduction to Theatre students will become acquainted with various areas of theatre: acting, basic technology, theatre etiquette, movement, vocalization, and basic theatre history. Students will gain a general knowledge of basic theatre arts and an appreciation of theatre arts as an enjoyable activity. In class performance and active class participation will be implemented.

DRAMA 2 INTERMEDIATE THEATRE	10, 11, 12	.50 per semester	AR	Drama 1 and consent of instructor	1 Year
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THIS YEAR-LONG COURSE WILL SATISFY THE FINE ARTS REQUIREMENT. Intermediate Theatre students will become acquainted with several selected areas of theatre: including presentation and technical work. Students will gain advanced knowledge and appreciation of the theatre. Public and in-class performance will be a central feature of this class.

DRAMA 2 FILMMAKING	10, 11, 12	.50 per semester	AR	Drama 1 and/or consent of instructor	1 Sem (1 st Semester)
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Filmmaking students will become acquainted with several selected areas of film emphasizing: acting for film, storyboarding and writing for film, directing and editing, television studio work, cinematography, video editing, film production, analysis and appreciation of film. Public and in-class performance will be a central feature of this class. Students will be expected to invest time out of class for production projects and participate in various film festivals. (Students enrolled in Drama 2 Filmmaking 1st semester should be enrolled in Movement for Theatre 2nd semester).

DRAMA 3 ADVANCED THEATRE	10, 11, 12	.50 per semester	AR	Drama 2 and consent of instructor	1 Year
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This course will explore various aspects of theatre in depth. Students will mount productions for evening performances. Acting Workshop will include script analysis and advanced scene study, stressing a line-by-line breakdown of various theatrical pieces. Students will mount plays and conceptual theatre pieces. Dance and creative movement will be gone into in depth, with emphasis on experimentation and the development of original performance art. This course is for those with a serious interest in the performing arts and the drive to work hard both during and after school, as required.

FINE ARTS (AR)

THEATRE ARTS

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
MOVEMENT FOR THE THEATRE	10, 11, 12	.50 per semester	AR	None	1 Sem (2 nd Semester)

Movement for the Theatre students will become acquainted with several selected areas of theatre emphasizing dance, stage choreography and presentation for the theatre. Students will gain knowledge and appreciation of choreography for the theatre including but not limited to mime, dance, non-contact stage combat, clowning, and juggling. Public and in-class performance will be a central feature of this class. Students will be expected to invest time out of class for performance projects.

TECHNICAL THEATRE PRODUCTION	10, 11, 12	.50 per semester	AR	Drama 1 and/or consent of instructor	1 Year
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Theatre students will become acquainted with several selected areas of theatre including presentation and technical work. Students will study lighting, set construction, stage presentation, and set design. Providing technical design and fabrication for public and in-class performances will be a central feature of this class. Students will be expected to invest time out of class for work calls and class projects. Fine Art credit only will be awarded for this class.

Hunter McKenzie, Sentinel



FINE ARTS (AR)

VISUAL ARTS

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Introduction to Art	AR	None	1 Year at (1 Sem at SHS)	X	X	X	X	X	X	X	X
Ceramics	AR	Introduction to Art	1 Sem		X	X	X	X	X		X
Ceramics 2	AR	Ceramics	1 Sem		X	X	X	X			X
Drawing	AR	Introduction to Art	1 Sem		X	X	X	X	X		X
Graphic Illustration	AR	Introduction to Art	1 Sem		X	X	X	X			
Jewelry	AR	Introduction to Art	1 Sem		X	X	X				X
Media Arts 1	AR	Introduction to Art or Consent of Instructor	1 Sem		X	X	X				
Media Arts 2	AR	Media Arts 1 or Consent of Instructor	1 Sem		X	X	X				
Painting	AR	Introduction to Art	1 Sem		X	X	X	X	X		X
Printmaking	AR	Introduction to Art	1 Sem		X	X	X		X		
Sculpture	AR	Introduction to Art	1 Sem		X	X	X	X	X		X
Watercolor	AR	Introduction to Art	1 Sem		X	X	X	X	X		
Conceptual Mixed Media	AR	Introduction to Art and Drawing (or Consent of Instructor)	1 Sem			X	X		X		
Senior Studio	AR	Intro to Art, 2 additional art courses, and Consent of Instructor	1 Sem			X	X	X	X		X
AP Studio Art	AR	Introduction to Art	1 Year			X	X				X



Taylor Kinsella, Sentinel

FINE ARTS (AR)

VISUAL ARTS

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
INTRODUCTION TO ART	9, 10, 11, 12	.50 per semester	AR	None	1 Year (1 Sem at Sentinel)

Introduction to Art is a yearlong beginning art class designed to acquaint the student with the basic techniques and methods of art. This course focuses primarily on production, perception and reflection. Through the study of the elements and principles of design, the student will develop a sense of composition in various art media and the ability to critique his/her own work. Introduction to Art is a prerequisite to all other art offerings.

CERAMICS	10, 11, 12	.50 per semester	AR	Introduction to Art	1 Sem
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AT BIG SKY, HELLGATE AND SENTINEL ONLY. Clay techniques: hand building, coil, slab, sculpted work, wheel throwing and glazing will be taught in the ceramics class. The student will learn to work in a 3-dimensional form which has functional and artistic applications for today's world.

CERAMICS 2	10, 11, 12	.50 per semester	AR	Ceramics	1 Sem
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AT BIG SKY AND SENTINEL ONLY. Advanced techniques in clay including wheel throwing, mold making and glaze calculation. Experiential firing including raku, wood fire and other high fire processes. Field trips to experience digging clay and observing professional techniques and processes.

DRAWING	10, 11, 12	.50 per semester	AR	Introduction to Art	1 Sem
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The student will use a variety of drawing techniques and materials such as pencil, charcoal, chalk, pen & ink, etc. The student will experience these techniques in projects which are representational, nonobjective, and imaginary.

GRAPHIC ILLUSTRATION	10, 11, 12	.50 per semester	AR	Introduction to Art	1 Sem
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AT BIG SKY ONLY. Graphic illustration presents the opportunity for the student to work with specialized techniques used in the field of illustration. The student is exposed to continued drawing and multimedia techniques commonly used in the field of Commercial Art.

FINE ARTS (AR)

VISUAL ARTS

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
JEWELRY	10, 11, 12	.50 per semester	AR	Introduction to Art	1 Sem

Jewelry offers the student the opportunity to work with specialized techniques in the field of jewelry. Students will be exposed to a variety of traditional and modern jewelry procedures.

MEDIA ARTS 1	10, 11, 12	.50 per semester	AR	Introduction to Art or Consent of Instructor	1 Sem
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Media Arts 1 presents the opportunity for the students to work with specialized techniques used in the fields of graphic design and media arts. Students apply the elements and principles of design to assignments that include the use digital tools for personal and commercial applications. Students create artwork for a variety of assignments, receive an historical overview of graphic and media arts, and analyze their art and the work of others. Media arts can include photography and photo manipulation, videography and editing, interactive media, game design, installation, motion graphics, and digital graphic illustration.

MEDIA ARTS 2	10, 11, 12	.50 per semester	AR	Media Arts 1 or Consent of Instructor	1 Sem
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Media Arts 2 continues the opportunity for students to work with specialized techniques used in the field of media arts. Students create advanced artwork, which can include photography and photo manipulation, videography and editing, interactive media, game design, installation, motion graphics, and digital graphic illustration.

PAINTING	10, 11, 12	.50 per semester	AR	Introduction to Art	1 Sem
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Students will be introduced to painting methods and techniques by using oil, tempera, and acrylic media. Through the use of color theory and mixing techniques the students will be able to paint in a variety of styles utilizing methods such as: ala prima, impasto, glazing, etc.

PRINTMAKING	10, 11, 12	.50 per semester	AR	Introduction to Art	1 Sem
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AT HELLGATE ONLY. Printmaking is a way of reproducing multiple images of a design from one surface to another. The students will experience the transfer by means of a variety of printmaking methods, including silk-screen, dry point, collagraph, relief printing and embossing.

FINE ARTS (AR)

VISUAL ARTS

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
SCULPTURE	10, 11, 12	.50 per semester	AR	Introduction to Art	1 Sem

Sculpture develops an understanding of three-dimensional design and the nature of various materials used in creating it. The student will experience works in various media such as wood, wire, styrofoam, paper and plaster, assemblage, and clay.

WATERCOLOR	10, 11, 12	.50 per semester	AR	Introduction to Art	1 Sem
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AT BIG SKY AND HELLGATE ONLY. Students will be introduced to the use of transparent watercolor, gouches, tempera, Chinese brush painting, and experiment with other water-based media and techniques.

CONCEPTUAL MIXED MEDIA	11, 12	.50 per semester	AR	Introduction to Art, 1 Additional Art Class and Consent of Instructor	1 Sem
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Conceptual Mixed Media is a class for the seriously focused, thinking, experimental person who approaches art with idea and experimentation as the primary focus. Students must have ideas of what they want to say visually through their art and the strong desire to experiment with media to attain the results. Conversely, students must also be willing to play without a preconceived ideal of the outcome. We are focused on art making as most contemporary artists are: having a vision, able to process their intentions, and willing to work with any and all available process to see it to fruition.

SENIOR STUDIO	11, 12	.50 per semester	AR	Introduction to Arts, 2 Additional Art Classes, and Consent of Instructors	1 Sem
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AT BIG SKY, HELLGATE & SENTINEL ONLY. The serious Junior or Senior visual art student will have the opportunity to pursue in-depth studies in different types of artistic problem solving using a variety of media, research, documentation, assessment, and evaluation. A variety of materials and specific guidance will be provided during the progression of this class. The student will be responsible for working at advanced and maximum levels throughout the progression of this course. Some activities that may be included in this class would be further exploration of student selected media, organizing a professional portfolio for post-secondary opportunities, writing a resume geared toward the arts, writing an artist statement, adding strength to the artist's weak areas in visual art, pursuing an in-depth approach to examining a specific style in art, studying the history of art, exhibiting artwork, visiting places in the community associated with art, etc.

AP STUDIO ART	11, 12	.50 per semester	AR	Introduction to Art	1 Year
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This Advanced Placement (AP) course gives advanced art students the opportunity to earn college credit, scholarships, entrance into college art programs and to improve artistic knowledge and skills. This class will embrace the MCPS 21st Century Initiative of forward thinking and high achievement.

HEALTH ENHANCEMENT (HE)

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Health Enhancement 1	HE	None	1 Year	X				X	X	X	X
Health Enhancement 2	HE	Health Enhancement 1	1 Year		X			X	X	X	X
**Perform Better	HE	Must also take, or have taken, Health Enhancement	1 Sem	X	X	X	X	X			
**Beginning Weight Training & Conditioning	HE	Health Enhancement 1 or 2, or concurrent enrollment	1 Sem	X	X	X	X	X		X	
**Weight Training & Conditioning	HE	Health Enhancement 1 or 2, or concurrent enrollment or consent of instructor	1 Sem	X	X	X	X		X	X	X
**Advanced Weight Training & Conditioning	HE	Beginning Weight Training & Conditioning	1 Sem	X	X	X	X	X			
**Focus on Fitness	HE	Health Enhancement 2 or consent of instructor	1 Sem			X	X	X	X		
**Lifetime Activity	HE	Health Enhancement 2 or consent of instructor	1 Sem			X	X	X	X		X
**Team Sport Challenge	HE	Health Enhancement 2 or consent of instructor	1 Sem			X	X	X	X		
**Sport Nutrition	HE	Health Enhancement 2 or consent of instructor	1 Sem			X	X	X	X		

****Elective Health Enhancement classes cannot be substituted for Health Enhancement 1 or 2.**

HEALTH ENHANCEMENT (HE)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
HEALTH ENHANCEMENT 1	9	.50 per semester	HE	None	1 Year

This required course teaches the importance of practicing a healthy lifestyle. Students will have the opportunity to develop skills in a variety of activities including team, dual, outdoor pursuits, strength and conditioning, and rhythms. Basic fitness concepts are taught and students work toward improving and maintaining their fitness levels. In the classroom, age appropriate health concepts are learned in select health content areas (such as family life, substance abuse). Students learn and practice communication and decision making skills to enhance their health.

HEALTH ENHANCEMENT 2	10	.50 per semester	HE	Health Enhancement 1	1 Year
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In this required course, students have the opportunity to practice a healthy active lifestyle and develop skills in a variety of activities that include team, dual and individual sports, outdoor pursuits, strength and conditioning, and rhythms. Students will assess their personal fitness levels and develop fitness programs based on personal needs and activity preferences. Throughout the year, students will work to improve and maintain their fitness levels. In the classroom, age appropriate health concepts are learned in select health content areas such as mental and emotional health, nutrition, and injury prevention. Students continue to practice communication and decision making skills to enhance their health.

PERFORM BETTER	9, 10, 11, 12	.50 per semester	HE	Health Enhancement 1, or concurrent enrollment, or consent of instructor	1 Sem
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AT BIG SKY ONLY. Perform Better will teach students to move more effectively and more efficiently. Students will be exposed to agility, speed, balance, plyometrics, reaction and strength techniques. This course's unique strength teaches movement skills to correct body position, foot/ground relationship, balance and other variables that help students move quicker while expending less energy. **This class does not take the place of Health Enhancement 1 or 2.

BEGINNING WEIGHT TRAINING & CONDITIONING	9, 10, 11, 12	.50 per semester	HE	Health Enhancement 1, or concurrent enrollment, or consent of instructor	1 Sem
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AT BIG SKY AND SEELEY SWAN ONLY. Students will learn correct lifting techniques as well as basic training principles and programs. Cardiovascular, conditioning, and flexibility are also emphasized. **This class does not take the place of Health Enhancement 1 or 2.

WEIGHT TRAINING & CONDITIONING	9, 10, 11, 12	.50 per semester	HE	Health Enhancement 1 or 2, or concurrent enrollment, or consent of instructor	1 Sem
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AT HELLGATE, SENTINEL, AND SEELEY SWAN ONLY. This course allows the student to experience and develop lifting programs specific to their individual needs. Students will work to improve their fitness levels in the five health-related fitness components. **This class does not take the place of Health Enhancement 1 or 2.

HEALTH ENHANCEMENT (HE)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
ADVANCED WEIGHT TRAINING & CONDITIONING	9, 10, 11, 12	.50 per semester	HE	Beginning Weight Training & Conditioning	1 Sem

AT BIG SKY ONLY. Advanced weight training continues the development of Beginning Weight Training & Conditioning including fundamentals and advanced skill development. Students experience and develop lifting programs specific to their individual needs. They work to improve their fitness levels in the five health-related fitness components. **This class does not take the place of Health Enhancement 1 or 2.

FOCUS ON FITNESS	11, 12	.50 per semester	HE	Health Enhancement 2 or consent of instructor	1 Sem
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AT BIG SKY AND HELLGATE ONLY. This course focuses on continuing and improving aerobic development, enjoying movement, and valuing physical activity and fitness in a student's life. Course activities emphasize all components of physical fitness and pursuit of an active lifestyle. **This class does not take the place of Health Enhancement 1 or 2.

LIFETIME ACTIVITY	11,12	.50 per semester	HE	Health Enhancement 2 or consent of instructor	1 Sem
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AT BIG SKY, HELLGATE, AND SENTINEL ONLY. Lifetime activities within our community are explored in pursuit of maintaining an active lifestyle. Students will continue and improve skill development, enjoy movement, and value physical activity and fitness throughout life. Activities emphasize and include team, racquet, and active lifestyles activities. **This class does not take the place of Health Enhancement 1 or 2.

TEAM SPORT CHALLENGE	11,12	.50 per semester	HE	Health Enhancement 2 or consent of instructor	1 Sem
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AT BIG SKY AND HELLGATE ONLY. This course is designed for students to focus on advanced skill development, rules, and strategies through the experience of a variety of team sports. Students master the concepts of teamwork and sportsmanship while improving fitness and learning lifelong skills. The goal is for students to practice socially acceptable behavior through participation in team sports. **This class does not take the place of Health Enhancement 1 or 2.

SPORT NUTRITION	11,12	.50 per semester	HE	Health Enhancement 2 or consent of instructor	1 Sem
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AT BIG SKY AND HELLGATE ONLY. This course is designed to teach students about nutrition and its role in improving performance for the serious student-athlete and fitness enthusiast. Students study human energy systems, the role of nutrients during exercise, body composition, current topics, and trends relative to fitness and sport. Students analyze personal diet plans, design meals in order to feel better and maximize performance. **This class does not take the place of Health Enhancement 1 or 2.

INTERNATIONAL BACCALAUREATE (IB)

Students may take International Baccalaureate courses either as part of the full IB Diploma Programme or as individual classes. Students choosing the full IB Diploma take six academic IB courses during the junior and senior year. Students choosing individual IB courses in their junior and senior year are eligible to take IB examinations to earn a completion certificate for each course. Please schedule an appointment with your counselor or the IB coordinator if you have questions.

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
IB ENGLISH											
IB THEORY OF KNOWLEDGE 11	EN	None	1 Sem (during the 2 nd semester of junior year)			X			X		
IB THEORY OF KNOWLEDGE 12	EN	IB Theory of Knowledge 11	1 Sem (during the 1 st semester the senior year)				X		X		
IB ENGLISH 11 LITERATURE HIGHER LEVEL	EN	English 2	1 Year			X			X		
IB ENGLISH 12 LITERATURE HIGHER LEVEL	EN	IB English 11	1 Year				X		X		
IB BUSINESS & MARKETING											
IB FILM STANDARD LEVEL	CTE	Digital Film 1, Digital Media, or Graphics Design 1	2 Years			X	X		X		
IB FILM HIGHER LEVEL	CTE	Digital Film 1, Digital Media, or Graphics Design 1	2 Years			X	X		X		
IB FINE ARTS											
IB VISUAL ART STANDARD LEVEL YR 1	AR	Intro to Art	1 Year			X	X		X		
IB VISUAL ART STANDARD LEVEL YR 2	AR	IB Visual Art Standard Level Yr 1	1 Year				X		X		
IB VISUAL ART HIGHER LEVEL YR 1	AR	Intro to Art	1 Year			X	X		X		
IB VISUAL ART HIGHER LEVEL YR 2	AR	IB Visual Art Higher Level Yr 1	1 Year				X		X		
IB MATHEMATICS											
IB MATHEMATICAL STUDIES STANDARD LEVEL YR 1	MA	Geometry	1 Year			X	X		X		
IB MATHEMATICAL STUDIES STANDARD LEVEL YR 2	MA	IB Mathematical Studies Standard Level Yr 1	1 Year				X		X		

INTERNATIONAL BACCALAUREATE (IB)

Students may take International Baccalaureate courses either as part of the full IB Diploma Programme or as individual classes. Students choosing the full IB Diploma take six academic IB courses during the junior and senior year. Students choosing individual IB courses in their junior and senior year are eligible to take IB examinations to earn a completion certificate for each course. Please schedule an appointment with your counselor or the IB coordinator if you have questions.

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
IB MATH STANDARD LEVEL YR 1	MA	Algebra 2	1 Year			X	X		X		
IB MATH STANDARD LEVEL YR 2	MA	IB Math Standard Level Yr 1	1 Year				X		X		
IB SCIENCE											
IB BIOLOGY HIGHER LEVEL YR 1	SC	Biology 1	1 Year			X	X		X		
IB BIOLOGY HIGHER LEVEL YR 2	SC	IB Biology Higher Level Yr 1	1 Year				X		X		
IB CHEMISTRY STANDARD LEVEL YR 1	SC	None; Preferably students will not have had any chemistry experience	1 Year			X	X		X		
IB CHEMISTRY STANDARD LEVEL YR 2	SC	None	1 Year				X		X		
IB ENVIRONMENTAL SYSTEMS & SOCIETIES STANDARD LEVEL	SC	None	1 Year			X	X		X		
IB SOCIAL STUDIES											
IB HISTORY OF THE AMERICAS HIGHER LEVEL	SS	None	1 Year			X			X		
IB 20 TH CENTURY TOPICS	SS	IB History of the Americas	1 Year				X		X		
IB WORLD LANGUAGES											
IB FRENCH STANDARD LEVEL YR 1	WL	French 2	1 Year			X	X		X		
IB FRENCH STANDARD LEVEL YR 2	WL	IB French Standard Level Yr 1	1 Year				X		X		
IB GERMAN AB INITIO YR 1	WL	None	1 Year			X	X		X		
IB GERMAN AB INITIO YR 2	WL	IB German AB Initio Yr 1	1 Year				X		X		
IB LATIN STANDARD LEVEL YR 1	WL	Latin 2	1 Year			X	X		X		
IB LATIN STANDARD LEVEL YR 2	WL	IB Latin Standard Level Yr 1	1 Year				X		X		

INTERNATIONAL BACCALAUREATE (IB)

Students may take International Baccalaureate courses either as part of the full IB Diploma Programme or as individual classes. Students choosing the full IB Diploma take six academic IB courses during the junior and senior year. Students choosing individual IB courses in their junior and senior year are eligible to take IB examinations to earn a completion certificate for each course. Please schedule an appointment with your counselor or the IB coordinator if you have questions.

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
IB SPANISH AB INITIO YR 1	WL	None	1 Year			X	X		X		
IB SPANISH AB INITIO YR 2	WL	IB Spanish AB Initio Yr 1	1 Year				X		X		
IB SPANISH STANDARD LEVEL YR 1	WL	Spanish 2	1 Year			X	X		X		
IB SPANISH STANDARD LEVEL YR 2	WL	IB Spanish Standard Level Yr 1	1 Year				X		X		
IB SPANISH HIGHER LEVEL YR 1	WL	Spanish 3 or IB Spanish Standard Level	1 Year			X	X		X		
IB SPANISH HIGHER LEVEL YR 2	WL	Spanish 3 or IB Spanish Standard Level	1 Year				X		X		



Mitchell Reynolds, Sentinel

INTERNATIONAL BACCALAUREATE (IB)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
IB THEORY OF KNOWLEDGE 11	11	.50 per semester	EN		1 Sem (during the 2nd semester of the junior year)

AT HELLGATE ONLY.

The interdisciplinary IB Theory of Knowledge 11 course is designed to develop a coherent approach to learning that transcends and unifies the academic areas and encourages appreciation of other cultural perspectives. This course is in part intended to encourage students to reflect on the huge cultural shifts worldwide around the digital revolution and the information economy. The extent and impact of the changes vary greatly in different parts of the world but everywhere their implications for knowledge are profound. The course encourages students to share ideas with others and to listen to and learn from what others think. This course is required for students pursuing the IB Diploma.

IB THEORY OF KNOWLEDGE 12	12	.50 per semester	EN	IB Theory of Knowledge 11	1 Sem (during the 1st semester of the senior year)
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AT HELLGATE ONLY.

The interdisciplinary course is a continuation of IB Theory of Knowledge 11 designed to develop a coherent approach to learning that transcends and unifies the academic areas and encourages appreciation of other cultural perspectives. This course is in part intended to encourage students to reflect on the huge cultural shifts worldwide around the digital revolution and the information economy. The extent and impact of the changes vary greatly in different parts of the world but everywhere their implications for knowledge are profound. The course encourages students to share ideas with others and to listen to and learn from what others think. This course is required for students pursuing the IB Diploma.

IB ENGLISH 11 LITERATURE HIGHER LEVEL	11	.50 per semester	EN	English 2	1 Year
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AT HELLGATE ONLY.

Students completing IB English 11 Literature Higher Level will have a thorough knowledge of a range of texts and an understanding of other cultural perspectives. They will also have developed skills of analysis and the ability to support an argument in clearly expressed writing, sometimes at significant length. This course will enable them to succeed in a wide range of university courses, particularly in literature but also in subjects such as philosophy, law, and language.

IB ENGLISH 12 LITERATURE HIGHER LEVEL	12	.50 per semester	EN	IB English 11	1 Year
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AT HELLGATE ONLY

This course is a continuation of IB English 11. In IB English 12 Literature Higher Level, students will develop understanding of the techniques involved in literary criticism and the ability to form independent literary judgments. Formal analysis of texts and wide coverage of a variety of literature-both in the language of the subject and in translated texts from other cultural domains-are combined with a study of the way literary conventions shape responses to texts. Upon completion of this course, students will be able to sit for the IB Higher Level examinations in English.

INTERNATIONAL BACCALAUREATE (IB)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
IB FILM STANDARD LEVEL	11, 12	.50 per semester	CTE	Digital Film 1, Digital Media, or Graphic Design 1	2 Years

AT HELLGATE ONLY

This film course aims to develop in students the skills necessary to achieve creative critical independence in their knowledge, experience, and enjoyment of film. Students taking IB Film Standard Level will gain an appreciation and understanding of film as a complex art form, formulate stories and ideas in film terms, learn and use the practical and technical skills of film production, critically evaluate film productions by the student and by others, and acquire knowledge of filmmaking traditions in more than one country.

IB FILM HIGHER LEVEL	11, 12	.50 per semester	CTE	Digital Film 1, Digital Media, or Graphic Design 1	2 Years
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AT HELLGATE ONLY

In IB Film Higher Level, students develop a critical understanding of the historical, theoretical, cultural, economic, and institutional contexts of film in more than one country, and the ability to reflect upon and evaluate film production processes and completed film texts. The use of technology in class will be extensive. Students demonstrate the variety of ways film creates meaning, the effective use of film language, and originality and creativity in developing an idea through the stages of filmmaking.

IB VISUAL ART STANDARD LEVEL YR 1	11, 12	.50 per semester	AR	Introduction to Art	1 Year
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AT HELLGATE ONLY

Students in IB Visual Arts Standard Level Yr 1 investigate past, present, and emerging forms of visual arts and engage in producing, appreciating, and evaluating them. They build confidence in responding visually and creatively to personal and cultural experiences. They develop skills in, and sensitivity to, the creation of works that reflect active and individual involvement. Students take responsibility for the direction of their learning through the acquisition of effective working practices.

IB VISUAL ART STANDARD LEVEL YR 2	12	.50 per semester	AR	IB Visual Art Standard Level Yr 1	1 Year
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AT HELLGATE ONLY

IB Visual Arts Standard Level Yr 2 is a continuation of IB Visual Art Standard Level Yr 1. Students must complete both years and pass the IB exam to obtain the IB certificate.

INTERNATIONAL BACCALAUREATE (IB)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
IB VISUAL ART HIGHER LEVEL YR 1	11, 12	.50 per semester	AR	Introduction to Art	1 Year

AT HELLGATE ONLY

Students in IB Visual Arts Higher Level Yr 1 specialize in a particular genre, drawing, painting, or sculpture, and develop skills in their area of focus. This will allow students to cultivate a personal vision. 40% of the student planning, research, practice, play, and cataloging will be represented by their Sketchbook showing their learning. 60% of work will be represented in the development of artwork for a gallery space. The theme should express the deep personal desire of the student embedded in their concept of social responsibility.

IB VISUAL ART HIGHER LEVEL YR 2	12	.50 per semester	AR	IB Visual Art Higher Level Yr 1	1 Year
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AT HELLGATE ONLY

IB Visual Arts Higher Level Yr 2 is a continuation of IB Visual Art Higher Level Yr 1. Students must complete both years and pass the IB exam to obtain the IB certificate.



Jenny La, Sentinel

INTERNATIONAL BACCALAUREATE (IB)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
IB MATHEMATICAL STUDIES STANDARD LEVEL YR 1	11, 12	.50 per semester	MA	Geometry	1 Year

AT HELLGATE ONLY

This IB Mathematical Studies Standard Level Yr 1 course is for students with varied backgrounds and abilities. It is designed to build confidence and encourage an appreciation of mathematics in students who do not anticipate a need for mathematics in their future studies. Students taking this course should be already equipped with fundamental skills and rudimentary knowledge of basic processes. The following math concepts will be covered: introduction to the graphic display calculator, numbers and algebra sets, logic and probability, functions, geometry and trigonometry, statistics, introductory differential calculus, financial mathematics.

IB MATHEMATICAL STUDIES STANDARD LEVEL YR 2	12	.50 per semester	MA	IB Mathematical Studies Standard Level Yr 1	1 Year
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AT HELLGATE ONLY

This IB Mathematical Studies Standard Level Yr 2 is a continuation of IB Mathematical Studies Standard Level Yr 1. Students must complete both years and pass the IB exam to obtain the IB certificate.

IB MATH STANDARD LEVEL YR 1	11, 12	.50 per semester	MA	Algebra 2	1 Year
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AT HELLGATE ONLY

The IB Math Standard Level Yr 1 course is for students with knowledge of basic mathematical concepts who are able to apply simple mathematical techniques correctly. The course provides students with a sound mathematical background to prepare for future studies in subjects such as chemistry, economics, psychology, and business administration. Students will be introduced to important mathematical concepts through the development of mathematical techniques in a way that emphasizes subject comprehension as well as mathematical rigor. Student should, where possible, apply the acquired mathematical knowledge to solve realistic problems.

IB MATH STANDARD LEVEL YR 2	12	.50 per semester	MA	IB Math Standard Level Yr 1	1 Year
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AT HELLGATE ONLY

The IB Math Standard Level Yr 2 is a continuation of IB Math Standard Level Yr 1. Students must complete both years and pass the IB exam to obtain the IB certificate.

INTERNATIONAL BACCALAUREATE (IB)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
IB BIOLOGY HIGHER LEVEL YR 1	11, 12	.50 per semester	SC	Biology	1 Year

AT HELLGATE ONLY

IB Biology Higher Level Yr 1 covers the relationship of structure and function at all levels of complexity. Students learn about cell theory, the chemistry of living things, plant science and genetics, among many other topics to further their understanding of and learning about biology. Throughout this challenging course, students become aware of how scientists work and communicate with each other. Further, students enjoy multiple opportunities for scientific study and creative inquiry within a global context.

IB BIOLOGY HIGHER LEVEL YR 2	12	.50 per semester	SC	IB Biology Higher Level Yr 1	1 Year
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AT HELLGATE ONLY

IB Biology Higher Level Yr 2 is a continuation of IB Biology Higher Level Yr 1. Students must complete both years and pass the IB exam to obtain the IB certificate.

IB CHEMISTRY STANDARD LEVEL YR 1	11, 12	.50 per semester	SC	None; Preferably students will not have had any chemistry experience	1 Year
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AT HELLGATE ONLY

IB Chemistry Standard Level Yr 1 combines academic study with the acquisition of practical and investigational skills through the experimental approach. Students learn the chemical principles that underpin both the physical environment and biological systems through the study of quantitative chemistry, periodicity, kinetics, and other subjects. IB Chemistry Standard Level Yr 1 covers the essential principles of the subject and, through selection of option.

IB CHEMISTRY STANDARD LEVEL YR 2	12	.50 per semester	SC	None	1 Year
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AT HELLGATE ONLY

IB Chemistry Standard Level Yr 2 is a continuation of IB Chemistry Standard Level Yr 1. Students must complete both years and pass the IB exam to obtain the IB certificate.

INTERNATIONAL BACCALAUREATE (IB)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
IB ENVIRONMENTAL SYSTEMS & SOCIETIES STANDARD LEVEL	11, 12	.50 per semester	SC	None	1 Year

AT HELLGATE ONLY

IB Environmental Systems & Societies Standard Level aims to promote understanding of environmental processes at a variety of scales, from local to global. The course provides students with a body of knowledge, methodologies and skills that can be used in the analysis of environmental issues at local and global levels. Students will be able to recognize the extent to which technology plays a role in both causing and solving environmental problems. They will be able to appreciate the value of local as well as international collaboration in resolving environmental problems and appreciate that environmental issues may be controversial and may provoke a variety of responses. Students will appreciate that human society is both directly and indirectly linked to the environment at a number of levels and at a variety of scales.

IB HISTORY OF THE AMERICAS HIGHER LEVEL	11	.50 per semester	SS	None	1 Year
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AT HELLGATE ONLY

Students taking IB History of the Americas Higher Level are encouraged to comprehend the present by reflecting critically on the past. They are further expected to understand historical developments at national, regional, and international levels and learn about their own historical identify through the study of the historical experiences of different cultures. This course will follow historical developments in the America's from the mid-nineteenth through the late-twentieth centuries. Upon successful completion of this course, students may take IB 20th Century Topics in their senior year.

IB 20 th CENTURY TOPICS	12	.50 per semester	SS	History of the Americas	1 Year
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AT HELLGATE ONLY

IB 20th Century Topics focuses on global historical events of the 20th century. Topics include a study of the rise of authoritarian and single-party states, the causes, practices, and effects of war, and the Cold War. At the successful completion of this course, students are eligible to sit for the IB Higher Level History examination in May of their senior year.

IB FRENCH STANDARD LEVEL YR 1	11,12	.50 per semester	WL	French 2	1 Year
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AT HELLGATE ONLY

IB French Standard Level Yr 1 provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. This course is designed for students who possess a degree of knowledge and experience in French. Those passing this course should be able to follow university courses in other disciplines in French.

INTERNATIONAL BACCALAUREATE (IB)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
IB FRENCH STANDARD LEVEL YR 2	12	.50 per semester	WL	IB French Standard Level Yr 1	1 Year

AT HELLGATE ONLY

IB French Standard Level Yr 2 is a continuation of IB French Standard Level Yr 1. Students must complete both years and pass the IB exam to obtain the IB certificate.

IB GERMAN AB INITIO YR 1	11,12	.50 per semester	WL	None	1 Year
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AT HELLGATE ONLY

IB German AB Initio Yr 1 is an introductory course for students with no prior experience in German. It is a two-year course designed to prepare students for the International Baccalaureate examinations and covers student's Group 2 requirements for the IB diploma. Students successfully completing IB German Ab Initio Yr 1 will be eligible to take the second year and sit for examinations in May of their senior year.

IB GERMAN AB INITIO YR 2	12	.50 per semester	WL	IB German AB Initio Yr 1	1 Year
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AT HELLGATE ONLY

IB German AB Initio Yr 2 is a continuation of IB German AB Initio Yr 1. Students must complete both years and pass the IB exam to obtain the IB certificate.

IB LATIN STANDARD LEVEL YR 1	11,12	.50 per semester	WL	Latin 2	1 Year
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AT HELLGATE ONLY

IB Latin Standard Level Yr 1 is designed with classical texts in mind. As Latin is a classical language, students will be exploring literature in the form of poetry and prose written in this language. Through their study, students will find a firmer grasp of the language, its uses, and its manifestations in many languages all over the world, including English. Students will gain rich exposure to literature written in Latin.

IB LATIN STANDARD LEVEL YR 2	12	.50 per semester	WL	IB Latin Standard Level Yr 1	1 Year
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AT HELLGATE ONLY

IB Latin Standard Level Yr 2 is a continuation of IB Latin Standard Level Yr 1. Students must complete both years and pass the IB exam to obtain the IB certificate.

INTERNATIONAL BACCALAUREATE (IB)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
IB SPANISH AB INITIO YR 1	11, 12	.50 per semester	WL	None	1 Year

AT HELLGATE ONLY

This course is intended for students taking the IB Diploma Program or who are interested in IB credit in a foreign language they have not yet studied. The course is an introductory Spanish language class intended for students new to the language. The overall objective of this course is for students to achieve communicative competence in a variety of everyday situations.

IB SPANISH AB INITIO YR 2	12	.50 per semester	WL	IB Spanish AB Initio Yr 1	1 Year
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AT HELLGATE ONLY

IB Spanish AB Initio Yr 2 is a continuation of IB Spanish AB Initio Yr 1. Students must complete both years and pass the IB exam to obtain the IB certificate.

IB SPANISH STANDARD LEVEL YR 1	11, 12	.50 per semester	WL	Spanish 2	1 Year
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AT HELLGATE ONLY

IB Spanish Standard Level Yr 1 is designed for students who possess a degree of knowledge and experience in Spanish. Those passing the course should be able to follow university courses in other disciplines in Spanish. Students who successfully complete IB Spanish are eligible to take the IB Spanish Higher Level course in their senior year.

IB SPANISH STANDARD LEVEL YR 2	12	.50 per semester	WL	IB Spanish Standard Level Yr 1	1 Year
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AT HELLGATE ONLY

IB Spanish Standard Level Yr 2 is a continuation of IB Spanish Standard Level Yr 1. Students must complete both years and pass the IB exam to obtain the IB certificate.

IB SPANISH HIGHER LEVEL YR 1	11,12	.50 per semester	WL	Spanish 3 or IB Spanish	1 Year
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AT HELLGATE ONLY

IB Spanish Higher Level Yr 1 is a demanding course designed for students approaching fluency. Students will read literature written in Spanish and converse in Spanish. After successfully completing this course, students should be able to follow university courses in other disciplines taught in Spanish.

INTERNATIONAL BACCALAUREATE (IB)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
IB SPANISH HIGHER LEVEL YR 2	12	.50 per semester	WL	IB Spanish Higher Level Yr 1	2 Years

AT HELLGATE ONLY

IB Spanish Higher Level Yr 2 is a continuation of IB Spanish Higher Level Yr 1. Students must complete both years and pass the IB exam to obtain the IB certificate.



Katy Greil, Sentinel

MATHEMATICS (MA)

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Algebra 1 and Honors Algebra 1	MA	Scores on placement test or teacher recommendation	1 Year Required	X				X	X	X	X
Algebra 1 Enhancement	EL	Scores on placement test or teacher recommendation and concurrent enrollment in Algebra 1	1 Sem	X				X	X	X	X
Geometry and Honors Geometry	MA	Alg. 1, and scores on placement test or teacher recommendation	1 Year	X	X			X	X	X	X
Geometry Enhancement	EL	Scores on placement test or teacher recommendation, and concurrent enrollment in Geometry	1 Sem	X	X			X	X	X	X
Algebra 2 and Honors Algebra 2	MA	Geometry, and scores on placement test or teacher recommendation	1 Year	X	X	X	X	X	X	X	X
Algebra 2 Enhancement	EL	Scores on placement test or teacher recommendation and concurrent enrollment in Algebra 2	1 Sem	X	X	X	X	X	X	X	X
Discrete Math (MAT 115)	MA	Algebra 2	1 Sem			X	X			X	X
Functions, Statistics, & Trigonometry	MA	Algebra 2 or consent of instructor	1 Year			X	X	X	X	X	
Pre-Calculus (MAT 151)	MA	Func, Stats, & Trig. or Algebra 2		X	X	X	X	X		X	X
Honors Pre-Calculus (MAT 151)	MA	Func, Stats, & Trig. or Algebra 2	1 Year	X	X	X	X			X	X
Technical Mathematics (MAT 111)	MA	Geometry	1 Year			X	X	X	X	X	X
Adv. Placement Statistics	MA	Algebra 2	1 Year		X	X	X	X	X		X
Adv. Placement Calculus AB	MA	Pre-Calculus	1 Year			X	X	X	X	X	X
Adv. Placement Calculus BC	MA	Pre-Calculus	1 Year			X	X	X	X	X	X

MATHEMATICS (MA)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
ALGEBRA 1 AND HONORS ALGEBRA 1	9	.50 per semester	MA	Scores on math placement test or teacher recommendation	1 Year (Required)

The content of Algebra 1 is organized around families of functions, with special emphasis on linear, exponential, and quadratic functions. Students learn to represent functions verbally, as equations, tables, and graphs. They will also develop an understanding, interpret, and analyze functions in various applications. There is an emphasis on problem-solving and modeling real-world situations.

ALGEBRA 1 ENHANCEMENT	9, 10, 11	.50 per semester	EL	Scores on math placement texts or teacher recommendation, and concurrent enrollment in Algebra 1	1 Sem
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This course focuses on reinforcing skills, problem solving strategies, test taking techniques, and mathematical practices in daily lessons that students are concurrently studying in Algebra 1.

GEOMETRY AND HONORS GEOMETRY	9, 10, 11, 12	.50 per semester	MA	Algebra 1, scores on math placement test or teacher recommendation	1 Year
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The content of Geometry focuses on students developing reasoning and problem-solving skills through the study of congruence and similarity, and on the properties of lines, triangles, quadrilaterals, circles, and trigonometry. They also develop skills to explain, visualize, apply, and link data to the concepts of length, perimeter, area, circumference, and volume to solve real-world problems. Honors Geometry students will study additional topics, do math service work, career explorations, and research projects.

GEOMETRY ENHANCEMENT	9, 10, 11	.50 per semester	EL	Scores on math placement texts, or teacher recommendation and concurrent enrollment in Geometry	1 Sem
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This math study course focuses on reinforcing skills, problem solving strategies, test taking techniques, and mathematical practices in daily lessons that students are concurrently studying in Geometry.

ALGEBRA 2 AND HONORS ALGEBRA 2	10, 11, 12	.50 per semester	MA	Algebra 1, Geometry, scores on math placement test or teacher recommendation	1 Year
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The content of Algebra 2 includes polynomials, linear, quadratic, exponential, logarithmic, trigonometric, radical, and national functions. These functions are represented verbally, algebraically, numerically, visually. The emphasis is on using these functions appropriately in real-world situations, solving problems that arise, extend to include complex situations, and interpret, evaluate, and justify data. Honors Algebra 2 students study additional topics, do math service work, career explorations, and research projects.

MATHEMATICS (MA)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
ALGEBRA 2 ENHANCEMENT	9, 10, 11	.50 per semester	EL	Scores on math placement texts, or teacher recommendation and concurrent enrollment in Algebra 2	1 Sem

This math study course focuses on reinforcing skills, problem solving strategies, test taking techniques, and mathematical practices in daily lessons that students are concurrently studying in Algebra 2.



Jacquelyne Eileraas, Sentinel

MATHEMATICS (MA)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
DISCRETE MATH	11, 12	.50 per semester	MA	Algebra 2	1 Sem

AT SEELEY-SWAN AND SENTINEL ONLY. Discrete Math covers the content of the Montana University system course Math 115, "Probability and Linear Mathematics." This course studies systems of linear equations and matrix algebra. It serves as an introduction to probability with emphasis on models and probabilistic reasoning. Examples of applications of the material in many fields are included. **OPTION OF DUAL CREDIT with UM-MISSOULA COLLEGE course MATH 115**

FUNCTIONS, STATISTICS, AND TRIGONOMETRY	11, 12	.50 per semester	MA	Algebra 2 or consent of instructor	1 Year
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AT BIG SKY, HELLGATE AND SEELEY-SWAN ONLY. This is a college preparatory class for the student who intends to get a degree in a non-math related field. The course will provide the student with a broad background for dealing with college math classes other than calculus. The class will be taught from a problem-solving perspective and cover such topics as probability, trigonometry, statistics, functions, matrices and their application, linear programming and other items found on college placement tests. There is considerable emphasis on the use of technology in problem solving. Computers and graphing calculators are used. The course should be taken before Pre-Calculus. **OPTION OF DUAL CREDIT with UM-MISSOULA COLLEGE course MATH 115**

PRE-CALCULUS	10, 11, 12	.50 per semester	MA	Functions Statistics, & Trigonometry or Algebra 2	1 Year
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AT BIG SKY, SEELEY-SWAN, AND SENTINEL ONLY. Students in Pre-Calculus will further develop mathematical competencies in all object areas previous to the study of calculus. They will study real-world problems with attention paid to clear communication of results. They will further their studies of exponential, logarithmic, and trigonometric functions. Further studies of analytic geometry, polar and parametric equations will be made. In addition, students will begin a conceptual study of derivatives and integrals. Supporting arguments by proof will be taught.

OPTION OF DUAL CREDIT with UM-MISSOULA COLLEGE course MATH 151

HONORS PRE-CALCULUS	10, 11, 12	.50 per semester	MA	Functions, Statistics & Trigonometry or Algebra 2	1 Year
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AT SEELEY-SWAN AND SENTINEL ONLY. An Honors option is offered either as a separate class or as part of the regular Pre-Calculus class. In addition, the honors student must complete additional material, do math service work, do a career exploration project, and complete a research project. **OPTION OF DUAL CREDIT with UM-MISSOULA COLLEGE course MATH 151**

TECHNICAL MATHEMATICS (MAT 111)	11, 12	.50 per semester	MA	Geometry	1 Year
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This course is designed for those interested in pursuing a technical or vocational certification or career. The course includes fractions, decimals, ratios, proportions, formulas, and word problems. Topics studied are metric and American measurements systems, linear equations, algebra, practical geometry, solid figures, and basic trigonometry.

OPTION OF DUAL CREDIT TOWARDS CERTIFICATION with UM-MISSOULA COLLEGE course MATH 111

MATHEMATICS (MA)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
AP STATISTICS	11, 12	.50 per semester	MA	Algebra 2	1 Year

AT BIG SKY, HELLGATE AND SENTINEL ONLY. The topics for AP statistics are divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. Upon passing AP tests at the appropriate level, students may earn college credit in Statistics.

ADVANCED PLACEMENT CALCULUS AB	11, 12	.50 per semester	MA	Pre-Calculus	1 Year
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This is an advanced placement class in Calculus with goals and objectives specified by the College Board Calculus AB curriculum. Upon passing the AP test, students may earn college credit for Calculus.

ADVANCED PLACEMENT CALCULUS BC	11, 12	.50 per semester	MA	Pre-Calculus	1 Year
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This is an advanced placement class in Calculus with goals and objectives specified by the College Board Calculus BC curriculum. It includes more advanced topics than the Calculus AB curriculum. Upon passing the AP test, students may earn college credit for Calculus.

Logan Prichard, Sentinel



SCIENCE (SC)

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Integrated Earth, Space & Physical Science (IESPS)	SC	None	1 Year-Required	X	X	X	X	X	X	X	X
Science Lab 1	EL	Test scores and teacher recommendation	1 Year	X	X						X
Biology 1	SC	IESPS or consent of instructor	1 Year-Required	X	X	X	X	X	X	X	X
Science Lab 2	EL	Test scores and teacher recommendation	1 Year	X	X						X
Advanced Problems in Science	SC	Min GPA of 3.00 and consent of instructor	1 Year	X	X	X	X	X	X	X	X
AP Biology	SC	Chemistry 1	1 Year		X	X	X				X
Biology 2	SC	Grade of "C" or better in Biology 1, or consent of instructor	1 Year		X	X	X	X	X	X	
Biology 2: Biotechnology and Technical Writing	SC	Biology 1	1 Year			X	X	X			
Ecology	SC	Biology 1	1 Year		X	X	X	X			
Human Anatomy & Physiology	SC	Biology 1	1 Year		X	X	X	X		X	X
Natural Resources Conservation	SC	1 year of high school science	1 Year		X	X	X	X			
Wildlife Biology	SC	Grade of "C" or better in Biology 1 or AP Biology, or consent of instructor	1 Year		X	X	X		X	X	X
Geology	SC	Biology 1 and Algebra 1	1 Year		X	X	X	X	X		
Alternative Energy Systems	SC	Integrated Earth, Space & Physical Science CO-REQUISITE: Biology 1	1 Year		X	X	X	X			
Chemistry 1	SC	Biology 1 & Geometry	1 Year		X	X	X	X	X	X	X
Chemistry 2	SC	Chemistry 1 (passing grade) and Algebra 2 or greater	1 Year			X	X	X	X		X

SCIENCE (SC)

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Chemistry 3	SC	Chemistry 2	1 Year				X	X			
AP Chemistry	SC	Chemistry 1 and Algebra 2	1 Year			X	X				X
Physics 1	SC	Algebra 2 or concurrent enrollment	1 Year			X	X	X	X	X	X
Physics 2	SC	Physics 1	1 Year				X	X	X		
AP Physics B	SC	Physics 1	1 Year				X				X

Roz Terry, Sentinel



SCIENCE (SC)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
INTEGRATED EARTH, SPACE & PHYSICAL SCIENCE (IESPS)	9, 10, 11, 12	.50 per semester	SC	None	1 Year

Through the inquiry process, students demonstrate knowledge of composition, structures, processes, and interactions of Earth's systems and other objects in space. Students will also demonstrate the knowledge of properties, forms, changes, and interactions of physical and chemical systems. The following subject areas will be addressed: Astronomy, Earth's History and Forces, Meteorology, and Earth's Chemistry. This course is required.

SCIENCE LAB 1	9, 10	.50 per semester	SC	Test scores and teacher recommendation	1 Year
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This science study skills course builds Integrated Earth, Space, & Physical Science skills and strategies and is designed to complement IESPS with concurrent enrollment.

BIOLOGY 1	9, 10, 11, 12	.50 per semester	SC	None	1 Year
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Biology 1 students, through the inquiry process, demonstrate knowledge of characteristics, structures, and function of living things, the process and diversity of life, and how living organisms interact with each other and their environment. Students will also demonstrate the knowledge of properties, forms, changes, and interactions of physical and chemical systems. The following subject areas will be addressed: Cells, Heredity, Evolution, and Ecology. This course is required.

SCIENCE LAB 2	9, 10	.50 per semester	SC	Test scores and teacher recommendation	1 Year
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This science study skills course builds Biology skills and strategies and is designed to complement Biology 1 with concurrent enrollment.

ADVANCED PROBLEMS IN SCIENCE	9, 10, 11, 12	.50 per semester	SC	Min GPA of 3.00 and consent of instructor	1 Year
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This independent project course is designed for students who wish to pursue an in-depth study of a scientific topic of special interest to them. The studies consist of an intensive literature search followed by detailed scientific investigations. The topic selected for study may be in any area of science, mathematics, or computers. The successful completion of independent projects is strongly weighted by highly competitive universities in granting student entrance and in providing scholarships. Students enter reports on their projects in a series of academic science events.

SCIENCE (SC)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
AP BIOLOGY	10, 11, 12	.50 per semester	SC	Chemistry 1	1 Year

AT SENTINEL ONLY AND FULFILLS THE LIFE SCIENCE REQUIREMENT.

All major biological concepts are developed in this Advanced Placement (AP) general biology course. Taught at the introductory college level, life is investigated from the molecular level to the interaction of organisms in ecosystems. Probable explanations of current biological problems are explored. Although not a requirement, students may obtain college credit for this course by taking the national A.P. Exam in May.

BIOLOGY 2	10, 11, 12	.50 per semester	SC	Grade of "C" or better in Biology 1, or consent of instructor	1 Year
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AT BIG SKY, HELLGATE, AND SEELEY-SWAN ONLY. Biology 2 is an inquiry based course for students seeking to explore biology concepts in greater depth than is generally available in a traditional survey biology course. Students and teachers will work to foster understanding of: 1) the process of science, 2) the interdisciplinary nature of the new biology and 3) how science is closely integrated within society. This inquiry course is designed to be interactive, student centered, collaborative, cooperative, and relevant. Students will participate in authentic research experiences and learn to evaluate complex biological problems from a variety of perspectives.

BIOLOGY 2: BIOTECHNOLOGY & TECHNICAL WRITING	11, 12	.50 per semester	SC	Biology 1	1 Year
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AT BIG SKY ONLY. The biotechnology field is rapidly expanding and offers a diverse array of employment opportunities. This class will introduce students to molecular biology and technical writing through a laboratory-based approach. Topics covered will include Biotechnology Methodologies, Biology and Chemistry for Biotechnicians, Recombinant DNA Technology, Agricultural and Pharmaceutical Biotechnology, DNA and Protein Studies, and Writing for Publication. Biology 2: Biotechnology & Technical Writing will prepare students for entry-level positions as technicians at laboratory facilities located in the Northwest.

ECOLOGY	10, 11, 12	.50 per semester	SC	Biology 1	1 Year
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AT BIG SKY ONLY.

This Ecology course is designed for those students wanting a deeper understanding of how organisms (including humans) interact with their environment. Ecology seeks to explain the vital connections between living organisms and the world around them. The interdisciplinary nature of ecology makes this course an opportunity to take a more holistic approach to learning than a traditional science course. Students will participate in field studies, research projects, inquiry experiences and nature journaling as a means to investigate complex ecological problems from a variety of perspectives. Experiential and place-based learning will also be emphasized.

SCIENCE (SC)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
HUMAN ANATOMY & PHYSIOLOGY	10, 11, 12	.50 per semester	SC	Biology 1	1 Year

AT BIG SKY, SEELEY-SWAN, AND SENTINEL ONLY.

Human Anatomy & Physiology is an advanced elective course for those students wanting a deeper understanding of the structure and function of the human body. The body will be viewed as a whole using anatomical terminology necessary to describe cellular functions, biochemical processes, tissue interactions, organ systems, and the interaction of those systems as it relates to the human organism. Systems covered include integumentary, skeletal, muscular, respiratory, circulatory, digestive, excretory, reproductive, immunological, nervous, and endocrine.

NATURAL RESOURCES CONSERVATION	10, 11, 12	.50 per semester	SC	1 year of high school science	1 Year
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AT BIG SKY ONLY.

Natural Resources Conservation is a course designed to meet the needs of students interested in learning more about all of the natural resources that are of great concern to the people of Montana. The course will explore a variety of different topics, which will give students the ability to recognize and analyze the diverse natural resource concerns in our region. Topics covered in this course will be selected from the following subject areas: History of Resource Conservation, Dendrology, Wildlife, Timber, Cartography, Fire, Native American Resource Utilization, Timber Management/Products, Resource Management Tools, Career Opportunities.

WILDLIFE BIOLOGY	10, 11, 12	.50 per semester	SC	Grade of "C" or better in Biology 1 or AP Biology, or consent of instructor	1 Year
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AT HELLGATE, SEELEY-SWAN, AND SENTINEL ONLY.

Wildlife Biology covers the current and historical management and conservation of wildlife. Life history, the role of habitat and management tools and techniques are underlying themes. Current issues and social implications of management decisions are included.

GEOLOGY	10, 11, 12	.50 per semester	SC	Biology 1 and Algebra 1	1 Year
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AT BIG SKY AND HELLGATE ONLY.

The study of geology examines the composition of the Earth and seeks to understand the many processes that operate beneath and upon the Earth's surface. Understanding these processes allows for the chronological arrangement of the many physical and biological changes that have occurred in the geologic past. This course employs many hands-on and local field-based experiences.

ALTERNATIVE ENERGY SYSTEMS	10, 11, 12	.50 per semester	SC	Integrated Earth, Space, & Physical Science COREQUISITE: Biology 1	1 Year
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AT BIG SKY ONLY.

The goal of this course is to increase student and community awareness of energy issues, implement an alternative energy plan and encourage students to pursue careers in the alternative energy and energy-efficient sector. Students will analyze the current energy paradigm, learn to make decisions that align with the concept of sustainable energy use and production, design and conduct energy-related research and become knowledgeable about the professions in the energy sector.

SCIENCE (SC)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
CHEMISTRY 1	10, 11, 12	.50 per semester	SC	Biology 1 and Geometry	1 Year

Chemistry 1 is the study of the relationship between properties of matter and its structure. Chemistry 1 requires students to move among three domains of thought: macroscopic domain of observable phenomena, the submicroscopic domain of molecules, atoms, and subatomic particles, and the symbolic and mathematical domain of chemical formulas, equations, and symbols. Chemistry 1, first and foremost, is an inquiry-based science course.

CHEMISTRY 2	11, 12	.50 per semester	SC	Chemistry 1 (passing grade) and Algebra 2 or greater	1 Year
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AT BIG SKY, HELLGATE AND SENTINEL ONLY.

Chemistry 2 expands on the concepts introduced in Chemistry 1. Chemistry 2, as an inquiry-based science, stresses the application of experiments, learning strategies, and problem solving skills. The experiments in Chemistry 2 include higher level lab skills and utilization of math skills. Successful completion of Chemistry 2 is recommended for students who intend to pursue science-related careers in college.

CHEMISTRY 3	12	.50 per semester	SC	Chemistry 2 (passing grade) and Algebra 2 or greater	1 Year
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AT BIG SKY ONLY.

Chemistry 3 expands on the concepts covered in Chemistry 2. Chemistry 3, as an inquiry-based science, stresses the application of experiments, learning strategies, and problem solving skills. The experiments in Chemistry 3 include higher level lab skills and utilization of math skills. Successful completion of Chemistry 3 is recommended for students who intend to pursue science-related careers in college.

AP CHEMISTRY	11, 12	.50 per semester	SC	Chemistry 1 and Algebra 2	1 Year
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AT SENTINEL ONLY.

Advanced Placement (AP) Chemistry is designed to be the equivalent of a general college chemistry course taken during the first year of college. Students will obtain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. AP Chemistry will contribute to the student's ability to think clearly and logically and be able to express ideas. Although not a requirement, students may obtain college credit for this course by taking the national A.P. Exam in May.

PHYSICS 1	11, 12	.50 per semester	SC	Algebra 2 or concurrent enrollment	1 Year
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Physics 1 is an attempt to understand the universe, and is therefore, a study of matter, energy, and their interactions. The interactions occur from the level of cosmic phenomena to the level of fundamental forces and particles, inclusive of all levels in between. The topics studied include the Laws of Motion, Conservation Principles of Momentum and Energy, Gravitational Effects, Behavior of Light, and Electrical Phenomena.

SCIENCE (SC)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
PHYSICS 2	12	.50 per semester	SC	Physics 1 and Algebra 2	1 Year

AT BIG SKY AND HELLGATE ONLY.

In the second year of physics, students attempt to further understand the universe through the study of matter, energy, and their interactions. The interactions occur on the level of cosmic phenomena, to that of the fundamental forces and particles, inclusive of all levels in between. In this second year of investigation of laws of motion, conservation principles of momentum and energy, gravitational effects, behavior of models to describe natural phenomena through laboratory experiences.

AP PHYSICS B	12	.50 per semester	SC	Physics 1 and Algebra 2	1 Year
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AT SENTINEL ONLY.

Advanced Placement (AP) Physics B is an algebra-based course that provides a foundation in the main principles of physics, emphasizing problem-solving and the development of a deep understanding of physics concepts. This course is equivalent to a one year introductory college physics course. Although not a requirement, students may obtain college credit for this course by taking the national A.P. Exam in May.



Kenzie Holtkamp, Sentinel

SOCIAL STUDIES (SS)

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
World Geography: Eastern Hemisphere	SS	None	1 Sem	X	X	X	X	X	X	X	X
World Geography: Western Hemisphere	SS	None	1 Sem	X	X	X	X	X	X	X	X
US Government and the Political Economy	SS	None	1 Year				X	X	X	X	X
AP US Govt. and the Political Economy	SS	US History	1 Year				X		X	X	X
Montana: People and Issues	SS	None	1 Sem	X	X	X	X	X			X
US History: Reconstruction to Present	SS	None	1 Year			X		X	X	X	X
AP US History	SS	None	1 Year			X	X		X	X	X
US History/Eng 3	SS	English 2	1 Year			X		X	X		X
Sociology and Criminology	SS	None	1 Sem		X	X	X	X	X	X	X
World Issues Seminar	SS	None	1 Sem			X	X	X	X		X
Ancient World History	SS	None	1 Year	X	X	X	X	X			X
Modern World History	SS	None	1 Year	X	X	X	X	X	X	X	X
AP World History	SS	None	1 Year	X	X	X	X				X
Psychology	SS	None	1 Sem		X	X	X	X	X	X	X

Shane Sopkowiak, Sentinel



SOCIAL STUDIES (SS)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
WORLD GEOGRAPHY: EASTERN HEMISPHERE	9, 10, 11, 12	.50 per semester	SS	None	1 Sem

Using the five themes of geography, World Geography: Eastern Hemisphere explores the world's eastern region including Asia, Africa, and the Pacific (excluding Europe). Students develop the language and tools necessary to understand our world. This course investigates the natural environments, histories, and cultures that combine to create unique locations in our world. Additionally, current events broaden our global perspective and illustrate our interconnectedness in the 21st Century.

WORLD GEOGRAPHY: WESTERN HEMISPHERE	9, 10, 11, 12	.50 per semester	SS	None	1 Sem
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Using the five themes of geography, World Geography: Western Hemisphere explores the world's western region including Europe and Russia. Students develop the language and tools necessary to understand our world. This course investigates the natural environments, histories, and cultures that combine to create unique locations in our world. Additionally, current events broaden our global perspective and illustrate our interconnectedness in the 21st Century.

US GOVERNMENT AND THE POLITICAL ECONOMY	12	.50 per semester	SS	None	1 Year
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Government and the U. S. Political Economy empower students to be effective, responsible citizens. Students examine principles central to U. S. government and economics, explore the structure of national and local governments, and investigate the dynamic world of political-economic life.

AP US GOVERNMENT AND THE POLITICAL ECONOMY	12	.50 per semester	SS	US History	1 Year
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AT HELLGATE, SEELEY-SWAN AND SENTINEL ONLY. AP United States Government and the Political Economy explores the historical origins of the American political system and the links among people, their government, and the institutions of United States Government. This rigorous course covers the process and products of national policymaking. To enable students to earn college credit in political science by passing a national exam, AP Government uses a college text, scholarly readings, and political research. Students engage in demanding activities including reading, researching, writing, note taking, group and individual projects, focused, seminar-style class discussions, and dialogue with speakers on important political issues.

SOCIAL STUDIES (SS)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
MONTANA: PEOPLE AND ISSUES	9, 10, 11, 12	.50 per semester	SS	None	1 Sem

AT BIG SKY AND SENTINEL ONLY. Montana: People and Issues surveys state history with special emphasis on Montana Native American cultures and current issues. Students develop and use a variety of skills to access, organize, analyze, apply, present, and report information about Montana. Students explore current events and issues and their connection to Montana history. Students engage in a variety of learning experiences including note taking, research, oral histories, individual and group projects, guest speakers, presentations (including multimedia), simulation exercises, debates, and performance tasks.

US HISTORY: WORLD WAR I TO PRESENT	11	.50 per semester	SS	None	1 Year
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This course surveys United States history with an emphasis on the 20th century. The focus of this course is to stress the democratic ideals that shaped our country, the responsible citizenship that sustains us, the cultural diversity that enriches us, the global perspective that we need in an ever-changing world, and the economic connections that impact our lives. Students develop and use a variety of skills including accessing, organizing, analyzing, applying, presenting (oral and written), and reporting information in the context of course content. Students engage in note taking, research, individual and group projects, presentations (including multimedia), simulation exercises, debates, and performance tasks.

AP UNITED STATES HISTORY	11, 12	.50 per semester	SS	Consent of instructor	1 Year
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AT HELLGATE, SEELEY-SWAN AND SENTINEL ONLY. AP United States History provides students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students learn to assess historical materials for relevance to given interpretive problems, reliability, and importance. Students develop the skills to arrive at conclusions on the basis of informed judgments and to present evidence clearly and persuasively in essay format. In addition to exposing students to the historical content listed above, the AP course trains students to analyze and interpret primary sources, including documentary material, maps, statistical tables, and pictorial and graphic evidence of historical events.

US HISTORY/ENGLISH 3	11	.50 per semester	SS	English 2	1 Year
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AT SENTINEL ONLY. This class allows students to see the interconnection between American history and American literature. It surveys U.S. history with an emphasis on the 20th Century. The class explores the democratic ideas that shaped us, the responsible citizenship that sustains us, the cultural diversity that enriches us, and the global perspectives needed in an ever-changing world. Economic issues and current affairs are woven into the class. Students will use develop a variety of skills including researching, accessing, organizing, analyzing, and presenting information orally and in written form. Students will take notes, complete projects, take part in simulations, and engage in debate and discussions.

SOCIAL STUDIES (SS)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
SOCIOLOGY AND CRIMINOLOGY	10, 11, 12	.50 per semester	SS	None	1 Sem

In Sociology and Criminology, students study human social behavior from a group perspective, including recurring patterns of attitudes and actions and how these patterns vary across time, among cultures, and in social groups. This emphasis on sociology provides students the background needed to grasp the concepts of criminology: crime, criminals, courts, and corrections. Criminology explores alternative behaviors and lifestyles that evolve out of the mainstream to contradict the norm. Guest speakers and field trips add vitality to the course. Students also participate in role playing and simulations. They create multimedia projects, read, take notes, and do research.

WORLD ISSUES	11, 12	.50 per semester	SS	None	1 Sem
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AT BIG SKY, HELLGATE, AND SENTINEL ONLY. Through exploration of current issues, students will increase their understanding of contemporary affairs. In an increasingly global and complex world it becomes imperative that citizens are informed about the causes and consequences of world events. The course stresses the responsibility of students to fellow humans and the environment in our interdependent world. The teaching methods include journal writing, papers, oral presentations, research, group activities, book critiques, and multimedia projects.

ANCIENT WORLD HISTORY	9, 10, 11, 12	.50 per semester	SS	None	1 Year
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AT BIG SKY AND SENTINEL ONLY. Ancient World History traces the development of humans from the earliest times through the 18th century. This course emphasizes the role that geography, religion and culture play in the shaping of eastern, western, and African civilizations. It includes exploration of political, economic, and social systems in history. Students will identify and understand major events, ideas, and characteristics of civilizations. They will investigate current issues to discover the relevance of history to the present. Students will participate in a variety of learning experiences including note taking, group projects, research, multi-media presentations, simulation exercises, and role playing. Classes will integrate literature and the fine arts with historical studies.

MODERN WORLD HISTORY	9, 10, 11, 12	.50 per semester	SS	None	1 Year
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Modern World History examines major turning points in the shaping of the modern world, from the late eighteenth century to the present. The course will emphasize the growing interdependence of people and cultures throughout the world. Students investigate the roles that geography, religion, culture, and politics play in the shaping of modern civilization. Students explore political, economic, and social systems of the last two centuries. They investigate current issues in order to integrate events of the past to contemporary affairs. Students participate in a variety of learning experiences including note taking, group projects, research, multi-media presentations, simulation exercises, and role playing. Classes integrate literature and the fine arts with the study of history.

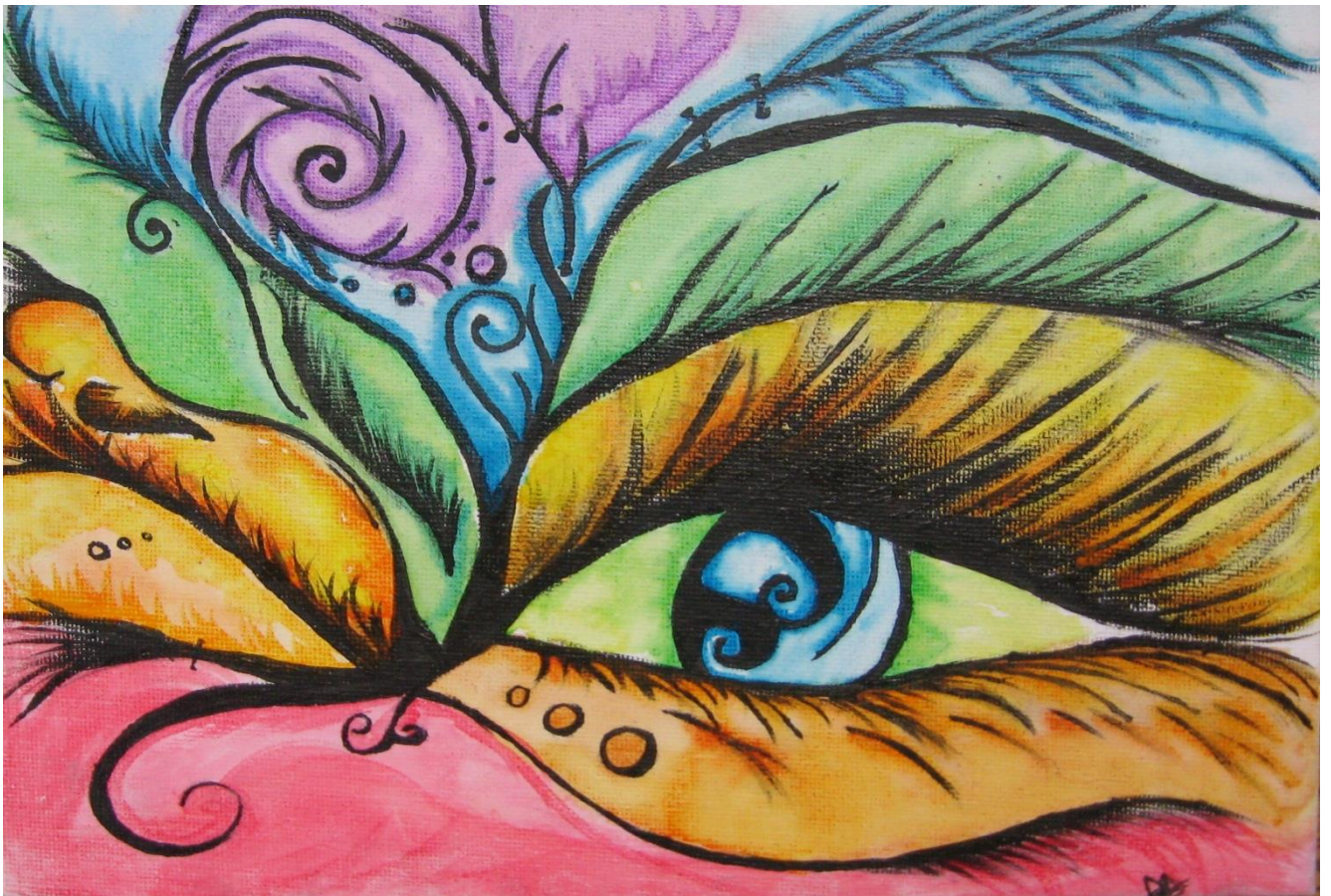
SOCIAL STUDIES (SS)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
AP WORLD HISTORY	9, 10, 11,12	.50 per semester	SS	None	1 Year

AT SENTINEL ONLY. This Advanced Placement (AP) World History course provides students with rigorous investigation into the historical past from 8000 B.C.E. to the present with a focus on historical thinking skills, five key themes in World History, and 19 key concepts. Although not a requirement, students may obtain college credit for this course by taking the national A.P. Exam in May.

PSYCHOLOGY	10, 11, 12	.50 per semester	SS	None	1 Sem
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Psychology begins the student's exploration into the science of human behavior. Designed to help students explore who they are and what motivates them and others, this class investigates how people develop thinking patterns and why some act abnormally. Varied instructional strategies include uses of video-related materials, experiments, case studies, critical thinking skill development, multimedia projects, and collaborative teaching methods. The course provides a rich experience for students of all abilities. Students gain a greater appreciation of their own abilities, see how these abilities differ from those of others, and learn the fascination of complex humanity.



Dominique Daricek, Sentinel

SPECIALIZED PROGRAMS (SP)

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Advanced Exploring Exceptionalities	EL	Exploring Exceptionalities	1 Sem			X	X				X
English as a Second Language (ESL) (Immersion)	EL	Counselor or instructor recommendation	1 Year	X	X	X	X		X		
ESL English Beginning & Intermediate	EL	Counselor or instructor recommendation	1 Year	X	X	X	X		X		
ESL English Advanced	EL	Counselor or instructor recommendation	1 Year	X	X	X	X		X		
Exploring Exceptionalities	EL	Introduction to Exceptionalities	1 Sem		X	X	X	X			X
Independent Reading	EL	Not repeatable	1 Sem	X	X	X	X				X
Introduction to Exceptionalities	EL	Consent of instructor	1 Sem		X	X	X	X		X	X
Native American Studies	EL	None	1 Sem	X	X	X	X	X	X		X
Reading	EL	Test scores and/or counselor referral	1 Year	X	X	X	X	X	X	X	X
Reading-English 1, T1	EN	Test scores, counselor/teacher referral	1 Year	X				X	X	X	
Reading-English 1	EN	Test scores, counselor/teacher referral	1 Year	X	X						X
Reading-English 2, T1	EN	Test scores, counselor/teacher referral	1 Year			X		X	X	X	X
Reading-English 4, T1	EN	Title I: Test Scores, counselor/teacher recommendation	1 Year				X	X	X		
Reading/Study Skills, TI	EL	Title I: Test Scores, counselor/teacher recommendation	1 Sem	X	X	X	X		X	X	
Reading TI	EL	Title I: Test Scores, counselor/teacher recommendation	1 Sem	X	X	X	X	X	X	X	
Study Skills	EL	Counselor referral at Hellgate and Sentinel	1 Sem	X	X	X	X		X	X	



Kate Hopkins, Sentinel

SPECIALIZED PROGRAMS (SP)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
ADVANCED EXPLORING EXCEPTIONALITIES	11, 12	.50 per semester	MA	Exploring Exceptionalities	1 Semester

This course is the third in a sequence designed to give the student advanced practical experience in working with students with disabilities in classroom activities. Students will assist in the implementation of the individual pupil education plans on a daily basis. Participation in this class will offer students the opportunity to further explore special education as a future career choice.

ENGLISH AS A SECOND LANGUAGE (ESL) (IMMERSION)	9, 10, 11, 12	.50 per semester	EL	Counselor or instructor recommendation	1 Year
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AT HELLGATE ONLY. Students are enrolled in the course on the basis of counselor or teacher recommendation or on the basis of scores from the English Language Proficiency Test. English as a Second Language is designed to instruct non-native English speakers in English language skills. Emphasis is on listening, speaking, reading, and writing skills. Language concepts, vocabulary, language structures, study skills, and American culture are taught.

ESL ENGLISH BEGINNING & INTERMEDIATE	9, 10, 11, 12	.50 per semester	EL	Counselor or teacher recommendation	1 Year
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AT HELLGATE ONLY. Students are enrolled in the course on the basis of counselor or teacher recommendation or on the basis of scores from the English Language Proficiency Test. The focus of this course is on developing reading and writing skill in English for non-native English speakers. Students are exposed to short stories, novels, poetry and essays. Students also learn how to write paragraphs and research and write reports.

ESL ENGLISH ADVANCED	9, 10, 11, 12	.50 per semester	EL	Counselor or teacher recommendation	1 Year
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AT HELLGATE ONLY. Students are enrolled in the course on the basis of counselor or teacher recommendation or on the basis of scores from the English Language Proficiency Test. Students will be exposed to short stories, plays, poetry, and novels, view films, listen to guest speakers, write critical reviews, collaborate in small groups, participate in a research project and give presentations.

EXPLORING EXCEPTIONALITIES	10, 11, 12	.50 per semester	EL	Introduction to Exceptionalities	1 Sem
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AT BIG SKY AND SENTINEL ONLY. This course is designed to give the student practical experience in working with students with disabilities in classroom activities. Students will assist in the implementation of the individual pupil education plans on a daily basis. Participation in this class will offer students the opportunity to explore special education as a future career choice.

SPECIALIZED PROGRAMS (SP)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
INDEPENDENT READING	9, 10, 11, 12	.50 per semester	EL	None	1 Sem

AT SENTINEL ONLY. If you like to read, this is your opportunity to read the books you want and get credit. Students will be assigned to study hall, but will meet with the librarians to plan a reading program and to take Reading Counts tests. The course will have no homework per se, but students will be expected to read the equivalent of study hall time— approximately 245 minutes each week.

INTRODUCTION TO EXCEPTIONALITIES	10, 11, 12	.50 per semester	EL	None	1 Sem
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AT BIG SKY, SEELEY-SWAN, AND SENTINEL ONLY.

Students will receive instruction in techniques of working with and learning about the student with disabilities. Students enrolling in this program will be given the opportunity to work with students with disabilities attending Missoula County High Schools in their daily classroom settings.

NATIVE AMERICAN STUDIES	9, 10, 11, 12	.50 per semester	EL	None	1 Sem
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This course is open to any student who wishes to survey and explore the rich heritage of American Indian Culture. Students will engage in a variety of enriching experiences including but not limited to urban identity, elders, and guest speakers, research, family genealogy, storytelling, preservation of cultural art, traditional dancing, drumming and singing, and individual and group projects. This is a great hands-on opportunity to learn and experience American Indian culture and tradition from the past, present and future.

LITERACY 1	9, 10, 11, 12	.50 per semester	EL	Standardized test scores, counselor/teacher recommendation	1 Semester
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Literacy 1 is designed to strengthen students' reading and writing skills and, therefore, enable them to experience increased benefit from their high school course work. It is anchored in research based methods, continuous feedback, and multiple approaches to acquiring and improving student skills. This class is appropriate for student enrollment based on teacher recommendations and/or assessments that demonstrate a need for increased proficiency.

LITERACY 2	9, 10, 11, 12	.50 per semester	EL	Standardized test scores, counselor/teacher recommendation	1 Semester
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Literacy 2 is designed to as a continuation of Literacy 1 to strengthen students' reading and writing skills and, therefore, enable them to experience increased benefit from their high school course work. It is anchored in research based methods, continuous feedback, and multiple approaches to acquiring and improving student skills. This class is appropriate for student enrollment based on teacher recommendations and/or assessments that demonstrate a need for increased proficiency.

SPECIALIZED PROGRAMS (SP)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
READING – ENGLISH 1, T1	9	.50 per semester	EN	Test scores, counselor/teacher recommendation	1 Year

AT BIG SKY, HELLGATE, AND SEELEY-SWAN ONLY. **Students must qualify for this course with prior enrollment in a specialized support program. Standardized test scores, grade point average, and/or referrals are also utilized.** This class is a highly structured program (Read 180) where students participate in large group instruction at the beginning and end of each class, small group instruction, modeled and independent reading, and computer assisted instruction. All activities are aligned to State standards.

READING – ENGLISH 1	9, 10	.50 per semester	EN	Test scores, counselor/teacher recommendation	1 Year
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AT SENTINEL ONLY. **Students must qualify for this course with prior enrollment in a specialized support program. Standardized test scores, grade point average, and/or referrals are also utilized.** This class is a highly structured program (Read 180) where students participate in large group instruction at the beginning and end of each class, small group instruction, modeled and independent reading, and computer assisted instruction. All activities are aligned to State standards.

READING – ENGLISH 2, T1	10	.50 per semester	EN	Test scores, counselor/teacher recommendation	1 Year
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AT BIG SKY, HELLGATE, AND SEELEY-SWAN ONLY. **Students must qualify for this course with prior enrollment in a specialized support program. Standardized test scores, grade point average, and/or referrals are also utilized.** This class is a highly structured program (Read 180) where students participate in large group instruction at the beginning and end of each class, small group instruction, modeled and independent reading, and computer assisted instruction. All activities are aligned to State standards.

READING/ENGLISH 4, T1	12	.50 per semester	EN	Test scores, counselor/teacher recommendation	1 Year
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AT BIG SKY AND HELLGATE ONLY. **Students must qualify for this course with prior enrollment in a specialized support program, standardized test scores, and/or referrals are also utilized.** This class focuses on the required Senior Project and postsecondary exploration/opportunities, while meeting the standards of the Communication Arts curriculum. Class size is limited to 10 students. All activities are aligned to State standards.

READING/STUDY SKILLS, TI	9, 10, 11, 12	.50 per semester	EL	Test scores, counselor/teacher recommendation	1 Sem
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AT HELLGATE AND SEELEY-SWAN ONLY. **Students must qualify for this course with standardized test scores as the primary consideration, although grade point average, prior enrollment in a specialized support program, and/or referrals are also utilized.** This course teaches basic study and organizational skills, including note & test taking, planning, organization, and goal setting. It is designed to give students knowledge of their own learning styles and strengths as well as tools to assist them in other classes. All activities are aligned to State standards.

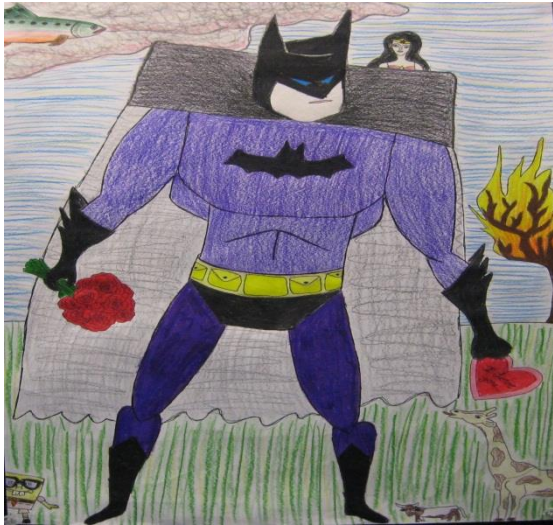
READING TI	9, 10, 11, 12	.50 per semester	EL	Test scores, counselor or teacher recommendation	1 or 2 Sem
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AT BIG SKY, SEELEY SWAN AND HELLGATE ONLY. **Students must qualify for this course with standardized test scores as the primary consideration, although grade point average, prior enrollment in a specialized support program, and/or referrals are also utilized.** This is an individualized class of limited enrollment that considers the needs and interests of each student. Both individual and small group activities give students opportunities to improve their reading. Students will

work on their reading habits, comprehension skills, study skills, vocabulary, fluency, and reading rate. Students may take the class for one year or more; they may continue in the program as long as they qualify. All activities are aligned to State standards.

STUDY SKILLS	9, 10, 11, 12	.50 per semester	EL	Counselor referral at Hellgate and Sentinel	1 Sem
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AT BIG SKY, SEELEY SWAN, AND GRADE 9 ONLY AT HELLGATE. This course teaches basic study and organizational skills including note-taking, using textbooks, test taking, and library usage. It is designed to give students tools to assist them in other classes.



Roz Terry, Sentinel

SUPPORTIVE SERVICES (SE) BASIC

While this list is intended to serve as a guideline, student enrollment in any class is based on the recommendations of the Individual Education Plan (IEP) team according to the individual needs of the students.

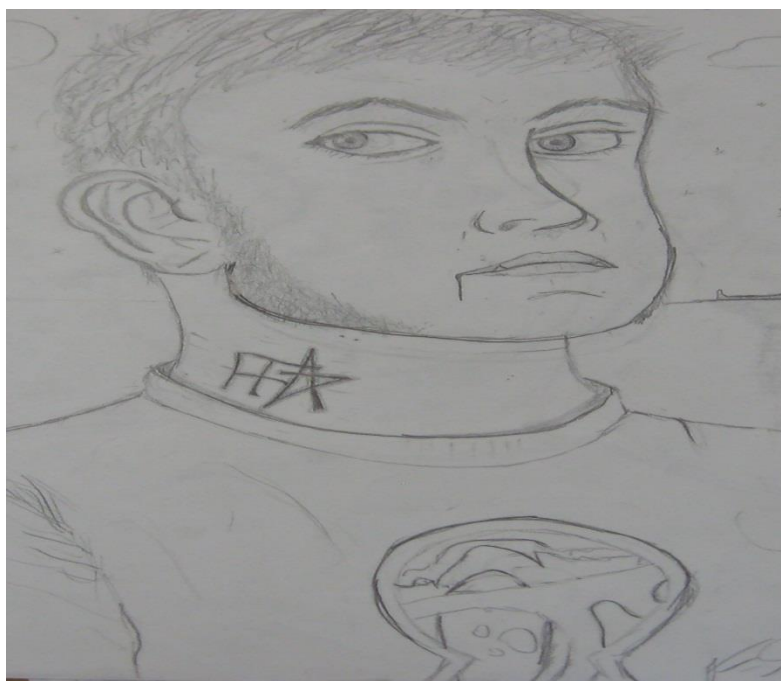
The following basic classes are offered for students with more significant needs. They are typically life-skills oriented classes. Not all classes are offered every year. Please check with your counselor for availability.

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSH	HHS	S-SHS	SHS
BASIC ADAPTIVE HEALTH ENHANCEMENT	HE	IEP	1 Year	X	X	X	X	X			
BASIC ART	FA	IEP	1 Year	X	X	X	X				X
BASIC BIOLOGY	SC	IEP	1 Year	X	X	X	X				
BASIC COMMUNITY EXPLORATIONS	EL	IEP	1 Year	X	X	X	X	X			
BASIC COMPUTERS	CTE	IEP	1 Year	X	X	X	X	X	X		X
BASIC CONSUMER MATH	MA	Basic Math 1 or 2	1 Year	X	X	X	X				X
BASIC EARTH SCIENCE	SC	IEP	1 Year	X	X	X	X				
BASIC ENGLISH	EN	IEP	1 Year	X	X	X	X	X			
BASIC ENGLISH 1	EN	IEP	1 Year	X							
BASIC ENGLISH 2	EN	IEP and Basic English 1	1 Year		X						X
BASIC ENGLISH 3	EN	IEP and Basic English 2	1 Year			X					X
BASIC ENGLISH 4	EN	IEP and Basic English 3	1 Year				X				X
BASIC GEOGRAPHY	SS	IEP	1 Year			X	X				X
BASIC HEALTH ENHANCEMENT	HE	IEP	1 Year	X	X			X			X
BASIC INDEPENDENT LIVING	CTE	IEP	1 Sem or 1 Year	X	X	X	X	X	X	X	X
BASIC INDEPENDENT LIVING 2	CTE	Basic Independent Living 1	1 Year			X	X			X	X
BASIC MARKETING 1	CTE	IEP	1 Year	X	X	X	X				
BASIC MARKETING 2	CTE	IEP and Basic Marketing 1	1 Year	X	X	X	X				
BASIC MATH 1	MA	IEP	1 Year	X	X	X	X	X			X
BASIC MATH 2	MA	IEP and Basic Math 1	1 Year	X	X	X					X
BASIC MATH 3	MA	IEP and Basic Math 2	1 Year			X	X			X	X

SUPPORTIVE SERVICES (SE) BASIC

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSH	HHS	S-SHS	SHS
BASIC MATH 4	MA	IEP and Basic Math 3	1 Year				X				
BASIC PERSONAL STRATEGIES 1	EL	IEP	1 Sem	X	X						X
BASIC PRACTICAL PSYCHOLOGY	SS	IEP	1 Year				X				X
BASIC READING	EL	IEP	1 Year	X	X	X	X		X		
BASIC READING 2	EL	IEP and Basic Reading 1	1 Year	X	X	X	X				
BASIC SCIENCE	SC	IEP	1 Year	X	X	X	X	X			X
BASIC SOCIAL STUDIES	SS	IEP	1 Year	X	X	X	X				
BASIC U.S. GOVERNMENT	SS	IEP	1 Year			X	X			X	X
BASIC U.S. HISTORY	SS	IEP	1 Year			X	X				X
BASIC VOC PREP 1	CTE	IEP	1 Year	X	X	X	X				
BASIC VOC PREP 2	CTE	IEP and Basic Voc Prep 1	1 Year		X	X	X				
BASIC VOC PREP 3	CTE	IEP and Basic Voc Prep 2	1 Year			X	X				
BASIC VOC PREP 4	CTE	IEP and Basic Voc Prep 3	1 Year				X				
BASIC WEIGHT TRAINING	HE	IEP	1 Year		X	X	X				X
BASIC WOODS	CTE	None	1 Year	X	X	X	X				X
BASIC WRITING STRATEGIES	EL	None	1 Year	X	X	X	X				X

Rylee Fontaine-Shattuck, Sentinel



SUPPORTIVE SERVICES (SE) BASIC

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
BASIC ADAPTIVE HEALTH ENHANCEMENT	9, 10, 11, 12	.50 per semester	HE	IEP	1 Year
Students with disabilities are provided adaptive opportunities to maximize their potential in individual and group sport and recreational activities. Emphasis is on fitness, team work, and sport and fitness choices. Social and behavior skills are an integral part of the curriculum.					
BASIC ART	9, 10, 11,12	.50 per semester	FA	IEP	1 Year
Students in Basic Art are encouraged to visualize and create works of art. They apply media, techniques, and processes of their own choosing. In addition, students learn to apply line, shape, form, color, space, value, and texture to make “Works of Art.”					
BASIC BIOLOGY	9, 10, 11, 12	.50 per semester	SC	IEP	1 Year
Students in Basic Biology follow an adaptive curriculum based on individual needs focusing on understanding and applying biology principles.					
BASIC COMMUNITY EXPLORATIONS	9, 10, 11, 12	.50 per semester	EL	IEP	1 Year
This course is designed to teach students to access, interact within, and utilize community resources while implementing appropriate social skills.					
BASIC COMPUTERS	9, 10, 11, 12	.50 per semester	CTE	IEP	1 Year
This course is designed to meet the needs of those students with unique needs and disabilities. A variety of text and software applications are determined by the abilities and individual needs of each student. Students will develop their skills in keyboarding, word processing, data entry, Internet, electronic calculators, and graphic illustration.					
BASIC CONSUMER MATH	9, 10, 11, 12	.50 per semester	MA	Basic Math 1 or 2	1 Year
Basic Consumer Math will cover areas of everyday math to include, but not limited to, setting up and using a checking or savings account; shopping for food, clothing, household appliances, etc.; how to purchase life insurance, car insurance, employer-paid medical insurance, and the consumer’s responsibility. Students will also learn about wages/salaries, budgeting, good spending habits, how to complete credit applications for loans, and how to use credit/debit cards wisely.					
BASIC EARTH SCIENCE	9, 10, 11, 12	.50 per semester	SC	IEP	1 Year
Students in Basic Earth Science follow an adaptive curriculum based on individual needs focusing on understanding and applying earth science principles.					

SUPPORTIVE SERVICES (SE) BASIC

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
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BASIC ENGLISH	9, 10, 11, 12	.50 per semester	EN	IEP	1 Year
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Basic English 1 focuses on life skills communication. Students with lower reading levels learn how to access information about a topic and discuss how it relates to them. Students have daily opportunities to read and write. They read fiction and nonfiction representing a variety of genres, including news articles, interviews, and photo essays. Students use graphic organizers as tools to assist in comprehension. Students are introduced to the vocabulary prior to reading. Students draw on their own knowledge to connect with the reading material.

BASIC ENGLISH 1	9	.50 per semester	EN	IEP	1 Year
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Basic English 1 focuses on life skills communication. Students with lower reading levels learn how to access information about a topic and discuss how it relates to them. Students have daily opportunities to read and write. They read fiction and nonfiction representing a variety of genres, including news articles, interviews, and photo essays. Students use graphic organizers as tools to assist in comprehension. Students are introduced to the vocabulary prior to reading. Students draw on their own knowledge to connect with the reading material.

BASIC ENGLISH 2	10	.50 per semester	EN	IEP and Basic English 1	1 Year
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Basic English 2 focuses on life skills communication. Students with lower reading levels learn how to access information about a topic and discuss how it relates to them using research based reading curriculum. Writing projects will focus on the topic of interest and how to best put that information into sentence and paragraph form. Students read fiction and nonfiction representing a variety of genres, including news articles, interviews, and photo essays. Students use graphic organizers as tools to assist in comprehension.

BASIC ENGLISH 3	11	.50 per semester	EN	IEP and Basic English 2	1 Year
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Basic English 3 continues the focus on life skills communication. Students read and write daily on the topics of interest and how to best put that information into sentence and paragraph form. Students use graphic organizers as tools to assist in comprehension.

BASIC ENGLISH 4	12	.50 per semester	EN	IEP and Basic English 3	1 Year
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Basic English 4 continues the focus on life skills communication. Students read and write daily on the topics of interest. Senior students will work on a modified senior project that may or may not include a written report. Students will also learn how to write letters and complete forms.

BASIC GEOGRAPHY	11,12	.50 per semester	SS	IEP	1 Year
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Using the five themes of geography, this course explores the world regions. Students develop the language and tools necessary to understand the world. They investigate natural environments, histories, and cultures that combine to create unique locations in the world.

SUPPORTIVE SERVICES (SE) BASIC

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
BASIC HEALTH ENHANCEMENT	9, 10	.50 per semester	HE	IEP	1 Year

Basic Health Enhancement is designed to increase physical fitness of students and teach them life-long leisure skills. Students with disabilities are provided the opportunity to maximize their potential in individual and group sport and recreational activities. Activities include stretching, aerobics, Special Olympic training, walking, adapted sports, games, dancing, and basic weight training opportunities. Emphasis is on fitness, team work, and sport and fitness choices. Social and behavior skills are an integral part of the curriculum.

BASIC INDEPENDENT LIVING	9, 10, 11, 12	.50 per semester	CTE	IEP	1 Sem or 1 Year
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This course develops skills to increase student independence in the community, including food preparation, personal care, social interactions, basic safety issues, and household skills.

BASIC INDEPENDENT LIVING 2	11, 12	.50 per semester	CTE	Basic Independent Living 1	1 Year
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This course expands on skills learned in the Basic Independent Living course. It develops additional skills that students will need to be productive in daily living situations, including but not limited to shopping, sewing, municipal transportation, renting and setting up an apartment, and basic daily hygiene.

BASIC MARKETING 1	9, 10, 11, 12	.50 per semester	CTE	IEP	1 Year
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Students follow an adaptive curriculum based on individual needs focusing on basic marketing principles.

BASIC MARKETING 2	10, 11, 12	.50 per semester	CTE	IEP and Basic Marketing 1	1 Year
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This course expands on knowledge and skills learned in Basic Marketing 1.

BASIC MATH 1	9, 10, 11, 12	.50 per semester	MA	IEP	1 Year
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Basic Math 1 focuses on functional math skills for community living: planning a budget, tracking expenses, counting money, dissecting a story problem, estimating, percents, time, linear measurement, measurement for cooking and shopping, banking skills and services, mapping skills, and public transportation skills. Hands-on lessons and real-life community experiences reinforce the concepts taught in this class.

BASIC MATH 2	9, 10, 11	.50 per semester	MA	IEP and Basic Math 1	1 Year
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Basic Math 2 expands on functional math skills for community living: planning a budget, tracking expenses, counting money, dissecting a story problem, estimating, percent, time, linear measurement, measurement for cooking and shopping, banking skills and services, mapping skills, and public transportation skills. Hands-on lessons and real-life community experiences reinforce the concepts taught in this class.

SUPPORTIVE SERVICES (SE) BASIC

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
BASIC MATH 3	11, 12	.50 per semester	MA	IEP and Basic Math 2	1 Year
<p>Basic Math 3 continues instruction on functional math skills for community living: planning a budget, tracking expenses, counting money, dissecting a story problem, estimating, percent, time, linear measurement, measurement for cooking and shopping, banking skills and services, mapping skills, and public transportation skills. Hands-on lessons and real-life community experiences reinforce the concepts taught in this class.</p>					
BASIC MATH 4	12	.50 per semester	MA	IEP and Basic Math 3	1 Year
<p>Basic Math 4 continues with functional math skills for community living: planning a budget, tracking expenses, counting money, dissecting a story problem, estimating, percent, time, linear measurement, measurement for cooking and shopping, banking skills and services, mapping skills, and public transportation skills. Hands-on lessons and real-life community experiences reinforce the concepts taught in this class.</p>					
BASIC PERSONAL STRATEGIES 1	9, 10	.50 per semester	EL	IEP	1 Sem
<p>Students learn about the Individual Education Plan (IEP) process, how to advocate for themselves, and how to communicate in a positive way. Students learn about Howard Gardner's 8 Intelligences theory and how their strengths can benefit them in the classroom. Career cluster interests assessments and career research projects will be completed to assist students in planning their high school classes in preparation for post high school. Students may be allowed to complete job shadows or internships.</p>					
BASIC PRACTICAL PSYCHOLOGY	12	.50 per semester	SS	IEP	1 Year
<p>This is a self-advocacy class for students with disabilities to bolster self-esteem, self-awareness, build quality relationships, establish proper boundaries, and use problem-solving techniques to dissolve conflict.</p>					
BASIC READING	9, 10, 11, 12	.50 per semester	EL	IEP	1 Year
<p>This course is designed to improve reading and comprehension skills of struggling readers.</p>					
BASIC READING 2	10, 11, 12	.50 per semester	EL	IEP and Basic Reading 1	1 Year
<p>Basic Reading 2 continues to improve reading and comprehension skills of struggling readers.</p>					
BASIC SCIENCE	9, 10, 11, 12	.50 per semester	SC	IEP	1 Year
<p>Each student is required to take two years of Science. Basic Science students will learn concepts of basic earth science, biology, and physical science. Students will have the opportunity to learn to become responsible citizens of the environment. The course is designed for students who may have substantial needs in adaptive behavior, reading, and written expression. Hands-on activities are emphasized.</p>					

SUPPORTIVE SERVICES (SE) BASIC

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
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BASIC SOCIAL STUDIES	9, 10, 11, 12	.50 per semester	SS	IEP	1 Year
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This course provides an adapted curriculum based on basic social studies principles.

BASIC UNITED STATES GOVERNMENT	11,12	.50 per semester	SS	IEP	1 Year
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Government empowers students to be effective, responsible citizens. Students examine principles to central U.S. government and explore the structure of national and local government.

BASIC UNITED STATES HISTORY	11,12	.50 per semester	SS	IEP	1 Year
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Starting with Reconstruction to World War II, students explore the people, places, and events that shaped us today. Students study current events and issues and their connection to U.S. history. In addition, students develop and use a variety of skills including accessing, organizing, analyzing, and presenting in the context of United States history.

BASIC VOC PREP 1	9, 10, 11, 12	.50 per semester	CTE	IEP	1 Year
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Students in this course develop vocational awareness and explore a variety of career options.

BASIC VOC PREP 2	10, 11, 12	.50 per semester	CTE	IEP and Basic Voc Prep 1	1 Year
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This course expands on skills and strategies learned in Basic Voc Prep 1.

BASIC VOC PREP 3	11, 12	.50 per semester	CTE	IEP and Basic Voc Prep 2	1 Year
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Basic Voc Prep 3 continues to develop students' vocational skills, including decision-making skills.

BASIC VOC PREP 4	12	.50 per semester	CTE	IEP and Basic Voc Prep 3	1 Year
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Basic Voc Prep 4 continues to advance students' vocational skills, including self-advocacy.

BASIC WEIGHT TRAINING	10, 11,12	.50 per semester	HE	IEP	1 Year
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Basic Weight Training is designed to present students with a healthy lifestyle choice for wellness that they can utilize throughout their lives.

BASIC WOODS	9,10, 11,12	.50 per semester	HE	None	1 Year
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Students in Basic Woods will learn safety of hand and power tools, how to read and follow printed project instructions, measurement, and how to build a variety of finished projects for sale to the public. They will study proper care and storage of tools and how to operate in a shop environment working with other students to complete a task.

SUPPORTIVE SERVICES (SE) BASIC

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
BASIC WEIGHT TRAINING	10, 11,12	.50 per semester	HE	IEP	1 Year

Basic Weight Training is designed to present students with a healthy lifestyle choice for wellness that they can utilize throughout their lives.

BASIC WRITING STRATEGIES	9,10, 11,12	.50 per semester	HE	None	1 Year
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Students in Basic Writing Strategies will learn correct formatting using a writing rubric to improve writing skills for creative, fictional, factual, and research-based papers. Students will learn correct organizational skills to increase writing fluency.



Meghan Birkett, Sentinel

SUPPORTIVE SERVICES (SE) GENERAL

While this list is intended to serve as a guideline, student enrollment in any class is based on the recommendations of the Individual Education Plan (IEP) team according to the individual needs of the students.

The following classes are general replacement classes for students who generally take the majority of their classes in regular education. They typically take one to three classes in special education. Courses with titles ending in “A” are part of the Sentinel Structured Learning Program. Not all classes are offered every year. Please check with your counselor for availability.

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSH	HHS	S-SHS	SHS
GENERAL ALGEBRA CONCEPTS & SKILLS	MA	IEP	1 Year	X	X	X	X				
GENERAL ALGEBRA CONCEPTS & SKILLS A	MA	IEP	1 Year	X	X	X	X				X
GENERAL ALGEBRA READINESS A	MA	IEP	1 Year	X	X	X	X				X
GENERAL ART	FA	IEP	1 Year	X	X	X	X				X
GENERAL ART A	FA	IEP	1 Year	X	X	X	X				X
GENERAL BIOLOGY	SC	IEP and Consent of Instructor	1 Year		X	X				X	X
GENERAL BIOLOGY A	SC	IEP and Consent of Instructor	1 Year		X	X					X
GENERAL CAREER PREPARATIONS	EL	IEP	1 Year			X	X				X
GENERAL COMPUTER BUSINESS	CTE	IEP	1 Sem or 1 Year	X	X	X	X				X
GENERAL COMPUTER BUSINESS A	CTE	IEP	1 Sem or 1 Year	X	X	X	X				X
GENERAL CONFLICT RESOLUTION A	EL	IEP	1 Year	X	X						X
GENERAL EARTH SCIENCE	SC	IEP	1 Year	X	X			X	X	X	X
GENERAL ENGLISH 1	EN	IEP	1 Year	X				X	X	X	X
GENERAL ENGLISH 1 A	EN	IEP	1 Year	X							X
GENERAL ENGLISH 2	EN	IEP and General English 1	1 Year		X			X	X	X	X
GENERAL ENGLISH 2 A	EN	IEP and General English 1	1 Year		X						X

SUPPORTIVE SERVICES (SE) GENERAL

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSH	HHS	S-SHS	SHS
GENERAL ENGLISH 3	EN	IEP and General English 2	1 Year			X		X	X		
GENERAL ENGLISH 3 A	EN	IEP and General English 2A	1 Year			X					
GENERAL ENGLISH 3/4	EN	IEP and General English 2/3	1 Year			X	X			X	X
GENERAL ENGLISH 3/4 A	EN	IEP and General English 2/3	1 Year			X	X				X
GENERAL ENGLISH 4	EN	IEP and General English 3	1 Year				X	X	X		
GENERAL ENGLISH 4 A	EN	IEP and General English 3	1 Year				X				
GENERAL ENGLISH INDEPENDENT STUDY	EN	IEP and Consent of Instructor	1 Sem or 1 Year	X	X	X	X	X			
GENERAL GEOGRAPHY A	SS	IEP	1 Year	X	X	X	X				X
GENERAL HEALTH ENHANCEMENT	HE	IEP	1 Year	X	X					X	X
GENERAL HEALTH ENHANCEMENT A	HE	IEP	1 Year	X	X						X
GENERAL MARKETING	CTE	IEP	1 Sem or 1 Year	X	X	X	X				X
GENERAL MARKETING A	CTE	IEP	1 Sem or 1 Year	X	X	X	X				X
GENERAL MATH 1	MA	IEP	1 Year	X				X	X	X	X
GENERAL MATH 1 A	MA	IEP	1 Year	X							X
GENERAL MATH 2	MA	IEP and General Math 1	1 Year		X			X	X	X	X
GENERAL MATH 2 A	MA	IEP and General Math 1	1 Year		X						X
GENERAL MATH INDEPENDENT STUDY	MA	IEP and Consent of Instructor	1 Year	X	X	X	X	X			
GENERAL MONTANA HISTORY	SS	IEP	1 Year	X	X	X	X				X
GENERAL MONTANA HISTORY A	SS	IEP	1 Year	X	X	X	X				X
GENERAL PERSONAL STRATEGIES	EL	IEP	1 Year	X	X						X

SUPPORTIVE SERVICES (SE) GENERAL

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSH	HHS	S-SHS	SHS
GENERAL PSYCHOLOGY A	SS	IEP	1 Year	X	X	X	X				X
GENERAL READING 1	EL	IEP	1 Year	X	X	X	X	X			X
GENERAL READING A	EL	IEP	1 Year	X	X	X	X				X
GENERAL READING 2	EL	IEP and General Reading 1	1 Year	X	X	X	X	X			
GENERAL SCIENCE	SC	IEP	1 Year	X	X	X	X		X	X	X
GENERAL SCIENCE A	SC	IEP	1 Year	X	X	X	X				X
GENERAL STUDY SKILLS A	EL	IEP	1 Year	X	X	X	X				X
GENERAL U.S. GOVERNMENT	SS	IEP	1 Year				X	X	X	X	X
GENERAL U.S. GOVERNMENT A	SS	IEP	1 Year				X				X
GENERAL U.S. HISTORY	SS	IEP	1 Year			X		X	X	X	X
GENERAL U.S. HISTORY A	SS	IEP	1 Year			X					X



Sam Heffernan, Sentinel

SUPPORTIVE SERVICES (SE) GENERAL

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
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GENERAL ALGEBRA CONCEPTS & SKILLS	9, 10, 11, 12	.50 per semester	MA	IEP	1 Year
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The content of this course is essentially the same as Algebra 1 but the pacing may be slightly slower. Some of the problem-solving emphasis is replaced by an increased emphasis on skills practice.

GENERAL ALGEBRA CONCEPTS & SKILLS A	9, 10, 11, 12	.50 per semester	MA	IEP	1 Year
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The content of this course is essentially the same as Algebra 1 but the pacing may be slightly slower. Some of the problem-solving emphasis is replaced by an increased emphasis on skills practice.

GENERAL ALGEBRA READINESS A	9, 10, 11, 12	.50 per semester	MA	IEP	1 Year
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Algebra Readiness follows the MCPS Mathematics Curriculum, but allows for more individual attention, hands-on activities, and a smaller class setting.

GENERAL ART	9, 10, 11, 12	.50 per semester	FA	IEP	1 Year
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This course focuses mainly on production and perception and acquaints students with the basic principles of Art. Students research Art history and discuss the marketing and sales aspects of art.

GENERAL ART A	9, 10, 11, 12	.50 per semester	FA	IEP	1 Year
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This course focuses mainly on production and perception and acquaints students with the basic principles of Art. Students research Art history and discuss the marketing and sales aspects of art.

GENERAL BIOLOGY	10, 11	.50 per semester	SC	IEP and Consent of Instructor	1 Year
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Students demonstrate knowledge of classification, characteristics, structures, and functions of living organisms, ecological relationships of organisms to their environments (including local ecological relationships and fire ecology) and the theory of evolution. Students also demonstrate knowledge of disease agents and human body systems.

GENERAL BIOLOGY A	10, 11	.50 per semester	SC	IEP and Consent of Instructor	1 Year
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Students demonstrate knowledge of classification, characteristics, structures, and functions of living organisms, ecological relationships of organisms to their environments (including local ecological relationships and fire ecology) and the theory of evolution. Students also demonstrate knowledge of disease agents and human body systems.

GENERAL CAREER PREPARATIONS	11, 12	.50 per semester	EL	IEP	1 Year
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This class is designed to empower students with the skills, goals, and choices they need for a full life in their community. They learn skills to use in advocating for themselves, steps they will take to enter the career they choose, and ways to become responsible members of their community.

SUPPORTIVE SERVICES (SE) GENERAL

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
GENERAL COMPUTER BUSINESS	9, 10, 11, 12	.50 per semester	CTE	IEP	1 Sem or 1 Year Repeatable

Students work at their own pace engaged in a variety of projects that utilize hands-on computer applications. Students may also use this class to work on credit recovery programs.

GENERAL COMPUTER BUSINESS A	9, 10, 11, 12	.50 per semester	CTE	IEP	1 Sem or 1 Year Repeatable
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Students work at their own pace engaged in a variety of projects that utilize hands-on computer applications. Students may also use this class to work on credit recovery programs.

GENERAL CONFLICT RESOLUTION A	9, 10	.50 per semester	EL	IEP	1 Year
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Students learn the different aspects of conflict and the options to resolve them. Students will use role playing, observe conflicts in film and use personal experiences to learn to manage themselves in different situations in life.

GENERAL EARTH SCIENCE	9, 10	.50 per semester	SC	IEP	1 Year
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General Earth Science is recommended for students who require a year of preparation before they enter the regular education, freshman science class or for students who have reading and written language needs. Students demonstrate knowledge of composition, structures, processes, and interactions of Earth's systems, chemical properties of matter, and Earth's history through plate tectonics. Students demonstrate knowledge of meteorology and space science as time allows. Class content covers similar topics covered in regular education science and emphasis on note-taking, record keeping, interacting in the classroom setting, and research.

GENERAL ENGLISH 1	9	.50 per semester	EN	IEP	1 Year
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Students learn the basic rules of grammar and punctuation through novels and written work. Students will practice their writing, speaking, and listening abilities and learn how to expand their thoughts. Reading and written language skills are learned at a slower pace than the regular English 1 curriculum. Research based reading materials and written language strategies are implemented and modified to fit the needs of individual students.

GENERAL ENGLISH 1 A	9	.50 per semester	EN	IEP	1 Year
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Students learn the basic rules of grammar and punctuation through novels and written work. Students will practice their writing, speaking, and listening abilities and learn how to expand their thoughts. Reading and written language skills are learned at a slower pace than the regular English 1 curriculum. Research based reading materials and written language strategies are implemented and modified to fit the needs of individual students.

SUPPORTIVE SERVICES (SE) GENERAL

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
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GENERAL ENGLISH 2	10	.50 per semester	EN	IEP and General English 1	1 Year
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Students will complete some basic career inventories. They will also complete a research paper on Medieval History. They will compare and contrast all aspects of the middle ages with modern times. They will refine their comprehension, fluency, and vocabulary skills. Reading and written language skills are learned at a slower pace than the regular English 2 curriculum. Research based reading materials and written language strategies are implemented and modified to fit the needs of individual students.

GENERAL ENGLISH 2 A	10	.50 per semester	EN	IEP and General English 1	1 Year
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Students will complete some basic career inventories. They will also complete a research paper on Medieval History. They will compare and contrast all aspects of the middle ages with modern times. They will refine their comprehension, fluency, and vocabulary skills. Reading and written language skills are learned at a slower pace than the regular English 2 curriculum. Research based reading materials and written language strategies are implemented and modified to fit the needs of individual students.

GENERAL ENGLISH 3	11	.50 per semester	EN	IEP and General English 2	1 Year
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Reading and written language skills are learned at a slower pace than the regular English curriculum. Research based reading materials and written language strategies are modified to fit the needs of individual students. General English 3 includes a unit to prepare juniors for their Senior Project paper.

GENERAL ENGLISH 3 A	11	.50 per semester	EN	IEP and General English 2	1 Year
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Reading and written language skills are learned at a slower pace than the regular English curriculum. Research based reading materials and written language strategies are modified to fit the needs of individual students. General English 3 includes a unit to prepare juniors for their Senior Project paper.

GENERAL ENGLISH 3/4	11, 12	.50 per semester	EN	IEP and General English 2/3	1 Year
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The purpose of General English 3/4 is to develop and strengthen skills in the areas of reading, written language, literary discussion, and communication. Reading involves pre/post assessments and the opportunity to read class novels, quarterly independent choices, and selected fiction and non-fiction. In writing, students will use the 6+1 Writing Traits model with rubrics and writing structures to guide and improve written performance. Through discussion and communication, students will develop and enhance individual and group performance to set goals and meet specific outcomes.

GENERAL ENGLISH 3/4 A	11, 12	.50 per semester	EN	IEP and General English 2/3	1 Year
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Students will increase higher level thinking skills through the use of a variety of different genre material. Students refine their research and their speaking and listening skills.

SUPPORTIVE SERVICES (SE) GENERAL

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
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GENERAL ENGLISH 4	12	.50 per semester	EN	IEP and General English 3	1 Year
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General English 4 focuses on writing the paper for the Senior Project. The curriculum is modified and task-analyzed for successful completion of the Senior Project paper. After the Senior Project paper is completed, students will apply reading fundamentals to literature and utilize the six-trait writing for creative and life-skills writing assignments.

GENERAL ENGLISH 4 A	12	.50 per semester	EN	IEP and General English 3	1 Year
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General English 4 A focuses on writing the paper for the Senior Project. The curriculum is modified and task-analyzed for successful completion of the Senior Project paper. After the Senior Project paper is completed, students will apply reading fundamentals to literature and utilize the six-trait writing for creative and life-skills writing assignments.

GENERAL ENGLISH INDEPENDENT STUDY	9, 10, 11, 12	.50 per semester	EN	IEP and Consent of Instructor	1 Sem or 1 Year
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Students have the opportunity to make up General English credit in this class. The student signs an individualized contract and works independently, but with supervision, to complete curriculum and obtain English credit. Students do not get individualized instruction in this class. They must be able to work independently.

GENERAL GEOGRAPHY A	9, 10, 11, 12	.50 per semester	SS	IEP	1 Year
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Students use text, film, maps, current events, and history to investigate natural environments and cultures that combine to create our world.

GENERAL HEALTH ENHANCEMENT	9, 10	.50 per semester	HE	IEP	1 Year
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Students experience a variety of physical activities. Students also study aspects of a healthy lifestyle that include personal responsibility. Students utilize the proper techniques for weight lifting. Yoga may be offered on a weekly basis through community volunteers.

GENERAL HEALTH ENHANCEMENT A	9, 10	.50 per semester	HE	IEP	1 Year
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Students experience a variety of physical activities. Students also study aspects of a healthy lifestyle that include personal responsibility. Students utilize the proper techniques for weight lifting. Yoga may be offered on a weekly basis through community volunteers.

GENERAL MARKETING	9, 10, 11, 12	.50 per semester	CTE	IEP	1 Sem or 1 Year
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Students explore the world of work. They discuss how to get a job and how to keep a job, explore post high school options and personal finance.

SUPPORTIVE SERVICES (SE) GENERAL

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
GENERAL MARKETING A	9, 10, 11, 12	.50 per semester	CTE	IEP	1 Sem or 1 Year
Students explore the world of work. They discuss how to get a job and how to keep a job, explore post high school options and personal finance.					
GENERAL MATH 1	9	.50 per semester	MA	IEP	1 Year
This class will focus on the four basic operations, fractions, and decimals with application of skills to real-life situations. Students work on skills needed before they take an Algebra class. They work on computation skills, use a calculator, exponents, square roots, simple equations and inequalities, and graphing linear equations.					
GENERAL MATH 1 A	9	.50 per semester	MA	IEP	1 Year
This class will focus on the four basic operations, fractions, and decimals with application of skills to real-life situations. Students work on skills needed before they take an Algebra class. They work on computation skills, use a calculator, exponents, square roots, simple equations and inequalities, and graphing linear equations.					
GENERAL MATH 2	10	.50 per semester	MA	IEP and General Math 1	1 Year
Students work on families of functions, with an emphasis on linear and quadratic functions. Students will learn to represent functions verbally, as equations, tables, and graphs. They also work on problem solving and modeling real-world situations. This class is similar to Algebra Readiness in the regular education curriculum. Continuing on to Algebra 1 is based on teacher recommendation.					
GENERAL MATH 2 A	10	.50 per semester	MA	IEP and General Math 1	1 Year
Students work on families of functions, with an emphasis on linear and quadratic functions. Students will learn to represent functions verbally, as equations, tables, and graphs. They also work on problem solving and modeling real-world situations. This class is similar to Algebra Readiness in the regular education curriculum. Continuing on to Algebra 1 is based on teacher recommendation.					
GENERAL MATH INDEPENDENT STUDY	9, 10, 11, 12	.50 per semester	MA	IEP and Consent of Instructor	1 Sem or 1 Year
Students have the opportunity to make up General Math credit in this class. The student signs an individualized contract and works independently, but with supervision, to complete curriculum and obtain Math credit. Students do not get individualized instruction in this class. They must be able to work independently.					
GENERAL MONTANA HISTORY	9, 10, 11, 12	.50 per semester	SS	IEP	1 Year
Students use text, film, and current events to study the history of the state. Students study the counties, county seats, topography, and population variations across the state of Montana.					

SUPPORTIVE SERVICES (SE) GENERAL

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
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GENERAL MONTANA HISTORY A	9, 10, 11, 12	.50 per semester	SS	IEP	1 Year
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Students use text, film, and current events to study the history of the state. Students study the counties, county seats, topography, and population variations across the state of Montana.

GENERAL PERSONAL STRATEGIES	9, 10	.50 per semester	EL	IEP	1 Year
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Personal Strategies is a class that teaches and promotes self-advocacy and personal accountability for academic success. Students receive instruction in organization, reading, note-taking and test-taking methods as well as individual instruction and support in academics.

GENERAL PSYCHOLOGY A	9, 10, 11, 12	.50 per semester	SS	IEP	1 Year
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Students study human behavior through the use of text, film, experiments that they conduct and a variety of critical thinking assignments.

GENERAL READING 1	9, 10, 11, 12	.50 per semester	EL	IEP	1 Year
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This class focuses on decoding, comprehension, vocabulary and spelling strategies while improving their sight vocabulary.. Students may also take this class for English credit recovery.

GENERAL READING 1 A	9, 10, 11, 12	.50 per semester	EL	IEP	1 Year
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This class focuses on decoding, comprehension, vocabulary and spelling strategies while improving their sight vocabulary.. Students may also take this class for English credit recovery.

GENERAL READING 2	9, 10, 11, 12	.50 per semester	EL	IEP and General Reading 1	1 Year
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This class focuses on decoding, comprehension, vocabulary and spelling strategies through a research based reading curriculum. Students are placed based on assessment and recommendation of IEP team members. General Reading 2 is a step up from General Reading 1.

GENERAL SCIENCE A	9, 10, 11, 12	.50 per semester	SC	IEP	1 Year
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Students are offered Earth Science and Biology on a two year rotation schedule. In Earth Science, students will study Earth’s materials, geology, oceanography, meteorology, astronomy, natural disasters, and how humans affect the Earth. In Biology, students study the basic units of life and how all living things interact and affect each other. Students will perform simple experiments in class with living things as well as virtual dissection labs. Students will study the different ecosystems with an emphasis on the Montana waterways and fish.

SUPPORTIVE SERVICES (SE) GENERAL

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
GENERAL STUDY SKILLS A	9, 10, 11, 12	.50 per semester	EL	IEP	1 Year

Students are given a structured time to receive assistance on their assignments in other classes in order to be successful in school. Students also learn a variety of strategies so that they may improve their self-advocacy skills.

GENERAL U.S. GOVERNMENT	12	.50 per semester	SS	IEP	1 Year
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Students examine principles central to the United States government and economies, explore the structure of local and national governments and investigate political life. Students work on group projects and personal papers. During this course students will consider the ways in which our government is organized and is controlled by the people. This course is designed for students with disabilities including reading, written language, behavior, and health issues.

GENERAL U.S. GOVERNMENT A	12	.50 per semester	SS	IEP	1 Year
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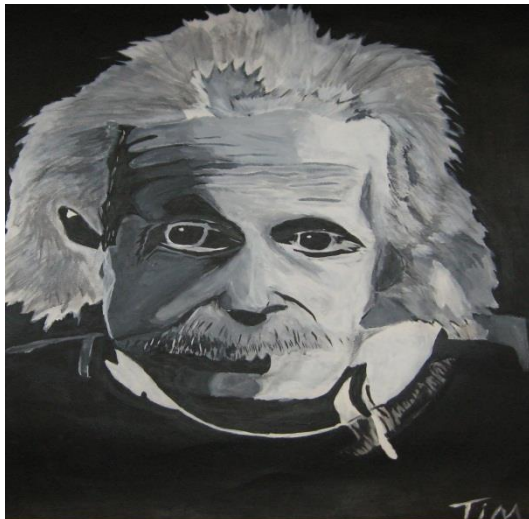
Students examine principles central to the United States government and economies, explore the structure of local and national governments and investigate political life. Students work on group projects and personal papers. During this course students will consider the ways in which our government is organized and is controlled by the people. This course is designed for students with disabilities including reading, written language, behavior, and health issues.

GENERAL UNITED STATES HISTORY	11	.50 per semester	SS	IEP	1 Year
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This course offers the student a chronological narrative of United States history. Within this framework, the student deals with several important themes that reappear throughout United States history such as the growth of national unity, the diversity of population, and the development of democratic institutions. The focus of this course is to stress democratic ideals that shaped our country, the responsible citizenship that sustains us, the cultural diversity that enriches us, the global perspective that we need, and the economic connections that impact us.

GENERAL UNITED STATES HISTORY A	11	.50 per semester	SS	IEP	1 Year
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This course offers the student a chronological narrative of United States history. Within this framework, the student deals with several important themes that reappear throughout United States history such as the growth of national unity, the diversity of population, and the development of democratic institutions. The focus of this course is to stress democratic ideals that shaped our country, the responsible citizenship that sustains us, the cultural diversity that enriches us, the global perspective that we need, and the economic connections that impact us.



Tim Kornish, Sentinel

SUPPORTIVE SERVICES (SE) RESOURCE

While this list is intended to serve as a guideline, student enrollment in any class is based on the recommendations of the Individual Education Plan (IEP) team according to the individual needs of the students.

The following classes are resource room classes. Resource room students usually take the majority of their classes in regular education. They typically take one to three classes in special education.

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSH	HHS	S-SHS	SHS
CONSUMER MATH	MA	IEP	1 Year			X	X	X			
MATH LAB 1	EL	IEP and concurrent enrollment in Algebra Readiness	1 Sem	X	X						X
MATH LAB 2	EL	IEP and concurrent enrollment in Algebra 1	1 Sem	X	X						X
PERSONAL SOCIAL	EL	IEP	1 Sem or 1 Year	X	X	X	X	X			
SCIENCE LAB 1	EL	IEP and concurrent enrollment in Int. Earth, Space, & Physical Science	1 Sem	X	X						X
SCIENCE LAB 2	EL	IEP and concurrent enrollment in Biology 1	1 Sem	X	X						X
SENIOR STUDY SKILLS	EL	IEP	1 Sem or 1 Year				X	X			
STUDY SKILLS 1	EL	IEP	1 Sem or 1 Year	X				X			
STUDY SKILLS 2	EL	IEP	1 Sem or 1 Year		X	X		X			
VOC PREP 1	CTE	IEP	1 Year	X	X	X	X	X		X	X
VOC PREP A	CTE	IEP	1 Year	X	X	X	X				X
VOC PREP 2	CTE	IEP and Voc Prep 1	1 Year	X	X	X	X	X		X	X
VOC PREP 3 COMPUTER RECYCLING	CTE	IEP and Voc Prep 2	1 Year	X	X	X	X				X
VOC PREP 3 WOODS	CTE	IEP and Voc Prep 3	1 Year	X	X	X	X				X

SUPPORTIVE SERVICES (SE) RESOURCE

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
CONSUMER MATH	11, 12	.50 per semester	MA	IEP	1 Year
<p>This class is designed for juniors and seniors to reinforce math skills from earlier math classes. Curriculum includes banking and checking, insurance, money management, shopping, and paying bills.</p>					
MATH LAB 1	9, 10	.50 per semester	EL	IEP and concurrent enrollment in Algebra Readiness	1 Sem Repeatable
<p>This class is designed for students in Algebra Readiness. Students receive a review of the topics covered in their math class as well as a preview of upcoming material. They also review basic skills and test taking strategies. Students will have some time each period to receive individual help on math homework.</p>					
MATH LAB 2	9, 10	.50 per semester	EL	IEP and concurrent enrollment in Algebra 1	1 Sem Repeatable
<p>This class is designed for students in Algebra 1. Students receive a review of the topics covered in their math class as well as a preview of upcoming material. They also review basic skills and test taking strategies. Students will have some time each period to receive individual help on math homework.</p>					
PERSONAL SOCIAL	9, 10, 11, 12	.50 per semester	EL	IEP	1 Sem or 1 Year
<p>Students will learn about self-concept, assertiveness, appropriate social interactions, grooming, conversation skills, first aid, what to do in emergency situations, cultural awareness, leisure activities, social studies units, sex education, and sexual awareness.</p>					
SCIENCE LAB 1	9, 10	.50 per semester	EL	IEP and concurrent enrollment in Integrated Earth, Space, & Physical Science (IESPS)	1 Sem Repeatable
<p>This class is designed for students in Integrated Earth, Space, & Physical Science (IESPS). Students will be introduced to new science topics as well as review of topics studied in their science class. Time will also be spent on reading strategies and test taking skills. Students will have time each period to receive individual help on science homework.</p>					
SCIENCE LAB 2	9, 10	.50 per semester	EL	IEP and concurrent enrollment in Biology 1	1 Sem Repeatable
<p>This class is designed for students in Biology 1. Students will be introduced to new science topics as well as review of topics studied in their science class. Time will also be spent on reading strategies and test taking skills. Students will have time each period to receive individual help on science homework.</p>					
SENIOR STUDY SKILLS	12	.50 per semester	EL	IEP	1 Sem or 1 Year
<p>This course is designed to assist senior students with successful completion of class work and graduation requirements through instruction in organizational skills, the research process, Senior Project paper, portfolio, and presentation skills. Seniors will be provided an opportunity for transition services.</p>					

SUPPORTIVE SERVICES (SE) RESOURCE

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
STUDY SKILLS 1	9	.50 per semester	EL	IEP	1 Sem or 1 Year
<p>This is a course for freshmen to support them through the transition to high school. Curriculum includes units on self-assessment, organization, communication skills, motivation, goal-setting, effective listening, memorization, reading, note-taking, test-taking, and career assessments. Includes supervised study time.</p>					
STUDY SKILLS 2	10, 11	.50 per semester	EL	IEP	1 Sem or 1 Year
<p>This class provides academic support for students who take the majority of their classes in regular education. Students must bring homework for assistance and review, and complete two progress reports per quarter.</p>					
VOC PREP 1	9, 10, 11, 12	.50 per semester	CTE	IEP	1 Year
<p>Students will explore school and career opportunities. Assessments will assist students to identify career interests. Communication skills in the workplace, job applications, resumes, interviewing, and appropriate dress and hygiene for the workplace will be discussed. Job shadowing may be included in the curriculum and will be implemented based on student maturity and behavior. This class allows the student to work at an on-campus work site with consistent supervision. Students will demonstrate skills in working cooperatively and collaboratively with others.</p>					
VOC PREP A	9, 10, 11, 12	.50 per semester	CTE	IEP	1 Year
<p>Students will explore school and career opportunities. Assessments will assist students to identify career interests. Communication skills in the workplace, job applications, resumes, interviewing, and appropriate dress and hygiene for the workplace will be discussed. Job shadowing may be included in the curriculum and will be implemented based on student maturity and behavior. This class allows the student to work at an on-campus work site with consistent supervision. Students will demonstrate skills in working cooperatively and collaboratively with others.</p>					
VOC PREP 2	11, 12	.50 per semester	CTE	IEP and Voc Prep 1	1 Year
<p>Voc Prep 2 allows a student to work at an off-campus job site. Students further develop characteristics and behaviors necessary for success in school, work, and everyday settings. Students continue to acquire the knowledge, attitudes, and skills to make a successful transition from school to the world of work, and adult life. Students learn more about the relationship between individual qualities, education and training, and the world of work.</p>					
VOC PREP 3 COMPUTER RECYCLING	9, 10, 11, 12	.50 per semester	CTE	IEP and Voc Prep 2	1 Year
<p>Students learn how to disassemble computers and salvage parts to be recycled. Students are able to see firsthand the operations and functions of a recycle center.</p>					
VOC PREP 3 WOODS	9, 10, 11, 12	.50 per semester	CTE	IEP and Voc Prep 2	1 Year
<p>Students learn safety of hand and power tools, how to read and follow printed project instructions, measurement, build a variety of finished projects for sale to the public, proper care and storage of tools, and how to operate in a shop environment working with other students to complete a task.</p>					

WORLD LANGUAGES (WL)

FRENCH, GERMAN AND SPANISH

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
First Year	EL	None	1 Year	X	X	X	X	X	X	X	X
Second Year	EL	Prior study of the language	1 Year	X	X	X	X	X	X	X	X
Third Year	EL	Prior study of the language	1 Year	X	X	X	X	X	X	X	X
Fourth Year	EL	Prior study of the language	1 Year	X	X	X	X	X	X		X
French 5 Independent Study	EL	Prior study of the language	1 Year	X	X	X	X	X	X		X
Spanish 5	EL	Prior study of the language	1 Year	X	X	X	X	X	X		X

LATIN

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Latin I	EL	None	1 Year	X	X	X	X		X		
Latin II	EL	Prior study of the language	1 Year	X	X	X	X		X		
Latin III/IV: Poetry	EL	Prior study of the language	1 Year	X	X	X	X		X		
Latin III/IV: Prose	EL	Prior study of the language	1 Year	X	X	X	X		X		

MANDARIN CHINESE AND ARABIC

COURSE TITLE	CREDIT TYPE	PREREQUISITE	LENGTH	9	10	11	12	BSHS	HHS	S-SHS	SHS
Mandarin Chinese 1	EL	None	1 Year	X	X	X	X	X	X		X
Mandarin Chinese 2	EL	Mandarin Chinese 1	1 Year	X	X	X	X	X	X		X
Arabic 1	EL	None	1 Year	X	X	X	X	X	X		X
Arabic 2	EL	Arabic 1	1 Year	X	X	X	X	X	X		X
Arabic 3	EL	Arabic 2	1 Year	X	X	X	X	X	X		X

WORLD LANGUAGES (WL)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
FRENCH, GERMAN, AND SPANISH, 1	9, 10, 11, 12	.50 per semester	EL	None	1 Year

All first year foreign language courses will deal with beginning language concepts, structures, vocabulary, and culture. Emphasis will be on listening, speaking, writing, and reading.

FRENCH, GERMAN, AND SPANISH, 2	9, 10, 11, 12	.50 per semester	EL	Prior study of the language	1 Year
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All second year foreign language courses review and build upon the basic skills learned at the first year level. Students improve their ability in all four language skills--listening, speaking, writing, and reading--and continue to study the culture of the target language.

FRENCH, GERMAN, AND SPANISH, 3	9, 10, 11, 12	.50 per semester	EL	Prior study of the language	1 Year
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AT BIG SKY, HELLGATE, AND SENTINEL ONLY. The third year of language introduces literature and advanced grammatical topics of the languages. The course is designed to use written and oral expression in the language on a more advanced level.

FRENCH, GERMAN, AND SPANISH, 4	9, 10, 11, 12	.50 per semester	EL	Prior study of the language	1 Year
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AT BIG SKY, HELLGATE, AND SENTINEL ONLY. The fourth year of language is a continuation of concentrated effort to refine the student's abilities in the language. Self-discipline is necessary to successfully complete a larger amount of independent work involved at this level.

FRENCH 5, INDEPENDENT STUDY	9, 10, 11, 12	.50 per semester	EL	Prior study of the language	1 Year
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AT BIG SKY, HELLGATE, SENTINEL ONLY. Continuing language study offered through independent study.

SPANISH 5	9, 10, 11, 12	.50 per semester	EL	Prior study of the language	1 Year
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CLASS OFFERED AT BIG SKY ONLY. COURSE IS INDEPENDENT STUDY AT HELLGATE AND SENTINEL. Continuing language study offered.

WORLD LANGUAGES (WL)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
LATIN I	9, 10, 11, 12	.50 per semester	EL	None	1 Year

AT HELLGATE ONLY. All first year foreign language courses will deal with beginning language concepts, structures, vocabulary, and culture. Emphasis will be on reading, writing, listening, and speaking.

LATIN II	9, 10, 11, 12	.50 per semester	EL	Prior study of the language	1 Year
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AT HELLGATE ONLY. All second year foreign language courses review and build upon the basic skills learned at the first year level. Students improve their ability in all four language skills—reading, writing, listening and speaking—and continue to study the culture of the target language. The course also introduces literature and advanced grammatical topics of the language.

LATIN III Or IV: POETRY	9, 10, 11, 12	.50 per semester	EL	Prior study of the language	1 Year
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AT HELLGATE ONLY. The third and fourth years of language are a continuation of study of literature and advanced grammatical topics of the language. Latin III/IV: Poetry is offered on alternate years.

LATIN III or IV: PROSE	9, 10, 11, 12	.50 per semester	EL	Prior study of the language	1 Year
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AT HELLGATE ONLY. The third and fourth years of language are a continuation of study of literature and advanced grammatical topics of the language. Latin III/IV: Prose is offered on alternate years.



Kendallynn Charging, Sentinel

WORLD LANGUAGES (WL)

COURSE TITLE	LEVEL	CREDIT	TYPE	PREREQUISITE	LENGTH
MANDARIN CHINESE 1	9, 10, 11, 12	.50 per semester	EL	None	1 Year

AT BIG SKY, HELLGATE AND SENTINEL ONLY. All first year foreign language courses will deal with beginning language concepts, structures, vocabulary, and culture. Emphasis will be on reading, writing, listening, and speaking.

MANDARIN CHINESE 2	9, 10, 11, 12	.50 per semester	EL	Mandarin Chinese 1	1 Year
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AT BIG SKY, HELLGATE AND SENTINEL ONLY. All second year foreign language courses review and build upon the basic skills learned at the first year level. Students improve their ability in all four language skills—listening, speaking, writing, and reading—and continue to study the culture of the target language.

ARABIC 1	9, 10, 11, 12	.50 per semester	EL	None	1 Year
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AT BIG SKY, HELLGATE AND SENTINEL ONLY. All first year foreign language courses will deal with beginning language concepts, structures, vocabulary, and culture. Emphasis will be on reading, writing, listening, and speaking.

ARABIC 2	9, 10, 11, 12	.50 per semester	EL	Arabic 1	1 Year
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AT BIG SKY, HELLGATE AND SENTINEL ONLY. All second year foreign language courses review and build upon the basic skills learned during the first year. Students improve their ability in all four language skills – listening, speaking, writing, and reading – and continue to study the culture of the target language.

ARABIC 3	9, 10, 11, 12	.50 per semester	EL	Arabic 2	1 Year
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AT BIG SKY, HELLGATE AND SENTINEL ONLY. All third year foreign language courses review and build upon the skills learned during the second year. Students improve their ability in all four language skills – listening, speaking, writing, and reading – and continue to study the culture of the target language.

Graduation Matters!



Kennedy Black, Sentinel

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