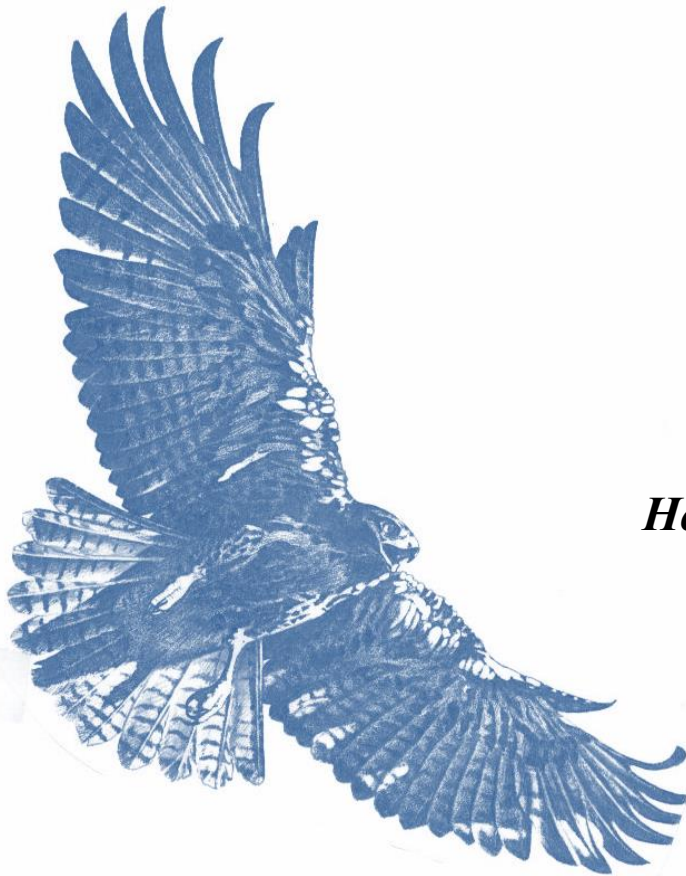


Thompson Falls High School



Home of the Blue Hawks

Registration Handbook 2025-26

REGISTRATION HANDBOOK 2021-22

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NON-DISCRIMINATION

The Board of Trustees of Thompson Falls School District #2 is committed to a policy of non-discrimination in relation to race, religion, sex, age, marital status, national origin, handicap, and other human differences. This policy will prevail in all matters concerning the staff, students, the public, educational programs and services, and individuals with whom the Board does business.

In keeping with the requirements of federal and state law, this school district strives to remove any vestige of discrimination in employment, assignment, and promotion of personnel; in educational opportunities and services offered students, in their assignment to school and classes, and in their discipline; in location and use of facilities; in educational offerings and materials.

Letter to Parents and Student

Dear Parents and TFHS Student:

After reading through the course offerings in this booklet, students should select their classes for the school year. Careful consideration should be given to the student's career and educational goals – **General Diploma graduation requirements for Thompson Falls High School don't necessarily equate to admissions requirements for post high school programs or athletics, colleges, and universities.** College Prep Diploma graduation requirements for Thompson Falls High School meet admissions requirements for most postsecondary programs. Students who would like to complete the Montana Rigorous Core Curriculum should view the requirements in this handbook and visit with the school counselor. It is suggested that parents and students take time to review course offerings and how these courses relate to future goals.

SEVEN PERIOD DAY

Students at Thompson Falls High School will register for seven classes each semester. Seniors must be registered for a minimum of five ½ credit courses *with at least three core courses each semester* and if they qualify for senior privilege (Skip period), may arrive up to one period later or leave up to one period early; or may choose to participate in Running Start/Dual Enrollment course opportunities. Students must meet the requirements for senior privilege (Skip period).

Thompson Falls High School Counseling

In partnerships with staff, parents, and community, the school counselor serves as a proactive student advocate, and provides a welcoming and safe environment as well as individual guidance in academic, career, social and personal development. The Counseling Office will support students in discovering their academic and personal potential to contribute at the highest level as productive members of society. Students and parents may make an appointment to see the counselor before school, during the school day, or after school. To contact the school counselor, please call the Main Office at 827-3561.

SCHEDULE & CHANGE POLICY

Students at Thompson Falls High School will register for seven classes. The registration process and course selection will be reviewed with all students in the spring. It is the responsibility of the student to schedule a meeting with the school counselor to review graduation requirements and track progress. Schedules will be finalized over the summer. Students are scheduled for the entire school year. Schedules are mailed out in late July or early August.

Course Change Policy

- ✓ All schedule changes must be made **within the first five school days** of the start of each semester.
- ✓ Students may not drop classes after the fifth day of classes of the semester otherwise the student will receive a WF – withdrawal fail grade on the high school transcript. This includes courses taken through the Montana Digital Academy and Flathead Valley Community College or other colleges/universities.
- ✓ All changes are dependent upon class size limits and graduation requirements.

Schedule change deadlines will be announced each term. The schedule change process is as follows:

- ✓ Students are to pick up a schedule change form in the Counseling Office.
- ✓ Have the form filled out and signed by all teachers involved in the requested change.
- ✓ Have the form signed by a parent/guardian.
- ✓ Return the form to the Counseling Office before the posted deadline.
- ✓ At that point, the change request will be reviewed and the student will be contacted by the school counselor.
- ✓ **Students are expected to attend their given schedule until notified otherwise.**

ACADEMIC OPPORTUNITIES

There are a number of programs at Thompson Falls High School that students may choose to participate in to enrich their experience at TFHS or to recover graduation credit.

MONTANA DIGITAL ACADEMY (MTDA)

Montana Digital Academy is a Montana-based online school that offers core course opportunities, as well as elective and credit-recovery courses. The courses are on a typical school-year calendar and are taught by Montana teachers. There are seat limitations, so please be aware of the MTDA registration deadlines listed on their website. Courses offered through TFHS may not be replaced with MTDA courses without approval from the counselor and administration. MTDA will be used for foreign language courses during the school year.

RUNNING START/DUAL ENROLLMENT OPPORTUNITIES

Sophomores, juniors, and seniors may take courses through various Montana colleges and receive both high school credit and college credit for those courses under the FVCC Dual Credit Program online. Thompson Falls High School grants up to one (1) high school credit for each semester class that is one (1) or more credits on the college/university credit scale depending on the college credit(s) of the course. Applicants must take a placement test and achieve a certain score in order to be admitted. Credits for students cost little more than half of the usual in-state rate for students. Classes required for graduation from Thompson Falls High School cannot be taken for dual enrollment unless prior approval is granted. The policy for Running Start courses is outlined in the Student Handbook.

TFHS has the following requirements for students wanting to enroll in MTDA Courses or Running Start/Dual Enrollment Online Coursework:

- ✓ *Sophomore or better standing for Running Start/Dual Enrollment*
- ✓ *Maintain the equivalent of a full-time course load between TFHS and MTDA or college/university*
- ✓ *Complete all paperwork for college/university meeting deadlines - dual enrollment courses*
- ✓ *Be in good standing at TFHS for attendance and graduation requirements - **regular attendance at school is necessary for successful completion of courses**; students who are chronically absent must provide a statement to be considered for enrollment.*
- ✓ *Students wishing to enroll in MTDA Courses or Running Start/Dual Enrollment courses should have current (or previous semester for fall enrollments) grades of C's or better in all courses*

For more information on the **Running Start/Dual Enrollment Program** see pages 31-32 or ask the school counselor in the Counseling Office.

GRADUATION REQUIREMENTS

Diploma Options. Students may choose between two diploma tracks available at Thompson Falls High School. Students must earn a minimum total of twenty-two (22) credits for a General Diploma and twenty-four (24) credits for a College Prep Diploma. The requirements for each are listed below:

GENERAL DIPLOMA	CREDITS	COURSES SATISFYING REQUIRED CREDITS
English	4.0	English I, English II, English III, English IV 0.5, English Elective 0.5
Social Studies	2.0	9 th /10 th – World History, 11 th – U.S. History, 12 th – Government 0.5, SS Elective 0.5
Mathematics	2.0	Two math courses: Algebra I & Geometry Recommended
Science	2.0	Physical Science and Biology
Health & Fitness	1.0	9 th – Health & Fitness, 10 th – Health & Fitness; 0.5 each year
Fine Arts	1.0	Art or Music
Career & Technical Education	1.0	Business, Industrial Arts or Medical: Computer Apps. Recommended
Electives	9.0	Foreign language and/or additional courses from areas where requirements have been fulfilled.
Total	22.0	

COLLEGE PREP DIPLOMA	CREDITS	COURSES SATISFYING REQUIRED CREDITS
English	4.0	English 9, English 10, English 11, English 12 0.5, English Elective 0.5
Social Studies	3.0	9 th /10 th – World History, 11 th – U.S. History, 12 th – Government 0.5, SS Elective 0.5
Mathematics	3.0	Algebra I, Geometry, and Algebra II
Science	3.0	Physical Science, Biology, and 1.0 in another lab science course
Health & Fitness	2.0	9 th /10 th – Health & Fitness
Fine Arts	1.0	Art or Music
Career & Technical Education	1.0	Computer Apps. 0.5 and Business, Industrial Arts or Medical 0.5
Electives	7.0	Foreign language and/or additional courses from areas where requirements have been fulfilled.
Total	24.0	

- ✓ Recommend 2 years of the same Foreign Language, a course beyond Algebra II, and an additional one-half year of Social Studies
- ✓ Students who are considering an out of state four-year college are required to take 2 years of the same Foreign Language.
- ✓ No more than 1.0 credit of Teacher Aide (.25 credit each) may apply towards graduation.
- ✓ Students must acquire 0.5 credit of Economics or Financial Literacy within the 2 credits of Social Studies, the 2 credits of Mathematics, or the 1 credit of Vocational/Technical education (Economics, Personal Finance, or Consumer Math).

Students earning a College Prep Diploma will meet the Montana University System College Preparatory Core requirements for students entering a four-year campus. Be sure to check the admissions requirements for any colleges in which you are interested. Students must complete the Montana Rigorous Core requirements to be eligible for a Montana University System Honor Scholarship. Please visit with the school counselor about these requirements. More information is available online at <http://mus.edu>. The Valedictorian and Salutatorian will be selected from among the College Prep graduates.

Montana University System Graduation Requirements

MSU-Bozeman & MSU-Billings 22 ACT or 1540 SAT or 2.5 GPA on a 4.0 scale or rank in the top half of graduating class and complete required college prep courses.	UM-Missoula & MT Tech of the University of Montana 22 ACT or 1540 SAT or 2.5 GPA on a 4.0 scale or rank in the top half of graduating class and complete required college prep courses.
MSU-Northern 20 ACT or 1440 SAT (4-year programs) or 960 SAT (2-year programs) or 2.5 GPA on a 4.0 scale or rank in the top half of graduating class and complete required college prep courses.	UM-Western Montana College 20 ACT or 1440 SAT (4-year programs) or 960 SAT (2-year programs) or 2.5 GPA on a 4.0 scale or rank in the top half of graduating class and complete required college prep courses.
Montana Community Colleges: Dawson Community, Flathead Valley Community, Miles Community High school transcript or GED certification; College placement scores (Compass, Asset or ACT scores for general placement).	Montana Colleges of Technology: UM Helena COT, UMT Missoula COT, MT Tech COT, MSU-Billings COT, MSU-Great Falls COT, Gallatin College Graduate from high school, present high school transcript or GED certification; College placement scores (Compass, Asset or ACT scores for general placement).

Montana University System Core Requirements*

Course	Core	Years
English	Content of courses should have emphasis upon the development of written and oral communication skills and literature.	4
Social Studies	The courses shall include Global Studies (such as World History, World Geography); American History; and Government, Economics, Indian History or other third year courses.	3
Mathematics	Courses shall include Algebra I, Geometry and Algebra II (or the sequential content equivalent of these courses). Students are encouraged to take a math course in their senior year.	3
Science	One year must be Earth or Physical Science, Biology, Chemistry, or Physics; the other year can be one of those sciences approved college preparatory laboratory science.	2 of laboratory science
Electives	Two years chosen from the following: world language (preferably two years), computer science, visual and performing arts, or vocational education units.	2

*Please Note: Admissions requirements vary from college to college, so be advised that the standards listed above are general admission guidelines. Please see the Montana University System website at <http://mus.montana.edu/admissions.htm> for college-specific admissions information.

Montana University System Rigorous Core Requirements

Course	Core	Years
English	Written and oral communication skills, literature, and a designated college-prep composition or research-writing course	4
Social Studies	Global Studies (such as World History, World Geography); American History; and Government, Economics, Indian History or other third year courses. Recommendation: ½ year of other courses such as Psychology, Humanities	3
Mathematics	Algebra I, Geometry, Algebra II (or the sequential content equivalent) and a course beyond Algebra II (such as Trigonometry, Pre-Calculus, Calculus, Computer Math, or course equivalent)	4
Science	Full year each: General, Physical or Earth Science; Biology; Chemistry or Physics	3
Electives	Recommendation: Two years of second language, music, fine arts, speech/debate, career and technical education (such as Information Technology, Computer Science)	3

STUDENT TRANSCRIPT EVALUATION

COLLEGE PREP DIPLOMA (24 credits)

Communication Arts: (4 credits)

English 9 _____

English 10 _____

English 11 _____

English 12 _____

Social Studies: (3 credits)

World History (Fr) _____

US History (Jr) _____

American Government (Sr, .5 cr.) _____

Social Studies Elective (.5 cr.) _____

Science: (3 credits)

Physical Science _____

Biology I _____

Science _____

Mathematics: (3 credits)

Algebra I _____

Geometry _____

Algebra II _____

Health Enhancement: (2 credits)

H.E. 1/2 _____

H.E. 3/4 _____

Fine Arts: (1 credit)

Class _____

Class _____

Vocational Education: (1 credit)

Computer I (.5 cr) _____

Class _____

Electives: (7 credits)

Foreign Language 1.0 (Recommended) _____

Foreign Language 1.0 (Recommended) _____

Classes _____

Classes _____

Classes _____

Classes _____

Classes _____

* No more than 1.0 credit of Teacher Aide (.25 each) may apply towards graduation

**0.5 credit of Economics or Financial Literacy within the 2 credits of Social Studies, the 2 credits of Mathematics, or the 1 credit of Vocational/technical education is required. (Economics, Personal Finance, or Consumer Math will meet this requirement.)*

POST HIGH SCHOOL OPTIONS

University/College

- **Bachelor's Degree** (4-5 years)
- **Advanced Degree** (Master's 1-3 years, or Doctorate 4-8 years beyond a Bachelor's Degree)

Technical, Trade or Community College

- **Certificate Programs** (six months to one-year programs)

Training programs in areas such as cosmetology, welding, dental assistant, EMT/Paramedic, real estate, auto body technology, heavy equipment operation, bookkeeping, medical transcription, etc.

- **Associate of Arts or Science Degree** (2-year program)

General studies degree that is transferable to colleges or universities depending on entrance requirements.

- **Associate of Applied Science Degree** (2-year program)

This degree includes education training programs for specific careers, such as welding technology, diesel mechanics, nursing, medical assisting, computer information systems, etc.

Job Corps

Job Corps is a career technical training and education program for students ages 16 through 24 who meet income requirements. It offers hands-on training in more than 100 career technical areas, including welding, automobile technician, carpentry, office administration, clinical media assistant, culinary arts, computer technician and many more. All career technical training areas are aligned with industry certifications and are designed to meet the requirements of today's careers at no cost! Job Corps helps high school graduates launch their careers. For more information, go to <http://recruiting.jobcorps.gov>

Military

Students with a high school diploma may enlist in a branch of the military (Army, Marine Corps, Navy, Air Force, or Coast Guard), where training is available for many jobs. In addition, part-time activity in the military is available through the Reserves and National Guard. For more information, go to www.military.com

Reserve Officer Training Corps (ROTC)

This is a college-based, officer commissioning program designed as a college elective that focuses on leadership development, problem solving, strategic planning and professional ethics. Merit-based scholarships are available to ROTC students – often they cover a significant portion of college tuition.

Service Academies

These programs are considered to be among the best deals in higher education in that tuition, books, room and board, medical and dental expenses are paid in full for the four years a student is enrolled. Students graduate with a Bachelor of Science degree and a leadership job as a junior officer in the military. Competition for these programs is fierce, and graduates are obligated to serve in the military for a minimum of five years.

Apprenticeship

An apprenticeship is a training program where you can “earn while you learn” – earning money while you learn a skilled trade or craft from seasoned and skilled workers. See the Montana Department of Labor and Industry website at <http://wsd.dli.mt.gov/apprenticeship/default.asp> for more information or call 406.444.3998.

AmeriCorps

This is a network of local, state and national service programs that serves more than 2,000 nonprofits, public agencies and faith-based organizations. Full-time members of AmeriCorps who complete their service earn a Segal AmeriCorps Education Award of \$4,725 to pay for college, graduate school or to pay back qualified student loans. Students may serve in a variety of areas including tutoring, improving health services, helping communities respond to disasters and more. To learn more about AmeriCorps, visit www.americorps.org.

Work Full-Time

It is strongly suggested that employment be secured prior to graduation.

NCAA ACADEMIC ELIGIBILITY

www.eligibilitycenter.org

DIVISION I

In order to be classified as a qualifier for competition at a Division I college or university, a student is required to fulfill the 16 Core-Course Rule. Students must:

- ✓ Graduate from high school;
- ✓ Have a core-course grade-point average and a combined score on the SAT (Math + Critical Reading) or a sum score on the ACT based on the core GPA/test score index.

DIVISION II

In order to be classified as a qualifier, students must:

- ✓ Graduate from high school;
- ✓ Have a 2.00 GPA and complete the 16 Core-Course Rule;
- ✓ Have a combined score on the SAT of 820 or a sum score of 68 on the ACT.

DIVISION I 16 Core Courses	DIVISION II 16 Core Courses	DIVISION II 16 Core Courses (2018 and After)
4 years of English 3 years of mathematics (Algebra I or higher) 2 years of natural/physical science (including 1 year of lab science) 1 year of additional English, mathematics, or natural/physical science 2 years of social science 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)	3 years of English 2 years of mathematics (Algebra I or higher) 2 years of natural/physical science (including 1 year of lab science) 2 years of additional English, mathematics, or natural/physical science 2 years of social science 3 years of additional courses (from any area above, foreign language or comparative religion/philosophy)	3 years of English 2 years of mathematics (Algebra I or higher) 2 years of natural/physical science (including 1 year of lab science) 3 years of additional English, mathematics, or natural/physical science 2 years of social science 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)

NAIA ELIGIBILITY

www.naia.org

Students entering as college-level freshman must meet two of the three entry level requirements:

- ✓ A minimum score of 18 on the ACT or 860 (Math + Critical Reading) on the SAT;
- ✓ An overall high school grade point average (GPA) of 2.000 or higher on a 4.000 scale;
- ✓ Graduate in the upper half of your high school graduating class (top 50%).

The ACT/SAT test must be taken on a national testing date and certified to the institution prior to the beginning of the term in which the student initially participates.

*NOTE: Requirements for TFHS graduation, entry to Montana University System institutions, and NCAA/NAIA are different. If you plan to compete in athletics **and/or** attend a postsecondary institution, it is **your responsibility** to ensure that you meet the criteria required by ALL of the applicable institutions. More information is available in the Counseling Office.*

TESTS/ASSESSMENTS TO TAKE AND WHEN

Throughout the year, there are numerous tests proctored both in and out of school. Please take the time to review the chart and familiarize yourself with both required and optional tests, as well as their timelines.

TEST	9	10	11	12
ACT MOSAIC® - The ACT MOSAIC® is a social and emotional learning assessment system.	X			X
PreACT® - The PreACT® program helps 10th graders build a solid foundation for future academic and career success. It is a comprehensive guidance resource that helps students measure their current academic development and make plans for the remaining years of high school and post-graduation years.		X		
PSAT/NMSQT® – Preliminary SAT/National Merit Scholarship Qualifying Test. This test is given in early October at TFHS. It allows students to participate in a national scholarship competition, receive recognition, and practice for the SAT Reasoning® Test.	Opt.	Opt.	X	
ASVAB (Armed Services Vocational Aptitude Battery) – This three-hour test is given by the military at TFHS. Currently, this test is given once during the fall and once during the spring; participation is voluntary. This is a Career test that benefits students regardless of military entrance.		X	X	X
ACT® – College entrance exam. The ACT® is accepted by MT University System schools. It is recommended to take the test after completing Algebra II. Register online at www.actstudent.org . All juniors are required to take the ACT® in the spring through OPI-Montana State Testing.		Opt.	X	X
SAT REASONING® and SAT SUBJECT TESTS® – College entrance exam. The SAT Reasoning Test® measures verbal and math reasoning abilities and is accepted by the MT University System. The SAT Subject Tests® are designed to measure your knowledge and skills in core subject areas, as well as your ability to apply that knowledge. Register online at www.sat.collegeboard.com .		Opt.	X	X
College Placement – Reading, Writing & Math placement tests given and accepted at most community colleges and/or one- and two- year technical schools. Register for the test with the school counselor.	X	X	X	X

Test preparation websites:

- ✓ www.reachhighermontana.org – free ACT and SAT practice up to 3x per year
- ✓ www.sat.collegeboard.com – practice and registration for the PSAT and SAT
- ✓ www.actstudent.org – practice and registration for the ACT
- ✓ <https://www.khanacademy.org/> -free ACT and SAT practice

MONTANA CAREER PATHWAYS

Montana Career Pathways (MCP) is a college and career initiative brought to you by the [Montana Office of the Commissioner of Higher Education](#) and the [Montana Office of Public Instruction](#). Montana Career Pathways helps students transition successfully to postsecondary programs statewide by providing accessible, understandable information about postsecondary programs and building high-value accelerated learning options and experiences through collaboration between secondary, postsecondary, and industry.

Montana Career Pathways helps students make more informed choices about college and career by providing:

- Clear, concise, labor market referenced information about career options in Montana
- Opportunities to engage in college courses that support a career pathway via dual enrollment
- Opportunities to explore and engage in careers prior to college via work-based learning and industry recognized credentials

To learn more please visit the MCP website at <http://www.mus.edu/mcp/about.html>

Printed information on the Montana Career Pathways is available in the Counseling Office. Please stop by to learn more.



COURSE DESCRIPTIONS

COMMUNICATION ARTS (ENGLISH)

General Requirements and Guidelines:

1. A minimum of eight semesters of Communication Arts is required for graduation.

1 Year long course of English 9	Grade 9
1 Year long course of English 10	Grade 10
1 Year long course of English 11	Grade 11
1 semester long course of English 12 & 1 English elective course	Grade 12
 2. Students will register for one year of Communication Arts (two semesters) at the time of registration or have completed the 4-year requirements.
-

APPLIED ENGLISH and COMMUNICATION (01156): Elective Credit 0.50 and meets English elective requirement; One Semester; Grades 11-12. **Prerequisite—English 11 or General English 11/12.**

This course teaches communication skills—reading, writing, researching, listening, speaking—by concentrating on real-world applications. Emphasis will be placed on practical skills related to starting and running a business such as using technical reports and manuals, writing business letters, resumes, and developing marketing materials. This class is for college-bound students who would like to gain a wider variety of communication skills for elective credit, and it also counts as an English credit requirement for a general diploma.

COLLEGE WRITING via FVCC: (99003): Elective Credit 0.50 and meets English elective requirement; One Semester; Grades 10-12. **Prerequisite—Score of 11 or better on FVCC Writing Placement or benchmark score on ACT or SAT.**

This dual-enrollment course is taken online. It focuses on instruction and practice in expository writing. Emphasis is placed on specific writing and revision techniques to develop coherence, conciseness, a clear and forceful style, appropriate voice, and critical thinking skills. Assignments range from short pieces to essays, and a research paper. Mastery of the basics of grammar and mechanics is assumed.

CREATIVE WRITING: (01104): Elective Credit 0.50 and meets English elective requirement; One Semester; Grades 10-12. **Prerequisite—None.**

This writing-intensive course explores all aspects of the creative process. Units cover reading and writing short stories, dramatic scripts, and poems. Students will engage in brainstorming activities, share work frequently, participate in writing workshops, produce final drafts, and give formal and informal presentations before classmates. This class is geared toward students who value the power of their imagination and who also want to work hard to produce quality work.

ENGLISH 9 (01001): Required Credit 1.00; One Year; Grade 9. **Prerequisite—None.**

Fall semester covers texts related to American identity and the Civil Rights Movement. Narrative and informative writing will be produced. Spring semester surveys William Shakespeare's tragedy *Romeo and Juliet* and Homer's epic poem the *Odyssey*. Literary criticism and annotated bibliographies will be introduced. Students will be immersed in the writing process and be held accountable for giving and receiving feedback. Grammar instruction will focus on proofreading and revision techniques. MLA guidelines will be adhered to for formatting papers and conducting research. Each quarter involves a major paper and presentation.

ENGLISH 10 (01002): Required Credit 1.00; One Year; Grade 10. **Prerequisite—English 9.**

Fall semester covers Gothic literature such as Edgar Allan Poe's "The Fall of the House of Usher" and bizarre works like Franz Kafka's novella *The Metamorphosis*. Techniques for literary criticism and argumentation will be emphasized. Spring semester explores the power of possessions and what it means to see—including Sophocles' play *Oedipus the King*. Students will further hone the skills emphasized in English 9 as well as following MLA guidelines for papers and conducting research with the result being a major paper and presentation each quarter.

ENGLISH 11 (01003): Required Credit 1.00; One Year; Grade 11. **Prerequisite—English 10.**

Fall semester samples essential Native American, Colonial, Revolutionary, Romantic, and Transcendental texts. Spring semester surveys primary Realism, Naturalism, and Modern selections. Immersion in the writing process will take students through various brainstorming and feedback techniques in all modes. Rough drafts will be produced to make students less reliant on teacher feedback and more open to peer critique. Final drafts will require true revision as well as being tied into various presentations each quarter. Expectations for MLA guidelines and conducting research will entail a greater variety of source material.

ENGLISH 12 (01004): Required Credit 1.0; One Year; Grade 12. **Prerequisite—English 11.**

Fall semester covers essential Old English, Middle English, and Renaissance texts. Spring semester surveys primary Neoclassical, Romantic, Victorian, and Modern selections. Immersion in the writing process will build upon skills practiced in all prior English courses with an emphasis on increasing levels of complexity in the realms of reading, writing, listening, researching, thinking, and speaking. Implementation of MLA guidelines will be geared toward college readiness. Each quarterly paper and presentation will require a greater level of independence than in previous years.

GENERAL ENGLISH: Required Credit; 1.00; One Year; Grades 11–12. **Prerequisite—Teacher recommendation.**

This class will focus on building English skills through writing, reading, vocabulary, and speaking. Students will hone their understanding of grammar concepts, use the Step Up to Writing program, learn vocabulary fit for the classroom, and participate in reading interventions

focusing on FastBridge protocols and strategies. Students need to be proficient in the skills taught to receive course credit. Content will include the writing process, modes of writing (e.g., narrative essays, persuasive essays, informative essays, and argumentative essays), reading poems, a novel, and literary analysis, along with grammar and proper spelling.

NOVELS: (01053): Elective Credit 0.50 and meets English elective requirement; One Semester; Grades 10-12. **Prerequisite—None.**

This class focuses on classic and multicultural literature in which students will learn to apply literary criticisms (lenses) to the work in order to dig deeper into the content that is being discussed. There will be several projects that are required to be completed for this class, papers, reading, and discussion. At times more than one text will be read simultaneously, so multitasking skills and understanding of multiple viewpoints is necessary to complete this class.

PUBLIC SPEAKING (01151): Elective Credit 0.50 and meets English elective requirement; One Semester; Grades 10–12. **Prerequisite—English 9.**

This course covers the basic principles of oral communication, including dealing with anxiety. Skills will be developed in researching, writing, and organizing a variety of effective speeches suited to various audiences. Students will gain confidence in basic delivery skills and also learn to critically evaluate speeches and gain a better understanding of the responsibilities of ethical communication. Five major types of speeches will be given, with each becoming progressively longer. Rehearsal time outside of class is expected. Students can repeat the course multiple times, though their topics must change and expectations will be higher.

FINE ARTS

All art & music courses shall count towards meeting the one credit of fine arts required for graduation. These classes shall also fulfill the fine arts requirement in the college prep curriculum.

Any of the courses offered through the art and music departments may be taken more than once due to the changing nature of the projects presented and the broad range of the subject matter.

VISUAL ARTS

ART I (05155): *Fine Art Credit 0.50: One Semester; Grades 9-12; Prerequisite—None.*

You'll see the world differently. This class is designed to expose students to a wide variety of art and artists. There will be exploratory lessons in painting, drawing, printmaking, clay and sculpture along with research into the world of art; past and present. The topics and projects will be different each semester. Stimulate your senses with this art class experience!

CERAMICS (05159): *Fine Art Credit 0.50: One Semester; Grades 9-12: Prerequisite—None.*

Ready to start using your right brain? Interested in combining critical thinking with aesthetics? Do you have the ability to manage time, set goals and work under pressure? If you answer yes to all three this may be the class for you. Ceramics is designed to help you gain skills related to technique, learn terminology, and produce sculptural as well as utilitarian ceramic pieces. Students will utilize slab, coil, and pinch methods of hand building as well as wheel throwing and modeling to create ceramic art.

DRAWING (05156): *Fine Art Credit 0.50: One Semester; Grades 9-12: Prerequisite—None.*

Drawing courses provide a foundation in drawing using a variety of techniques and media (such as pen-and-ink, pencil, chalk and so on) in both color and black and white, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing.

MIXED MEDIA (05169): *Fine Art Credit 0.50: One Semester; Grades 9-12: Prerequisite—None.*

Formerly known as Computer-Assisted Art, Multimedia Art courses emphasize applying the fundamental processes of artistic expression for the purpose of creating multimedia productions that explore contemporary social, cultural, and political issues. These courses include the history and development of multiple forms of media including a combination of text, audio, still images, animation, video, and interactive foundational skills and knowledge while they also become more adept in cinema, video, digital live production, and electronic time-based media. Students engage in critique of their multimedia work, that of others, and the multimedia video, digital, and live production work of artists for the purpose of reflecting on and refining work for presentation.

SCULPTURE (05158): *Fine Art Credit 0.50: One Semester; Grades 9-12: Prerequisite—None.*

You will form your own ideas in this three-dimensional art class period. Students will have the opportunity to carve, model, construct and assemble art in this comprehensive introduction to sculpture. Lessons will include human form, kinetic art, site specific work, modern sculpture and more. Don't know what these terms mean? Take sculpture and find out. You can't get more hands on than this!

STUDIO ART (05154): *Fine Art Credit 0.50: One Semester; Grades 9-12; Prerequisite—None.*

Courses cover the language, materials, media, and processes of a particular art form and the design elements used. Comprehensive courses enable students to explore one or several

art forms (e.g. drawing, painting, two and three-dimensional design, and sculpture) and to create individual works of art.

PERFORMING ARTS

BAND (05101): *Fine Art Credit 0.50; One Semester; Grades 9-12; Prerequisite—Junior High Band.*

High school band continues on the principles of middle school band. It affords the student the opportunity to learn cooperation, responsibility, and self-discipline through musical expression in a group activity. In this class students review fundamental knowledge of instruments and music, learn music theory, and study and perform music of all styles. Classical, jazz, and solo music is emphasized in this class. Festivals, programs, and concerts are a part of this course and participation is required.

BEGINNING GUITAR (05108): *Fine Art Credit 0.50; One Semester; Grades 9-12; Prerequisite—none.*

This is an elective course offering beginning instruction for the guitar. Students will learn chords, accompaniment techniques, and a variety of playing techniques and styles. This course will include instruction in music fundamentals, theory, history, and learning how to read standard music notation and tablature. We will be focusing on playing acoustic guitars in class. There will be opportunities to play electric guitars, but the majority of class instruction will take place on acoustic guitars. All required performances will take place during class.

BEGINNING UKULELE (05108): *Fine Art Credit 0.50; One Semester; Grades 9-12; Prerequisite—none.*

This is an elective course offering beginning instruction for the ukulele. Students will learn chords, accompaniment techniques, and a variety of playing techniques and styles. This course will include instruction in music fundamentals, theory, history, and learning how to read standard music notation and tablature. All required performances will take place during class.

CHOIR (05110): *Fine Art Credit 0.50; One Semester; Grades 9-12; Prerequisite—None.*

High school choir continues on the principles of middle school choir. It affords the student the opportunity to learn cooperation, responsibility, and self-discipline through musical expression in a group activity. In this class students review fundamental knowledge of vocal production and music, learn music theory, and study and perform music of all styles. Classical, jazz, and solo music is emphasized in this class. Festivals, programs, and concerts are a part of this course and participation is required.

DRAMA (05056): *Fine Art Credit 0.50; One Semester; Grades 9-12; Prerequisite—None.*

This course is for students interested in dramatic activities emphasizing performing in front of an audience. The semester focuses on acting and memorization techniques, script writing, theater

history, and technical information. Rehearsal time outside of class is expected. A filmed showcase will take place at the end of the semester and may be posted publicly. Students may repeat this course multiple times. Activities will largely stay the same, but the plays read will vary.

MODERN BAND (05106): *Fine Art Credit 0.50; One Semester; Grades 9-12; Prerequisite—Beginning Guitar, Beginning Ukulele, Experience in Band, or Experience in Choir*

This is an elective course offering instruction on how to arrange music for modern band instruments (guitar, bass, drums, keyboard, etc.). Students will learn chords, accompaniment techniques, and a variety of playing techniques and styles. This course will include instruction in music fundamentals, theory, and learning how to read standard notation along with tablature and lead sheets. Concerts outside of the regular school day are a part of this course and participation is required.

PERCUSSION ENSEMBLE (05101): *Fine Art Credit 0.50; One Semester; Grades 9-12; Prerequisite—none.*

This is an elective course offering instruction in playing percussive instruments in a percussion ensemble setting. Students will learn to play a variety of percussion instruments including keyboard instruments, various drums, and auxiliary instruments. This course will include instruction in music fundamentals, theory, ensemble songs, listening, composing, improvising, and learning how to read standard music notation. Concerts and other performances during and outside of the regular school day are a part of this course and participation is required.

WORLD LANGUAGE (MTDA-Spanish)

Two years of the same foreign language is recommended for Montana colleges and required for most out of state four-year colleges.

SPANISH I (24052): *Elective Credit 1.00; One Year, Grade 9-12, Meets Rigorous Core requirement. Prerequisite—None.*

This is an introductory course in the Spanish language and culture. This is a rigorous academic course that aims to build basic skills in reading, writing, speaking and listening in the Spanish language. The basic vocabulary, fundamental grammar concepts, and verb conjugation provide a strong foundation for further language study. Students will also learn proper pronunciation and phonetics in Spanish. Exposure to the culture of Spanish-speaking countries is accomplished through media, technology, and projects. Learning language is linked to higher density in the brain, come get smarter through linguistic brain workouts!

SPANISH II (25053): Elective Credit 1.00; One Year, Grade 10-12, Meets Rigorous Core requirement; **Prerequisite—Spanish I & Instructor Approval.**

This rigorous academic course aims to enhance students' basic Spanish language skills. Students will become more proficient listeners, speakers, readers, and writers of the Spanish language. In this course the pieces of the language puzzle begin to fit together, and students gain confidence to utilize the language in creative ways. The students will also be exposed to a greater variety of cultural aspects and authentic materials. Students will further their knowledge about language patterns. They will expand their vocabulary and learn more verb tenses in order to communicate about more complex situations.

MATHEMATICS

ALGEBRA I (02052): Required Credit for College Prep Diploma 1.00; One year; grades 9-11; **Prerequisite—Instructor Approval.**

The Algebra I textbook used for this class is Algebra I-Common Core, published by Pearson. This book is designed to cover topics on Algebra, geometry, statistics and probability. This course will focus on the study of the foundations of Algebra, solving multistep equations, percentages, simple and compound inequalities, linear and quadratic functions, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, probability, and radical expressions. We will incorporate problem solving techniques as well as real world applications.

ALGEBRA II (02056): Required Credit for College Prep Diploma 1.00; One Year. **Prerequisites—Algebra I (highly recommended: grade of C or higher), Geometry (highly recommended: grade of C or higher) & Instructor Approval; Meets Rigorous Core Requirements.**

The basic concepts learned in Algebra I will be enriched and built upon. The focus will be on graphing, analyzing, and interpreting various kinds of functions, including linear, quadratic, polynomial, rational, radical, exponential, logarithmic, and trigonometric. Students will also study matrices and spend some time building their understanding of probability and statistics. If time permits, conic sections will be introduced. Graphing calculators and dynamic computer software programs will be implemented when appropriate to enhance instruction. This is a rigorous college-prep course. Textbook: enVision Algebra 2: Pearson, Copyright 2018. Additional Curriculum: <https://algebra2.flippedmath.com/>

CALCULUS (02121): Elective Credit 1.00; One Year. **Prerequisites—Algebra I (highly recommended: grade of C or higher), Geometry (highly recommended: grade of C or higher), Algebra II (highly recommended: grade of C or higher), Pre-Calculus (highly recommended grade of C or higher) & Instructor Approval; Meets Rigorous Core Requirements.**

This course is designed to be an introductory, first-year calculus course. Students will extend their experience with functions as they study the fundamental concepts of calculus: limiting behaviors, difference quotients and the derivative, Riemann sums and the definite integral, antiderivatives and indefinite integrals, and the Fundamental Theorem of Calculus. Students review and extend their knowledge of trigonometry and basic analytic geometry.

Textbook: *Calculus: Graphical, Numerical, Algebraic*: Pearson, Copyright 2016 Additional Curriculum: <https://calculus.flippedmath.com/>

GEOMETRY (02072): *Required Credit for College Prep Diploma 1.00; One Year.*

Prerequisite—Algebra I; Meets Rigorous Core Requirements.

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It also includes the study of transformations and right triangle trigonometry. Inductive and deductive thinking skills are used in problem solving situations, and applications to the real world are stressed. It also emphasizes writing proofs to solve (prove) properties of geometric figures. Analytical reasoning skills are emphasized throughout the course. Dynamic computer software programs and hands-on activities will be implemented when appropriate to enhance instruction. Textbook: *enVision Geometry*: Pearson, Copyright 2018 Additional Curriculum:

<https://geometry.flippedmath.com/>

PRE-ALGEBRA (02051): *Elective Credit 1.00; One Year; Grades 9; Meets graduation but not College Prep Diploma requirements. Prerequisite—Instructor Approval.*

The purpose of the class is two-fold. First, to provide a class which introduces pre-algebra, in preparation for the student studying algebra the following year. Second will be to look at mathematics from the perspective of how it fits in our work around us. Text is *Gateways to Algebra and Geometry* by McDougal, Littell. It integrates ten different areas of mathematics throughout the year.

PRE-CALCULUS (02110): *Elective Credit 1.00; One Year. Prerequisites—Algebra I (highly recommended: grade of C or higher), Geometry (highly recommended: grade of C or higher), Algebra II (highly recommended: grade of C or higher) & Instructor Approval; Meets Rigorous Core Requirements.*

Pre-calculus weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The first semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and polar form of complex numbers. These topics will be built upon in the second semester, and topics include: conic sections; sequences and series; and probability. Optional topics include statistics and a basic introduction to calculus concepts. Graphing calculators and dynamic computer software programs will be implemented when appropriate to enhance instruction. Textbook: *Advanced Mathematical Concepts*: Glencoe, Copyright 2006 Additional Curriculum:

<https://precalculus.flippedmath.com/>

STRATEGIC MATHEMATICS (02002): Elective Credit 1.00; One Year; Grades 11-12;
Meets graduation requirements but not College Prep Diploma requirements;
Prerequisite — One year of math.

Many topics are investigated in this class, including not only "consumer" topics such as banking, insurance, home and car buying, and budgeting, but also various topics from mathematics such as reasoning, probability, statistics, topology, geometry, and number theory. The goal of the course is to not only to provide "practical" applications but to also present an introduction to higher mathematics in an interesting yet understandable and enjoyable manner.

HEALTH & FITNESS

1 unit of Health & Fitness with ½ unit each year for two years Grades 9 - 10
(College Prep 2.0 credits)

Students need to register for 08001 1st semester and 08051 2nd semester

HEALTH & FITNESS FOR LIFE (08001): (Semester 1) Required Credit 0.50; One Semester;
Grades 9-10. **Prerequisite—None.**

This course gives the student the opportunity to learn and apply fitness principles based upon the health-related fitness model. They will have the opportunity to demonstrate how to incorporate healthy habits into their daily lives, use self-assessments to set and monitor personal goals, will be able to describe the benefit of being physically active, and continuously work to improve their individual health and physical fitness.

The lifetime activities will focus on improving the following areas of the health-related and skill-related components of fitness: cardiovascular endurance, muscular strength and endurance, flexibility, improving body composition, agility, speed, coordination, balance, power, and reaction time. The student will be assessed with the use of fitness testing throughout the semester, reviewing goals, personal effort, participation, and improvement.

The students will have the opportunity to learn about individual health and risky behaviors, the importance of nutrition and food choices, body weight/composition, and body image. They will be assessed in Health with the use of daily assignments, and informal and formal evaluations.
Unit 1 and 2 (Chapters 1-5)

HEALTH & FITNESS FOR LIFE (08051): (Semester 2) Required Credit 0.50; One Semester;
Grades 9-10. **Prerequisite—None.**

This course gives the student the opportunity to learn and apply fitness principles based upon the health-related fitness model. They will have the opportunity to demonstrate how to incorporate healthy habits into their daily lives, use self-assessments to set and monitor personal goals, will be able to describe the benefit of being physically active, and continuously work to improve their individual health and physical fitness.

The lifetime activities will focus on improving the following areas of the health-related and skill-related components of fitness: cardiovascular endurance, muscular strength and endurance, flexibility,

improving body composition, agility, speed, coordination, balance, power, and reaction time. The student will be assessed with the use of fitness testing throughout the semester, reviewing goals, personal effort, participation, and improvement.

The students will have the opportunity to learn about fitness and personal health, such as sleep, personal hygiene, and basic healthcare. They will also learn about the importance of avoiding hazardous substances such as tobacco, alcohol, and learn about other medications and drugs.

Unit 3 and 4 (Chapters 6-11)

STRENGTH & CONDITIONING (08009): *Health Enhancement Credit 0.50; One Semester; Grades 10-12. Prerequisite – None.*

This course will include extensive conditioning and weight training techniques. Each student will perform pre-fitness and post-fitness appraisal along with developing their own personalized fitness program during the length of the course. Concepts studied and experienced will include cardiovascular, strength training, and flexibility programs. Grading will be based on personal improvement in the Workout Log, strength improvement, effort, and attitude during class.

YOGA & STRENGTH (08005): *Health Enhancement Credit 0.50; One Semester; Grades 10-12. Prerequisite – None.*

Students will gain an understanding of the physical and mental benefits of yoga as they engage in poses that develop strength, increase heart rate, increase stamina, and improve balance and flexibility. Students will also learn how breathing and relaxation techniques can improve focus and concentration and help with stress management skills.

Students will also have the opportunity to work on muscular strength and endurance as we will do weight training to complement the flexibility component. Students will be assessed throughout the semester, reviewing goals, personal effort, participation, and improvement. Our main focus will be strength/endurance, flexibility, core strength, and muscular strength/endurance. We will use the gymnasium/outdoors/and weight training room.

SCIENCE

ANATOMY AND PHYSIOLOGY (03053): *Elective Credit 1.00; One Year; Grades 11-12. Meets Rigorous Core requirement; Prerequisite — Biology I.*

This course is a survey of the 11 major systems composing the human body including an exploration of cell structure, histology(tissues), genetics, and diseases. Extensive dissection of comparative mammal organs as well as labs teaching biometric skills explore our form and function.

BIOLOGY (03051): *Required Credit for College Prep Diploma 1.00; Grades 10-12. Meets Rigorous Core requirement; **Prerequisite — None.***

This course is a general survey of the life sciences. It includes the study of life at all levels, from the single cell to the entire community of living organisms interacting with each other and with their environment. Areas of biology which are covered include biochemistry, genetics, physiology, ecology and the diversity of life.

BIOTECHNOLOGY (14252): *Credit 1.00; One Year; Grades 10-12. Meets Rigorous Core requirement; **Prerequisite — A "C" or better in Biology I or instructor approval.***

This class is designed to introduce students to the biotechnology revolution. Advances in molecular biology with the explosion of cutting-edge technologies are shaping our society. The questions that arise demand solutions from a science and technology literate citizenry. This course will expose students to the biotechnology of genetic engineering, cloning, gene therapy and DNA analysis. Biotechnology is a lab intensive science course. The techniques and knowledge gained in this course will allow students to venture off into many different fields such as medicine, genetics, microbiology, virology and forensics.

CHEMISTRY (03101): *Credit 1.00; One Year; Grades 10-12. Meets Rigorous Core requirement; **Prerequisite — Physical Science or Biology I. Instructor or counselor approval for sophomores.***

This course covers a number of important concepts as outlined by the Montana Science Standards. Among these are the following: *Scientific Measurement, Matter and Energy, Atomic and Molecular Structure, Periodic Law, Chemical Mathematics and Reactions, Gas Laws, Equilibriums, Acids, and Bases, Energy Transformations, Organic Chemistry.* Laboratory investigations are conducted throughout both semesters to further develop these concepts experimentally and to demonstrate the connection to real life situations. A final exam will be given to evaluate the retention of learned concepts for each semester.

PHYSICAL SCIENCE (03159): *Required Credit for College Prep Diploma 1.00; One Year; meets Rigorous Core requirement; Grades 9-12. **Prerequisite — None.***

The class covers important concepts as outlined by the Montana Science Standards. Among these are the following: *Scientific Methods and Measurement, Matter, Energy, Forces, and its Transformations, Atomic Structure, Period Law, Gas Laws, Earth's Structure, Motion, Physical Features, Meteorology, Lunar Cycles and Astronomy.* Laboratory investigations are conducted throughout both semesters to further develop these concepts experimentally and to demonstrate the connection to real life situations. A final exam will be given to evaluate retention of learned concepts for each semester.

SOCIAL STUDIES

ECONOMICS (04201): *Elective Credit; 0.50 Social Studies and Financial Literacy; One Semester; Grades 11–12.*

This course provides students with a foundational understanding of economic principles, including both microeconomics and macroeconomics. Students will explore topics such as supply and demand, market structures, personal budgeting, taxes, saving and investing, and the role of government in the economy. Emphasis will be placed on applying these concepts to real-world personal finance decisions and current economic issues. Students will engage in projects, simulations, and discussions to develop financial literacy and critical thinking skills. Proficiency in key economic and financial concepts is required to earn course credit

GEOGRAPHY (04001): *Elective Credit 0.50; One Semester; Meets Social Studies elective requirement; Grades 9-12. **Prerequisite-None.***

World Geography courses provide students with an overview of world geography but may vary widely in the topics they cover. Topics typically include the physical environment; The political landscape; The relationship between people and the land; Economic production and development; And the movement of people, goods, and ideas.

GOVERNMENT (04151): *Required Credit for College Prep Diploma 0.50; One Semester; Grade 12. **Prerequisite-U.S. History.***

This semester course is a study of basic structures of local, state, and national government. It will also use past and present-day examples to illustrate the functions of the United States Government. Students will also be introduced to basic principles of a free enterprise economic system.

MONTANA HISTORY (54063): *Elective Credit 0.50; One Semester; meets Social Studies elective requirement; Grade 9 -12; **Prerequisite – None. Offered alternating years from Native American Studies.***

In this semester-long course you will study topics that include pre-contact and Montana's Indigenous People, Exploration and Fur Trade, Mining/Timber, Cattle, Homesteading, Depression and World War II, and Post-World War II in Montana.

NATIVE AMERICAN STUDIES (54063): *Elective Credit 0.50; One Semester; meets Social Studies elective requirement; Grade 9 -12; **Prerequisite – None.***

The purpose of this class is to learn about different Native American cultures in the western hemisphere. The class will focus on the following periods in Native American history: Colonization, Treaty Period, Allotment Period, Boarding School Period, Tribal Reorganization Period, Termination period, Self-determination. This class will be taught with the Native American Literature course.

U.S. HISTORY (04101): *Required Credit for College Prep Diploma 1.00; Grade 11. **Prerequisite- World History.***

This course covers the following periods of history in the United States:

Before 1800-Colonization to a new government

1800-1860 Westward movement

1860-1890 Civil War and Reconstruction

1890-1920 Imperialism & World War I

1920-1930 Roaring 20's 1930-1950 Depression & World War II

1950-1980 Korean and Vietnam War

1980 - Present

Special individual projects will include oral history research.

WORLD HISTORY (04051): *Required Credit for College Prep Diploma 1.00; One Year; Grades 9-10. **Prerequisite- None.***

This course will study significant people, places, and events that have shaped the history of the world. It will begin with the fall of medieval Europe, Muslim civilizations, civilizations of East and Southeast Asia, Renaissance and Reformation, beginnings of our Global Age, and the World at War.

CAREER & TECHNICAL EDUCATION

All career & technical education classes shall count towards the one credit required as Vocational credit for a general diploma. The College Prep diploma requires 0.5 credit in Computer Applications in addition to 0.5 credit in another vocational course.

BUSINESS

MT OPI CAREER EXPLORATION (21151): *Vocational Credit 0.50; One Semester; Grades 9-12. **Prerequisite – None.***

This class will support students as they prepare for their future educational, training, or employment goals. Students will identify and evaluate their personal goals, priorities, aptitudes, and interests through self-assessments and career inventories with the goal of helping them make informed decisions about their education and future career. Content will include activities like exploring career clusters, researching specific jobs and the skills/education required, interviewing professionals, and developing job search skills. Students will develop essential skills like communication, problem-solving, teamwork, and critical thinking through hands-on activities like mock interviews, communicating with industry professionals, and job shadowing.

COMPUTER APPLICATIONS (10004): *Vocational Credit; Required Credit for College Prep Diploma 0.50; One Semester; Grades 9-12. **Prerequisite – None.***

The introductory computer class is designed to cover a brief history of computing and to learn various popular applications of computers. Skills acquired include Windows file management, beginning to advanced word processing, database management, spreadsheets, presentations and telecommunications. The software is Microsoft Office Word, Excel, Access, PowerPoint, and Outlook. Introduction to Google Docs, sheets, slides, forms, and drawings will be explored. Keyboarding and editing skills are reinforced in daily assignments.

YEARBOOK (11001): Vocational Credit 0.50; One Semester, Grades 9-12;

Prerequisite— See below.

Must have a good skill set in digital media, including but not limited to: *Photoshop, jpeg, altering pixel count, downloading and uploading images, layouts, and layering imagery*. Also, teamwork, a positive attitude, willingness to do more than what is asked is important. You will need to be able to leave campus with a personal vehicle or ride with others, as well as attend sporting events and special functions outside of the normal school day. Communication skills and an ability to adhere to strict timelines are critical!

INDUSTRIAL TECHNOLOGY

AUTOMOTIVE BASICS (20104): Elective Vocational Credit 0.50; One Semester; Grades 10 -12. **Prerequisite – None.**

This course emphasizes the diagnosis and repair of internal combustion engines and support systems such as brakes, cooling, drive trains, electrical/electronic components, emission, fuel, ignition, steering, suspension, and transmissions. Course topics often include the comprehension and use of repair manuals and safety.

CAD/FABRICATION (21107): Elective Vocational Credit .50; One semester. Grades 10 -12. **Prerequisite – None.**

The focus of this class is to teach beginning drafting students the fundamentals of computer-aided- drafting, (CAD). Students learn how to accurately create complex geometry using the programs AutoCAD and

Rhino. They complete a series of 2-D mechanical drawings and 3-D models. New commands are learned with each new drawing. Students are required to complete a final project which is worth 25% of their grade. Grading is based on their final project, tests and class work.

CAD Fabrication-Students will be introduced into the fundamentals of CAD systems using 2-D and 3-D project planning. Students will produce working drawings (details and assemblies) to communicate technical ideas and solve engineering problems. Students will transition from designing and drawing into building the projects designed. SMAW and MIG welding principles and processes will be used in the build process. Safety and design principles will be

emphasized throughout the build process. Various design principles will be researched and applied as applicable. Students will be graded according to project constraints and work produced. Participation and safety will also be factored into final grades.

INDUSTRIAL TECHNOLOGY (17003): *Elective Vocational Credit 0.50; One Semester; Grades 9-10. Prerequisite – None.*

This course is designed to develop students' ability to design and manufacture projects using current manufacturing techniques. Concepts covered include technical sketch, computer aided drafting, cost estimation, metal and wood working equipment, technical writing, and job planning. This class will emphasize the use of the design process to create projects. The instructor will provide working criteria and assist students in selecting skill level appropriate projects with an artistic emphasis. The class will be centered on a hands-on approach to creating aesthetic pieces of various types and sizes. Through required projects and procedures, students will have the freedom to interpret and create metal or wood art with their own personal flair.

WELDING 1 (13202): *Elective Vocational Credit 0.50; One Semester; Grades 10-12. Prerequisite – None. No repeat students without Instructor approval.*

A study of welding technology fundamentals. OFW OFC (Oxy-Fuel Welding and Cutting) and SMAW (Shielded Metal Arc Welding) are covered in this class. Students complete the five basic welds in five basic positions using OFW and SMAW processes. OFW is used to teach students the process of fusing metal together with a molten puddle. Students complete a series of welding tasks in the flat, horizontal, and vertical positions. Students learn how to safely interact in an industrial setting, select proper personal protective equipment, and welding equipment set-up and shut-down, electrode classifications, and basic weld joints. Grading is based on test, class work, and participation.

WELDING 2 (13207): *Elective Vocational Credit 0.50; One Semester; Grades 10-12. Prerequisite - Welding 1 and Instructor Approval. No repeat students without Instructor approval.*

This class is a continuation of Welding 1. Shop safety and equipment care are reviewed. Students take a deeper look at reading plans, welding symbols, and welding out of position. Students learn how to GMAW/MIG (Gas metal arc weld). Once students have completed the five basic welds using all of the welding equipment they apply what they have learned by completing individual or team welding projects. Grading is based on test, class work, and participation.

WOOD DESIGN 1 (17006): *Elective Vocational Credit 0.50; One Semester; Grades 9-12. Prerequisite- None*

This class familiarizes students with careers and procedures associated with the manufacturing industry. Students gain a strong working knowledge of tools, materials and manufacturing processes. This course includes shop safety, personal protective equipment

nomenclature, appropriate tool maintenance, and safe tool operation. Students follow the teacher through their first project, four-drawer dresser (or similar). Each step is demonstrated to the students. Upon completion of the four-drawer dresser (or similar) students plan and build another project approved by the instructor. Grading is largely based on participation with some written assignments.

WOOD DESIGN 2 (17007): *Elective Vocational Credit 0.50; One Semester; Grades 9-12. Prerequisite- Wood Design 1 and Instructor Approval.*

This is a project-oriented design concept class where students apply what they have learned by completing individual projects and working as a team on manufacturing wood-based projects. Emphasis is placed on proper planning, design concept and efficient work habits. Students learn how to order material, fill out plan sheets, and execute a plan. Students develop problem solving skills by utilizing current methods and processes to build projects. Students are required to read plans and learn to work in a safe efficient manner. Materials, design, production, and marketing are discussed. Grading is largely based on participation with some written assignments.

OTHER ELECTIVES

DISCOVERING STEM (21009): *Elective Credit 0.50; One Semester; Grades 9-12.*

This course aims to introduce students to the fundamentals of Science, Technology, Engineering, and Mathematics (STEM) and will include topics such as:

3-D PRINTING

Graphic technology helps students apply artistic and computer techniques to the interpretation of technical and commercial concepts. Topics covered may include computer assisted art and design, printmaking, concept sketching, technical drawing, color theory, imaging, studio techniques, still life modeling, and commercial art business operations. Advanced topics may include topographic arrangements of print and/or electronic graphic and textual products, printing and lithographic equipment and operations, digital imaging, print preparation, desktop publishing and web page design.

DRONES

Drones follows the curriculum PCS Edventures has promoted. Students have hands-on, project-based learning developing the foundation of scientific inquiry, engineering design, and computational thinking while exercising 21st century problem-solving, communication, reflection and collaboration skills. As students build their own drones, they experience structural, mechanical and electrical engineering, while customizing flight configuration engages them in the science of programming and robotics, not to mention that piloting a drone requires an intuitive understanding of the physics of flight and aerodynamics. As students work towards the adrenaline-filled experience of FPV flight, inspiring a deep love for

STEM in the process, they gain invaluable skills and experiences that they are then able to utilize in emerging drone career fields.

ROBOTICS

Robotics introduces students to the basics of designing, building and programming robots. Students learn to complete challenges and solve problems using the iterative process of engineering. Students begin with the LEGO EV3 platform and can work up to the FTC Java environment. In addition, students will learn the basics of 3D design and 3D printing to invent new solutions to challenges.

SENIOR PRIVILEGE (SKIP PERIOD): *No Credit; One Period (1st or 7th) per Semester; **Grade 12 only.** **Prerequisite – Meeting graduation requirements, cumulative GPA of 2.0 and have approval of principal and parent/guardian.***

The student handbook states "Seniors must be enrolled in a minimum of five ½-credit bearing classes. They may additionally choose from the following: Teacher Aide (.25 credit), or Office Aide, and seniors may request one unscheduled period (1st or 7th period) and both student and a parent must sign a contract after a meeting with the building level administrator. The administration has the authority to grant exceptions to the number of credit-bearing classes required based on extraordinary circumstances."

STUDENT SUCCESS STRATEGIES (2004): *Required Credit for Grade 9; 0.50; One Semester; Grades 9-11; **Prerequisite—None.***

This class is a highly structured environment for developing study skills and disciplined academic habits. In addition, students will have access to subject-specific tutoring. Students must demonstrate and apply particular skills, strategies, and habits to their studies to earn credit for the course.

Content will include organization (e.g., notebooks, binders, lockers); use of a planner and assignment book; effective note-taking; study habits (e.g., formulating goals, managing time, organizing papers and files, setting a conducive environment); study strategies (e.g., peer review, simulating assessments, "how do you know you know it?"), writing skills, and math support (e.g., EdReady).

TEACHER AIDE: *Elective Credit 0.25; One Semester; Grades 10-12. **Prerequisite—Instructor Approval.***

This Pass/Fail elective provides the student an opportunity to work for a teacher, in the main office, library, or high school classroom. Students may apply **only 1.0 total credit of Teacher Aide** towards graduation. Students in grades 10 - 12 may request approval from the counselor for one Teacher Aide position per semester.

MONTANA DIGITAL ACADEMY (MTDA) & RUNNING START

Located in The University of Montana's Phyllis J. Washington Education Center, MTDA is the state's publicly supported K-12 online school and is specifically designed to offer flexible education options to Montana students.

MTDA courses are delivered via the Web, and students can access them whenever and wherever they want. Content is taught by qualified Montana-licensed instructors and aligned to state educational standards, including Indian Education for All. **MTDA teachers provide the final course grades, and the schools where the students are enrolled grant credit.**

Students receive their assignments and submit their homework online. Courses are available 24 hours a day, seven days a week. MTDA can help reduce or eliminate the course conflicts that many students experience, allowing them to build a schedule that is right for them.

MONTANA DIGITAL ACADEMY FOREIGN LANGUAGE

Students may choose to enroll in Original Credit Foreign Language Courses through MTDA. To view the course catalog for course descriptions please visit:
<http://montanadigitalacademy.org/program/course-catalog>

Original Credit foreign language courses are cohort-styled online courses. They begin and end on a set date, and most courses require a proctored final exam. Courses must be registered for in advance and students that do not withdraw by the set deadline take a W/F for the courses. Many foreign language courses are offered through the MTDA. Students interested in taking a MTDA foreign language course may register to take a course and schedule a period to work on the course during the regular school day. Please discuss this option with the school counselor.

World Language Offerings on-line through MTDA:

French I; French II; French III

German I; German II

Spanish I; Spanish II; Spanish III

RUNNING START

Running Start is a dual credit program between Thompson Falls High School and Flathead Valley Community College where high school students earn credit simultaneously for high school graduation and toward a college degree. The Running Start program enables an eligible high school student to seek an expanded educational challenge. The student enrolls simultaneously in high school and college classes for the purpose of earning credit to be awarded both by TFHS and FVCC.

Classes taken at TFHS as part of the Running Start program are limited to college level courses numbered 100 or above.

A student must take and pass a college placement test to be eligible to take FVCC classes. Students and parents will be responsible for all tuition and fees when GEAR UP funding is unavailable. Once students enroll under this program and begin attending FVCC, they will be considered regular college students. The college faculty will expect the same level of classroom participation, study habits, and homework as they expect from all other students in the class.

Running Start classes will be counted toward extracurricular eligibility rules and will be compiled as part of the GPA. Credits earned at FVCC will be accepted in the TFHS credit system as follows:

<u>FVCC Credit</u>	<u>TFHS Credit</u>
1.0	.25
2.0	.50
3.0	.50
4.0	.75
5.0	1.0

The placement test for Running Start college courses is offered at TFHS at no cost to the student. Testing must be completed during the spring prior to fall enrollment and during the fall prior to spring enrollment. It is the student's responsibility to follow through on completing the placement tests. Deadlines are posted in the Daily Bulletin for college enrollment and course registration. Please contact the school counselor for procedures to enroll in the Running Start program.