

COLUMBIA FALLS HIGH SCHOOL



2024-2025
REGISTRATION
HANDBOOK



Character Focus Honor Strength

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COLUMBIA FALLS HIGH SCHOOL

GRADUATION REQUIREMENTS

2024-2025

NOTE: Not all courses within the booklet may be offered each semester. Student interest, staff, facilities (classrooms), and enrollment will be determining factors.

MINIMUM GRADUATION REQUIREMENTS

A total of 23 credits are required for graduation.

ENGLISH	4 credits
MATHEMATICS.....	3 credits
SCIENCE (Biology & Earth Science).....	2 credits
HEALTH ENHANCEMENT	2 credits
SOCIAL STUDIES or WORLD LANGUAGES	1 credit
U.S. HISTORY	1 credit
AMERICAN GOVERNMENT	1 credit
FINE ARTS (Art, Music - Choir or Band)	1 credit
VOCATIONAL ARTS / BUSINESS & INFORMATION SYSTEMS	1 credit
(Business/Technology Education, Health Occupations, Industrial Tech, Family & Consumer Science)	
COMPUTER ESSENTIALS5 credit
FINANCIAL LITERACY5 credit
(Personal Finance A or B, Accounting I, Intro. to Business, Entrepreneurship, Exploring FCS or Practical Math)	

ELECTIVES 6 credits *

COLLEGE-PREP RECOMMENDED COURSES:

NOTE: Colleges encourage college-bound students to take math and science their senior year.

ENGLISH	4 credits
MATH (Algebra 1, Geometry, Algebra 2/Trig., Pre-Calculus, Calculus)	3+ credits
SCIENCE	3+ credits
WORLD LANGUAGES	2+ credits
FINE or PERFORMING ARTS	1 credit
VOCATIONAL ARTS / BUSINESS & INFORMATION SYSTEMS	2 credits
SOCIAL STUDIES.....	3+ credits
(Modern World History, U.S. History, American Government)	

For more information regarding any of the courses, such as being appropriate for your level of ability or career planning, contact a staff member of the particular department or the Counseling Center.

Grades

Grades are the means for reporting how a student is progressing after assessing the work done throughout a nine-week period or semester. The grading scale for each class is determined by the classroom teacher and will be communicated to students through the "Full Disclosure" document at the beginning of the school year. A copy of the class "Full Disclosure" is on file with the individual teacher and is available upon request.

Generally letter grades are interpreted to mean:

A	Superior work	D.....	Below average work
B	Good work	F.....	Unacceptable
C	Average work	P	Pass
W	Withdrawal (Class dropped within the first 10 weeks of the semester.)		
X	No credit due to lack of attendance.		

All INCOMPLETE semester grades must be made up within 10 school days following each semester grading period or the student receives an "F" for the course in question.

For computing grade point averages the following numerical values are assigned to the letter grades:

A = 4	P = Not included in GPA
B = 3	W = Not included in GPA
C = 2	X = 0
D = 1	
F = 0	

- **Weighted Grades:** The District will implement a system of awarding additional grade points referred to as "weighted grading" in designated high school courses. This system of grading will be incorporated in computing students' quarterly, semester and cumulative grade point averages. The following grading system will be used:

A = 5 grade points	C = 2.5 grade points	F = 0 grade points
B = 4 grade points	D = 1 grade point	

School District 6 Board of Trustees approved weighted grades for all Advanced Placement (AP) courses.

➤ **Honors/High Honors:**

The requirements to qualify for honors and high honors at graduation are as follows:

1. HIGH HONORS: Overall GPA of 3.85 or better for all classes during eight (8) semesters (freshman through senior year).
2. HONORS: Overall GPA of 3.0 – 3.84 for all classes during eight (8) semesters of high school.

Foreign Exchange students and early graduates are not eligible to receive honors awards.

Honor Roll: All GPA's of 3.0 and above are accepted for the Honor Roll with the following restriction:

Daily classes only are accepted in the GPA. Pass/Fail and W grades are not included in the GPA.

➤ **Columbia Falls High School Honors Diploma**

Purpose of Honors Diploma – encourage a more rigorous track and recognize those students who achieve our highest academic standard.

The District will implement an Honors Diploma that will be awarded to students who achieve the following minimum requirements:

- Students will be required to earn a minimum of 24 credits
- Students will be required to attain a minimum GPA of 3.85
- Students will be required to take and complete at least 50% of the Advanced Placement courses offered within the bricks and mortar of CFHS. (This excludes Advanced Placement courses that may be taken through Montana Digital Academy or other sources.) This number is based on the number of CFHS AP offerings when the graduating class entered CFHS as freshmen, refer to chart listed below:

Graduation Class	Number of AP Offerings	Minimum Number to Take
2025	8	4
2026	8	4
2027	8	4
2028	8	4

- Transfer students who meet the criteria will earn the honors diploma.
- Early graduates who meet the criteria will earn the honors diploma.
- Foreign Exchange students are not eligible to earn the Honors Diploma.
- Students enrolled in the Learning Center are not eligible to earn the Honors Diploma.

The minimum requirements for the course of study for the Honors Diploma would be as follows:

4 credits of English
 4 credits of Science
 4 credits of Math
 3 credits of Social Studies (including US History and American Government)
 2 credits of Foreign Language
 2 credits of Physical Education
 1 credit Fine Arts/Music
 .5 credit Computer Essentials
 1 credit Vocational Arts / Business and Information Systems
 .5 credit Financial Literacy
2 credits Electives
24 Total credits

College Preparatory Requirements

Colleges encourage college-bound students to take math and science their senior year.

COURSE	CFHS GRAD	MUS ADM	SELECT COLLEGE ADMISSION
ENGLISH	4 CREDITS	4 CREDITS	4 CREDITS
MATHEMATICS	3 CREDITS ²	3+ CREDITS ³	3+ CREDITS ³
SCIENCE (must include Biology and Earth Science)	2 CREDITS	3+ CREDITS	3+ CREDITS
HEALTH ENHANCEMENT	2 CREDITS	2 CREDITS	2 CREDITS
NON-SPECIFIC SOCIAL STUDIES or WORLD LANGUAGES	1 CREDIT		
WORLD LANGUAGES			2+ CREDITS ⁴
MODERN WORLD HISTORY		1 CREDIT	1 CREDIT
US HISTORY (junior year)	1 CREDIT	1 CREDIT	1 CREDIT
AMERICAN GOVERNMENT (senior year)	1 CREDIT	1 CREDIT	1 CREDIT
FINE ARTS (art, music)	1 CREDIT	1 CREDIT	1 CREDIT
VOCATIONAL ARTS/TECHNOLOGY ED (Business, health occupations, industrial tech, family & consumer science)	1 CREDIT	1 CREDIT	1 CREDIT
FINANCIAL LITERACY	.5 CREDIT	.5 CREDIT	.5 CREDIT
COMPUTER ESSENTIALS	.5 CREDIT		
ELECTIVES	6 CREDITS	See 5 below	See 5 below
TOTAL	23 credits	Diploma+ 6	Diploma +6

1. MUS = Montana University System: the 6 publicly-funded, 4-year colleges and universities of Montana.
2. Must include the completion of Algebra 1
3. Must include math sequence of at least Algebra 2/Trig level.
4. Out-of-state college and university requirements vary. Consult specific schools for minimum foreign language requirement
5. Colleges and universities do not require general electives, though they specify certain high school coursework in admissions consideration.
6. Four-year colleges and universities will require additional "academic" classes beyond our high school graduation. Consult college requirements. (Additional math and science, for example)

College-Bound Student-Athlete Information

Student-Athletes who aspire to participate in Collegiate Athletic programs are encouraged to seek eligibility information regarding educational requirements as soon in high school as possible at the following websites:

For information related to athletic participation at any level of NCAA competition, students and parents can find eligibility information at www.ncaa.org or at www.eligibilitycenter.org.

For information related to athletic participation at any level of NAIA competition, students and parents can find eligibility information at www.naia.org.

The above websites provide current and valuable eligibility information for college-bound student-athletes. Student-athletes with aspirations of participation at the collegiate level should also seek help in planning their educational careers at CFHS by seeking help from our high school counselors. This process should begin early in a student's high school career to ensure all eligibility requirements are met.

REGISTRATION GUIDELINES

PLANNING YOUR SCHEDULE

The standard expectation is that students are expected to be enrolled in 7 class periods. Students' classes will be in consecutive order and include no more than one study hall. Students in grades 9 and 10 must be enrolled in 7 class periods, 6 of which must be credit bearing. Students in grades 11 and 12 must be enrolled in 6 classes, 5 of which must be credit bearing.

Some courses selected must have instructor approval. Department instructor signatures or initials must accompany each course listed on registration forms.

Courses described in this registration handbook may or may not be offered depending upon the interest shown during pre-registration. If any of the electives are dropped due to lack of interest, the student will be placed in one of the alternates listed by the student.

The following classes may be Early Bird offerings - Algebra2/Trigonometry, and American Government, AP English, Fitness for Sport.

CREDITS

One credit equals passing one YEAR in any class. One-half credit equals passing one SEMESTER in any class.

ELIGIBILITY FOR EXTRA-CURRICULAR ACTIVITIES

It is Columbia Falls High School and District 6 Policy that students must pass four classes per semester to be eligible to participate in extra-curricular activities.

CREDIT RECOVERY

Credit Recovery class is one method for students to make up credit in a class they have previously failed. Class offerings as well as space in the class are limited.

Placement into the class is determined by Administration. Students should indicate on their registration form that they would like to be considered for placement into Credit Recovery. If there is space available, students will be contacted and receive the necessary schedule change.

SCHEDULE CHANGES

Students are expected to choose classes wisely during the pre-registration process. After the initial registration process, additional changes to a student's schedule may occur due to computer errors, overloaded classes, cancelled classes, teacher recommendation, or extenuating circumstances.

RUNNING START PROGRAM

The Running Start Program provides eligible high school juniors and seniors the opportunity to get an affordable start on their education by earning college credits while still in high school. The first 6 credits are offered at no cost for in-district students, and subsequent courses are offered at a significantly reduced cost. Courses are limited to college level courses numbered 100 or above. Some courses offer dual credit opportunities, which allow students to gain high school and college credit simultaneously. Running Start credits taken at FVCC or online will be accepted at Columbia Falls High School **ONLY AS ELECTIVE CREDITS; FVCC CREDITS MAY NOT BE TAKEN TO SATISFY GRADUATION REQUIREMENTS UNLESS PRIOR APPROVAL FROM THE HIGH SCHOOL ADMINISTRATION IS GRANTED.**

Students and parents will be responsible for all tuition and fees. Although the tuition is fifty-percent off the designated residency rate, the student pays full cost for all lab fees, books, and materials. Students are responsible for their own transportation to and from FVCC classes.

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.

Students must take a minimum of five classes at CFHS. To maintain eligibility for MHSA sponsored extra-curricular activities students must pass at least four classes.

Credits earned at FVCC will be converted in the CFHS credit system as follows:

<u>FVCC Credit</u>	<u>CFHS Credit</u>
2.0	.25
3.0	.50
4.0	.75
5.0	1.00

Students should contact their high school counselor for procedures to enroll in the Running Start program.

CONCURRENT ENROLLMENT OPPORTUNITIES

Concurrent Enrollment courses are defined as FVCC College courses taken at CFHS while earning dual credit (full credit at both CFHS and FVCC). The first 6 credits taken through the Running Start Program are offered at no cost for in-district students and subsequent credits are offered at a significantly reduced cost. **All students are required to complete the Running Start application process including any required placement tests.**

Concurrent Enrollment Courses may include:

CFHS course title	FVCC course title	Grades
Metals I – Welding Theory**	WLDG 110/111 Welding Theory I Practical	10, 11, 12
Metals II – Fabrication & Design **	WLDG 145/122 Fabrication & Design COLS 115 Workforce Prep for Tracks	11, 12
Metals III **	WLDG 185 Welding Test Prep WLDG 146 Welding Test Prep	12
House Construction **	CSTN 195 Building Trades	11, 12
CAD I	DDSN 114 Intro to Cad WLDG 117 Blueprint Reading	10, 11, 12 10, 11, 12
CAD II	DDSN 135 Intro to Solid Works DDSN 235 Advance Solid Works II	11, 12 11, 12
Opportunities in Health Professions	HTH 101 Opportunities in Health Professions	11, 12
Medical Terminology	AHMS 144 Medical Terminology	11, 12
Probability Linear Math/Statistics	M115 Probability & Linear Math STAT 216M Introduction to Statistics	11, 12
Technical Math	M114 Technical Math	12
College Writing / Intro to Literature	WRIT 101W College Writing I LIT 110 Introduction to Literature	12
Spanish IV	SPNS 101/102 Elementary Spanish	11, 12
French IV	FRCH 101/102 Elementary French	11, 12

Class fees ** \$40

CHOOSING YOUR CLASSES

Planning your high school program is a much more important activity than you may realize. The courses you select and the academic and vocational preparation you obtain may have an effect upon all of your future learning activities.

As our world becomes more technologically sophisticated, there is concern about whether or not schools are providing their students with the training that will be needed for careers of the future. Colleges are concerned about whether or not entering freshmen are adequately prepared for college level work. Employers are concerned about the ability of their employees to comprehend and communicate effectively.

Few of you at this stage of your life have made a final career decision. Not everyone will be a computer programmer, nuclear physicist or genetic engineer. Our society also needs teachers, artists, nurses, musicians, business managers, carpenters, accountants, loggers and fashion designers. The tools and techniques used in these careers will change, though, and we must be willing to learn the skills necessary to use them. We also need to learn the skills of personal relationships and leisure time activities.

The best advice for those of you who plan to pursue post-secondary training is to take as many solid academic courses as possible. The skills and knowledge you will need for post-secondary school and for your lifetime work involve mastery in reading, writing, communication and mathematics. Taking courses in English, mathematics, science, social studies and foreign language will enhance the value of your vocational courses as well.

Many students who are entering their senior year in high school have met the needed graduation requirements and tend to "take it easy". Please do not waste your senior year! Take advanced courses in your area of career interest and from the fine arts and academic electives. Above all, take courses that develop your learning skills, strengthen what you have learned previously, and reinforce good study skills and work habits. The best colleges seek risk-takers, not students whose prime objective is to protect their grade point average. Students unafraid of a low grade and willing to take a shot at the toughest high school courses are the type of freshmen that the nation's top colleges most vigorously recruit.

Whether you plan to go to a traditional college or a college of technology, join the military, or enter the work force, when you graduate from high school, we hope that each of you will accept a personal challenge to be all that you can be. If you never stretch, you will never know what you can reach.

ENGLISH

In order to keep class sizes even and to maximize the educational opportunities of all, students are randomly placed in English classes. While consideration is given to the desires of individual students, the primary consideration must be what will provide the best education for all students.

English 9

Grade: 9

1 year

1 credit

Freshman English units focus on the themes, conflicts, characters, and debatable issues that arise in the Coming of Age stories and situations – a subject that is relevant and relatable to students entering high school. Students will explore how an author's stylistic craft techniques and literary elements influence a reader. They will explore this as readers of short stories, nonfiction, novels, drama poetry and visual media. They will develop these techniques as writers of narrative fiction and nonfiction, analytical expository essays and argumentative position writing.

Honors English 9

Grade: 9

1 year

1 credit

English Department Honors / AP Policy:

- A summer reading assignment is REQUIRED for this course and will be factored into your first semester grade.
- **Schedule changes will NOT be made to release students from this course until the end of the first semester. Please sign up only if you are committed to the additional work an AP class requires.**
- Students must maintain a grade of "C" or higher or they may be removed from the English AP course of study.
- Students admitted to this course must have an A in their current English class OR a STAR reading score above or at proficient and a recommendation from their current English teacher.

This course functions as an introduction to the knowledge and skills essential for success in the AP and college-level curriculum. Focus will be placed on classic and contemporary literature, including Shakespeare, and contemporary American novels and non-fiction work. Students will develop critical analysis of literary works by crafting focused thesis statements and well-evidenced essays, learning the skill of integrated analysis. Technology is an essential part of the course and will be incorporated in a variety of ways including the use of Google Apps. Students will learn to annotate text and will fine tune public speaking skills in presentation including rhetorical debate. Summer reading is a required prerequisite for this course.

English 10

Grade: 10

1 year

1 credit

Sophomore English units of study focus on the concepts of culture and community; they examine how these influences shape identity and perspective. The readings cover many genres including letters, short stories, novels, drama, poetry, and visual media. Students are introduced to literary concepts and will write narrative, analytical, and persuasive essays about incidents in their own lives as well as about themes, characters, contexts, and ideas from the readings.

Honors English 10

Grade: 10

1 year

1 credit

English Department Honors / AP Policy:

- A summer reading assignment is REQUIRED for this course and will be factored into your first semester grade.
- **Schedule changes will NOT be made to release students from this course until the end of the first semester. Please sign up only if you are committed to the additional work an AP class requires.**
- Students must maintain a grade of "C" or higher or they may be removed from the English AP course of study.
- Students may be required to obtain a recommendation from their previous English teacher.

Students are required to participate in the summer reading program. Be sure to get the reading list and summer assignment.

Instructional Philosophy: To provide a learning environment for the advanced study of literature and writing, a learning community with rigorous expectations dedicated to guiding students to develop as socially responsible learners who strive for excellence.

Much of the course content will focus on multi-cultural and world literature. Thematic units connect and synthesize texts including fiction, nonfiction, poetry and media aimed at exposing students to works of literary merit from multiple perspectives and cultures. Overarching themes include tolerance, perspective and culture. Emphasis is placed on refining close-reading skills and analysis of purpose and meaning. Depth of study is prioritized over a large survey of information. Examination of ideas and theme, along with analysis of rhetorical choices, will lead to informed discussion on impact of works on individuals and culture. Students will evaluate the interactions among a writer's purpose, audience expectations, and subjects. Also introduced are the way conventions and language contribute to the effectiveness in writing.

Literary criticism and analysis, synthesis of multiple sources, allusion, and examination of A.P. multiple choice questions, academic vocabulary, composition and assessment of writing will be covered. In addition, practice producing timed writing will be included.

English 11

Grade: 11

1 year

1 credit

Junior English units of study focus on American fiction and nonfiction, using literary and other texts to present the iconic idea of the American Dream. Students research historical and contemporary texts as they articulate the origins and impact of the ideals and realities of the American Dream on life today and on personal thinking. Writing in a variety of modes—personal essays, opinions and editorials, credos, reflective self-evaluation, speeches, satire, dramatic scripts, surveys, literary analyses, and research projects—students expand their skills in communicating through written and spoken language.

AP Language & Composition

Grades: 11 & 12

1 year

1 credit

Prerequisite: None

English Department AP Policy:

- A summer reading assignment is **REQUIRED** for this course and will be factored into your first semester grade.
- Schedule changes will **NOT** be made to release students from this course until the end of the first semester. **Please sign up only if you are committed to the additional work an AP class requires.**
- Each quarter, students must maintain a grade of “C-” or higher or they may be removed from the English AP course of study.
- Students may be required to obtain a recommendation from their previous English teacher.

Students are required to participate in the AP Summer Reading Program prior to taking the course. See your AP instructor for the summer reading list, the assignments and the parent-student commitment form. Forms must be signed and turned in with registration for the course

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of rhetoric through reading, analyzing and writing texts as they explore topics like rhetorical situations, claims and evidence, reasoning and organization, and style. This course covers primarily non-fiction reading and writing. Students who enroll in this class will be required to complete all course work regardless of whether or not they are taking the AP exam in May; however, students are encouraged to take the exam. Students must maintain a C grade or better in order to remain in the class at semester. This course counts towards one of four years of required English credits.

English 12

Grade: 12

1 year

1 credit

Senior English uses the driving theme of Perspective to provide a capstone experience for students who are nearly ready to continue reading, writing, and thinking past the high school level. As such, it focuses not only on benchmarks for college readiness, like traditional analysis of written, oral, and visual works, but also practical skills to prepare students to become responsible and critical producers and consumers of communication. In particular, the course examines topics such as intercultural perspectives, past and present influences on and by the English language, and rhetorical devices. Myths, novels, dramas, short stories, poems, and memoirs will be studied through several critical and philosophical lenses, providing rich opportunities for students to develop an appreciation of ways literature reflects and comments on a range of experiences, institutions, and social structures. Additionally, students will read and analyze rhetorical elements and their effects in nonfiction texts--including images as forms of text--from a range of disciplines and historical periods. Students will examine the choices writers make and the techniques they utilize to achieve purposes and generate meaning, as well as practice the development and revision of evidence-based analytical and argumentative writing and speaking as they compose and revise; evaluating, synthesizing, and citing research to support their arguments.

Technical Writing

Grade: 12

2nd sem.

.5 credits

Prerequisite: Teacher Approval

Technical writing is an alternative course to 12th grade English. In this course, 12th grade welding students are given the opportunity to read and write technically. Students produce instructive, informational, and persuasive documents based on well-defined and achievable outcomes. Technical documents are precise, concise, organized, and based on complex information. The purpose and target audience of each document determine the style that an author chooses, including document layout, vocabulary, sentence and paragraph structure, and visuals, among other factors. To this end, this course will teach processes for analyzing writing contexts and producing effective, clean, and reader-centered documents in an efficient manner. Participants gain an understanding and knowledge of genres such as reports, feasibility studies, proposals, and specifications. Participants will construct a logical outline of a technical document; write with awareness of expository techniques such as definition, classification, and causal analysis; and design an effective format and layout with the potential for technical publication. The course is designed to allow students to practice communication skills that they will take into the outside sector and use within their chosen vocation.

A.P. Literature and Composition

Grade: 12

1 year

1 credit

English Department AP Policy:

- A summer reading assignment is **REQUIRED** for this course and will be factored into your first semester grade.
- Schedule changes will **NOT** be made to release students from this course until the end of the first semester. **Please sign up only if you are committed to the additional work an AP class requires.**
- Each quarter, students must maintain a grade of "C-" or higher or they may be removed from the English AP course of study.
- Students may be required to obtain a recommendation from their previous English teacher.

Students are required to participate in the AP Summer Reading Program prior to taking the course. See your AP instructor for the summer reading list, the assignments and the parent-student commitment form. Forms must be signed and turned in with registration for the course.

This advanced literature course will engage students in careful reading and analysis of a challenging set of literary works from a range of genres including the novel, short story, poetry and drama. The focus of the course will be on intensive reading and discussion of the literature, as well as introducing secondary, supplemental critical essays for discussion and evaluation. Emphasis will be placed on thoughtful and cogent analysis of the readings using a variety of theoretical frameworks and devices. The course is intended to provide students with an academic experience parallel to that of a college level literature course. This course will also include a writing component that focuses on expository, analytical and argumentative writing about the literature through both discussion and essay format. Students are expected to be active readers as they analyze and interpret textual detail, establish connections among their observations, and draw logical inferences leading toward an interpretive conclusion.

This course also prepares students who do the entire course work for the Advanced Placement Literature and Composition Exam administered each May. Students will read, write and discuss poetry, fiction, and drama at an advanced college level while using online resources to develop skills including sophisticated use of literary elements and terminology, close readings of various texts, creating, drafting, and editing college-level analytical essays, preparing and writing timed essays, and advanced use and mastery of language.

NOTE: Students are encouraged and expected to take the College Board AP exam at the end of the course. Successful completion of the AP exam may result in preferential admittance, college credit, advanced placement or the waving of an introductory college literature course depending on the policies of the college of their interest. Each institution of higher education determines how it will treat the successful completion of the AP exam, and it is the student's responsibility to research those policies.

Introduction to LiteratureFVCC Dual credit (LIT 110)****

Grade: 12

1st Sem.

.5 CFHS credit

3 FVCC college credits

This introductory course focuses on the reading, enjoyment, and critical analysis of short stories, poetry, and drama. Students will read world literature, as well as works of the American West, contemporary dramatists, minority writers, and works focusing on the lives of immigrants, expatriates, and first-generation Americans. This course counts towards humanities credits at the college level. This course also counts for a semester of senior core English required for graduation.

College Writing **FVCC Dual Credit (Writing 101)**

Grade: 12

2nd sem.

.5 credit

3 FVCC college credit

Prerequisite: Students must pass the FVCC entrance-writing test the previous spring or have an equivalent ACT writing score. Students must have a C- or higher from either English 12 or Introduction to Literature.

This is a core writing class for all college majors. The course is designed to provide instruction and critical feedback in argumentative, persuasive, analytical and narrative writing. The course will also include supplementary nonfiction texts. A classroom instructor teaches this course. This course also counts a half semester of senior core English required for graduation

English Electives

Reading 9

Grade: 9

1 year

1 credit

Required of students not reading at grade level.

Designed to help struggling readers, this class brings students up to grade level reading, which directly affects success in all other subjects. This class uses research-based instructional methods and is designed to advance the student as quickly as possible. Enrollment in the class is based on standardized test scores, individualized tests, and teacher recommendation. Preference is given to freshman. This class does not earn English credit but does earn elective credit.

Yearbook & Media Design

Grades: 9, 10, 11, 12

1 year

1 credit

Prerequisite: Teacher's Recommendation and approval is required and class is limited to 15 students (priority given to upperclassman). Student must submit a cover letter to be accepted for the course.

This class will produce the Wildcat Yearbook. Students should be prepared to spend a number of extra-curricular hours working with local businesses, selling advertisements to support the yearbook, and selling the yearbooks on a regular basis. Students will be required to attend several sporting events to take photographs. Photography principles of composition, lighting, and post-processing will be covered. This course will introduce students to various approaches to graphic design. Students will become familiar with Adobe Illustrator, Photoshop, and other web based options. Students will be expected to work as a group and take charge of certain aspects of production. Students need to be aware that they are required to spend extracurricular time to meet deadlines. This is a great course for the student that is motivated, reliable, and able to meet deadlines. ***An activity pass is required for this course. This course qualifies as an English Elective and not an English Credit.***

GENERAL ELECTIVES

Independent Studies

Grades: 10, 11, 12

1st or 2nd sem. .5 credit

This opportunity is for students who wish to build their own area of study at the high school. Students will need to find a supporting teacher as their mentor. Independent Studies can be a student-centered curriculum or students can elect an online option (minimum of one IND Study each year; special cases may petition).

Job Internships

Grades: 11 & 12

1st or 2nd sem .5 credit

This capstone experience gives students the opportunity to gain real world job skills in their preferred career field before graduating high school. Students will be supported by a CFHS faculty member, and students must log their experience as they work towards a determined project, skill or outcome. Job internships are available to individuals who complete a defined career pathway at CFHS, and who apply and are accepted. Students must be enrolled in or have completed the pathway capstone course to be eligible to apply. Not all applicants will be placed.

Job Externships

Grades: 11 & 12

1st or 2nd sem. .5 credit

This experience allows students the opportunity to explore a specific career interest while gaining relevant job experience and high school credit. These opportunities are not limited to the defined pathways at CFHS like a job internship is, and instead can be explored in any area relevant to the student's interests. Externships are supported by a CFHS faculty member, and students must log their experiences and projects they complete. Externships are available by application only, and not all applicants will be placed.

FINE ARTS

ART

Intro to 2-D Art

Grades: 9, 10, 11, 12

1st or 2nd sem. .5 credit

2-D Art is a semester-long course designed to teach the elements and principles of design through basic drawing and painting. Students will learn to use a variety of art mediums, techniques and tools in order to enhance the art making process. They will also learn the language of art and will gain skill to create interesting and expressive compositions of their own. Students will study a range of art works from a historical perspective and learn to interpret their meaning and significance. Students will create a sketchbook to use throughout the semester for note taking, sketching and assignments.

Intro to 3-D Art

Grades: 9, 10, 11, 12

1st or 2nd sem. .5 credit

3-D Art is a semester-long course that will introduce the principles of sculpture through a variety of sculptural intents and themes. Students will use problem-solving skills to create relief as well as 3-D works using a variety of mediums such as clay, wire, paper mache, metal, wood and found objects. Students will learn the language of art and will gain skills to create interesting and expressive sculptures. Students will study a range of artworks from a historical perspective and learn to interpret meaning and significance. Students will use a sketchbook for note-taking, sketches, and assignments. This course is a requirement for Ceramic Foundations and Ceramic Studio.

Ceramics Foundations

Grades: 10, 11, 12

1st sem. .5 credit

Prerequisite: Intro to 3-D Art

This course will provide a basic foundation in the fundamentals of pottery. Students will learn about the composition of clay, the process of using it to create art, and firing techniques. Students will become familiar with the many glazes and tools that potters use. Students will maintain a sketchbook to generate ideas, plan, and document their work. The elements and principles of art and art history will be incorporated into all of the pottery projects. This is a great class for students that like to use their hands, want to become one with the clay, and construct things. This class is limited to 20 students.

Ceramics Studio

Grades: 10, 11, 12

2nd sem.

.5 credit

Prerequisite: Intro to 3-D Art

This course will build on the basic construction methods for creating pottery. Students will work independently on projects centered on different themes and ideas that emphasize hand-building techniques. Students will experience creating wheel thrown vessels as well. Students will maintain a sketchbook to generate ideas, plan, and document their work. The elements and principles of art and art history from a contemporary perspective will be incorporated into all of the pottery projects. This is a great class for students that like to use their hands, sculpt, and be creative. Class size limited to 20 students.

Advanced Ceramics 1 & 2

Grades: 11, 12

1st or 2nd sem.

.5 credit

Prerequisite: Ceramic Foundations and/or Studio

These semester long courses will build upon student's prior ceramics experience and they continue learning new ways to communicate ideas through the medium of clay. Student will learn advanced clay and glass fusing techniques, coupled with the Principles and Elements of Art and Design, to strengthen their skills in critical thinking, problem solving, and personal expression. Students will demonstrate their knowledge through the creation of their clay pieces, critiques, and written evaluations. Students will be required to maintain a sketchbook during this course. Class size limited to 20 students.

Drawing Elements

Grades: 9, 10, 11, 12

1st sem.

.5 credit

Drawing Elements explores the fundamentals of drawing. Students will practice drawing from observation, mark making techniques, one point perspective, and shading. Graphite, charcoal, and pen & ink will be the focus of this class. Students will utilize a sketchbook for note taking, sketching, and assignments. This is a beginner level course designed to meet the needs of all students interested in the visual arts. Students who wish to continue an art path should consider taking Drawing Elements their freshman or sophomore year.

Advanced Drawing

Grade: 9, 10, 11, 12

2nd sem.

.5 credit

This semester long course teaches advanced drawing methods. The class will focus on portraiture, color pencil, mixed media, pastel, illustration, and art criticism. Students will utilize a sketchbook for note taking, sketches, and assignments. This class is designed to be a continuation of Drawing Elements. It is recommended, but not required to take Drawing Elements first.

Painting Elements

Grades: 10, 11, 12

1st sem. .5 credit

Prerequisite: Intro to 2-D Art, Drawing Elements or Advanced Drawing

Painting Elements is an intermediate class designed to teach the fundamental techniques of painting and color theory. The course will primarily focus on tempera and acrylic paint. Students will utilize a sketchbook for note taking, sketches, and assignments. Students are required to complete or be currently enrolled in a semester of Intro to 2-D Art, Drawing Elements or Advanced Drawing before taking this class.

Advanced Painting

Grades: 10, 11, 12

2nd sem. .5 credit

Prerequisite: Intro to 2-D Art, Drawing Elements or Advanced Drawing

This semester long course will expand on painting through advanced methods and techniques in oil, watercolor and mixed media. The class will include research, writing, and portfolio development. Students will utilize a sketchbook for note taking, sketches, and assignments. Advanced painting builds on the course Painting Elements. It is recommended, but not required for students to take Painting Elements first.

Media Arts I – Intro to Media Arts

Grades: 9, 10, 11, 12

1st sem. .5 credit

This semester-long course offers an introduction to media arts. Students will learn the basic concepts of video editing, graphic design, photography, photo editing, animations, and other current applications in digital art.

Media Arts II

Grades: 9, 10, 11, 12

2nd sem. .5 credit

Media Arts II builds on the fundamentals of media arts (video editing, graphic design, photography, photo editing and animation). Projects will include creating portraits, storytelling, and self-expression with digital media. There will be a focus on student choice, working independently or in groups, research, and portfolio development. It is recommended, but not required to take Media Arts I first.

Printmaking

Grades: 9, 10, 11, 12

1st sem. .5 credit

Printmaking is a semester-long class for students interested in image making and sharing ideas. Students will learn to make multiple prints onto paper and fabric to create works of art as well as wearable pieces. Carve rubber and linoleum, etch plates, screen print, create mono prints, and try a variety of other experimental techniques. No prerequisite is required for Printmaking I and all levels of art ability are welcome. Class is limited to 20 students.

Mixed Media & Visual Journaling

Grades: 9, 10, 11, 12

2nd sem. .5 credit

Mixed Media and Visual Journaling is a semester-long course designed for art making with more than one medium or material to create a piece of art. Assemblages, collages, mixed media painting, and sculpture are some common examples of art using different media. Materials used to create mixed media art include, but are not limited to, paint, cloth, paper, wood and found objects. Creating a handmade journal will be a part of this course to be used for drawing prompts and reflection on assignments. Class is limited to 20 students.

MUSIC

BAND

Percussion Techniques

Grades: 9, 10, 11, 12

1 year 1 credit

Percussion Techniques is a beginning percussion ensemble class and is a prerequisite to the CFHS Percussion Ensemble and the CFHS Drum line. Students will work together on music composed for percussion ensembles, and individually on skills and techniques. Students will also work on music to perform with the concert band. Students need to be aware that this is not a drum-set class and that there are very specific requirements for passing the class. Class is limited to 18 students and all are welcome, including beginners. ***All percussionists are required to pay a \$20.00 non-refundable equipment usage fee.***

Concert Band

Grades: 9, 10, 11, 12

1 year 1 credit

Concert Band is open to intermediate musicians. They will work on developing technique, advancing rhythmic skills and improving sound quality. Attendance at all performances is mandatory.

Wind Ensemble

Grades: 9, 10, 11, 12

1 year 1 credit

Prerequisite: teacher approval

Wind Ensemble is open to advanced wind students through audition. Members of Wind Ensemble will perform more often than the other bands. A high level of commitment to this organization is necessary for both individual and group success. Instrumentation and membership will be limited and priority will be given 11th and 12th graders. Director approval required.

Columbians

Grades: 10, 11, 12

1 year

1 credit

Prerequisite: teacher approval

Columbians is a jazz ensemble open to advanced wind and rhythm section students through audition. Instrumentation and membership will be limited and priority will be given to 11th and 12th graders. Columbians will perform extensively throughout the year, including concerts, festivals and community events. **Membership in Concert Band or Wind Ensemble is required.** Director approval required.

Percussion Ensemble

Grades: 10, 11, 12

1 year

1 credit

Prerequisite: teacher approval

Percussion Ensemble is open to advanced percussionists through audition. Students will work together on music composed for percussion ensembles. Students will also work on the music to perform with Wind Ensemble and Symphonic Band. Percussion Ensemble will perform throughout the year for community events and concerts. Percussion Ensemble will perform as a drumline for Fall Sports and will do various performances throughout the year. This class is limited to 14 students. ***All percussionists are required to pay a \$20.00 non-refundable equipment usage fee.***

CHOIR

Troubadours Men: 9, 10, 11, 12

1 year

1 credit

Cantelina Women: 9, 10, 11, 12

1 year

1 credit

Troubadours and Cantelina are open to any student interested in singing! No previous experience is required. Students in these choirs will learn proper vocal production, ear training, and how to produce a good singing sound. We will prepare a wide variety of music to be presented at concerts throughout the year. Attendance at all performances is mandatory. Singing is a great way to relieve stress, learn about the world in a different way, and find community at CFHS. Everyone is welcome to come sing with us!

Columbia Chorale

Grades: 10, 11, 12

1 year

1 credit

Prerequisites: 1+ year HS Choir OR HS Band and audition with Instructor

This is the advanced large choir at CFHS, and admission is by audition only. Students in this performance-based class will prepare a wide variety of challenging repertoire, both accompanied and a cappella, to be presented at concerts throughout the year. Attendance at all performances is mandatory. Students may also have the opportunity to travel and perform at special events. Members of Columbia Chorale will have the opportunity to travel for the Western A Choral Festival and other enriching experiences. Audition will consist of range-checking, singing independently, matching pitch, displaying steady rhythm, and basic sight-reading. Please see the instructor for more details and to set up an audition.

Sonifers

Grades: 10, 11, 12

1 year

1 credit

Prerequisites: Audition with Instructor and enrollment in Columbia Chorale

This select ensemble features the most outstanding vocal musicians at CFHS and focuses on the performance of advanced accompanied and acapella repertoire. Mostly juniors and seniors will be in this group. Much of the musical focus is on jazz and acapella music. Admission to this group is by audition only. Members must also be enrolled in Columbia Chorale. This ensemble travels and performs more frequently than the other choirs and therefore demands a higher level of dedication and commitment. All performances are mandatory. Audition will consist of range-checking, singing independently, matching pitch, displaying rhythm, and sight-reading. Please see the instructor for more information and to set up an audition.

GENERAL MUSIC

Intro to Acoustic Guitar

Grades: 9, 10, 11, 12

1st sem.

.5 credit

This class is open to anyone who would like to learn or improve in playing Acoustic guitar. This course is for students who are brand-new to guitar or who are still learning to do timely chord changes. All students are welcome. We will cover the basics of playing scales, chords, strumming, and reading tabs. Students will work independently on music as well as in groups. Experience is not necessary, but if you are already playing that is great too. Students must supply their guitar.

Intermediate/Advanced Guitar

Grades: 9, 10, 11, 12

1st sem.

.5 credit

This class is for students who are very comfortable with playing guitar and/or have successfully completed a year of guitar at the high school level already. Students should be comfortable with all basic chords, chord changes, and major, blues, and pentatonic scales. Students should also be somewhat comfortable with barre chords. If you have questions on which class you would be more fitted to, please contact the instructor. Students must supply their own guitar.

Intermediate Guitar/Songwriting

Grades: 9, 10, 11, 12

2nd. Sem. .5 credit**Prerequisite: Instructor approval**

This class is designed as the second half of the intro to guitar course as well as other musicians to further their skills, technique and songwriting. Students will work independently as well as in groups. Students should be proficient in their instrument (guitar is a lead-in to this class, but a harmonic instrument such as ukulele or keyboard could work as well). Please see the instructor to make sure this class would be a good fit for you if you did not already take Acoustic Guitar.

Advance Guitar/Songwriting

Grades: 9, 10, 11, 12

2nd sem. .5 credit**Prerequisite: Instructor Approval Instructor**

This class is designed as the second half of the intermediate/advanced guitar course as well as for other more advanced musicians to further their skills, technique and songwriting. Students will work independently as well as in groups. Students should be proficient in their instrument (guitar is a lead-in to this class, but a harmonic instrument such as ukulele or keyboard could work as well). Please see the instructor to make sure this class would be a good fit for you if you did not already take Acoustic Guitar.

Electronic Music

Grades: 10, 11, 12

1st or 2nd sem. .5 credit

This class will cover the basics of making music on the computer. We will learn about synthesizers, drum machines, mixers, effects and mastering. We will study and create music based on Electronic Dance Music genres. Music will be created with an audio program called FL Studio. No prior experience is required, as this class will start at a beginning level and progress through more advanced techniques throughout the semester. This class is limited to 23 students.

All students in band and choir must have instructor approval for the band or choir they select.

WORLD LANGUAGES

The five-goal areas of the World-Readiness Standards for Learning Languages establish an inextricable link between communication and culture, which is applied in making connections and comparisons and in using this competence to be part of local and global communities. Data shows that students who earn a "D" or lower in a language course are not adequately prepared to meet these standards and therefore may not advance to the next language level or semester. A student who has earned a "D" grade, may use their Spanish course for an *elective credit*.

Spanish I

Grades: 9, 10, 11, 12

1 year 1 credit

Prerequisites: A "C" grade, or better, in English, with a strong grammar background is a good predictor of success in a world language. Students enrolling in world language classes should possess good note-taking skills, the ability to focus attention on instructors and in-class activities. In addition, students should have the time and interest to pursue a rigorous course of study, with homework almost daily.

Those students who have taken Spanish I at CFJH will progress directly Into Spanish II.

All Spanish courses are offered as a year-long class. Students may not enroll in a semester-by-semester basis. Initial emphasis is placed on introduction of the basic sound system, listening, understanding and conversation through the use of the text and other supplementary materials. Elementary grammar is introduced, as are basic history and culture through maps, reading and audio-visual aids. Students will hear Spanish spoken by the teacher at least 50% of the time, and are required to make an effort to use the Spanish language.

Spanish II

Grades: 9, 10, 11, 12

1 year 1 credit

Prerequisite: Completion of Spanish I with a C or better and teacher recommendation.

The second-year class increases the grammatical skills, while enriching vocabulary and putting more emphasis on listening, speaking, reading, writing and cultural knowledge. The course objectives are similar to Spanish I but within the parameters of a second-year student's interest level and ability. Students will be introduced to Latin American Culture as it relates to art, food, history and other diverse customs. Students will hear Spanish spoken by the teacher at least 75% of the time, and are expected to make an effort to use the language.

Spanish III

Grades: 10, 11, 12

1 year 1 credit

Prerequisite: Completion of Spanish II with a C or better and teacher recommendation.

This class aims to refine and add to the grammatical skills acquired in Spanish II while enriching vocabulary and putting special emphasis on speaking with facility, reading original works of literature and writing brief compositions. Cultural knowledge shall be expanded, exploring topics related to art, food, history and authentic Latin American culture. *An exception will be made for Freshman that meet placement test requirements and receive teacher recommendation.*

Spanish IV 101 & 102 **FVCC Dual credit (SPNS101/102)**

Grades: 11, 12

1 year

1.0

CFHS credits

Prerequisite: Completion of Spanish IV or three years of high school Spanish with an average grade of C or better. Instructor permission is required.

This course is for students interested in becoming fluent and **it is directed in Spanish**. The class is aimed at accelerating the proficiency of the students in areas of listening, reading, and language mechanics in Spanish. Our primary emphasis is to move beyond memorized vocabulary and grammar, while developing skills to communicate in a natural way and real life situations. Upon enrollment, **students are expected to communicate in Spanish at all times**, review, practice, and apply concepts learned in previous Spanish courses. This class is geared to **self-motivated** students who desire to be bilingual and further their post high school studies in foreign languages. This dual class will allow CFHS students to experience the challenge of a college level class, while earning dual credit. Topics in family and community, identity, history, science and technology, contemporary life, global issues, and art and aesthetics will be covered throughout each semester. (8 FVCC credits)

French I

Grades: 9, 10, 11, 12 (class is limited to 25 students)

1 year

1 credit

Prerequisite: A "C" grade, or better, in English, with a strong grammar background is a good predictor of success in a foreign language. Students must be highly motivated with a strong work ethic. Course requires involved participation for in-class activities. Regular attendance required.

This course for beginner students to advance to a novice middle to high level of proficiency. Students will develop vocabulary and grammar within the context of school, home life, family, food, preferences, and leisure activities. Students will develop proficiency in reading, writing, speaking, and listening. The course will also expose students to the diverse cultures of the French and Francophone world.

French II

Grades: 10, 11, 12

1 year

1 credit

Prerequisite: Completion of a full year of French I with a C or better.

This course for novice level students to continue developing their French language proficiency to a low-intermediate level. Students will develop vocabulary and grammar within the context of stories, media, art, films, history, songs, and current events. Students will make cultural connections and comparisons with the diversity of the French and Francophone world including current and historical events, traditions, aesthetics, identities, and customs. *This course will be taught in French.*

French III

Grades: 11, 12

1 year

1 credit

****This course will be taught in the same period as French II**

Prerequisite: Completion of full year of French I and II with a C or better and teacher approval

This course is for low-intermediate students to advance their proficiency in the areas of French language acquisition. Students will be able to discuss the future, express wishes, doubts, regrets, and needs, and articulate accounts of the past. Students will read and listen to a variety of French and Francophone media including news articles, stories, songs, art, literature, and films. Students will expand their vocabulary to study topics that may include current events, family and community, identity, history, science and technology, contemporary life, global issues, and art and aesthetics. *This course will be taught in French.*

French IV **FVCC Dual Credit** (FRCH101/102)**

Grade: 12

Prerequisite: Prerequisite: Completion of full year of French 1, 2, and 3 with a C or better and teacher approval.

This capstone class of the French program will have students expand their presentational and interpersonal speaking. Reading will include literature and current events from French news sources. Writing will expand to interpersonal and formal writing styles. Critical thinking will be developed in perspective taking, intercultural connections and comparisons, and analysis of media including news articles, stories, songs, art, literature, and films. Students will develop a capstone project that will require research, writing, listening, and speaking in French. Topics will vary in order to not be a repetition of previously taught content. *This course will be taught in French and with French II and III.*

HEALTH ENHANCEMENT

Health Enhancement 9G (Girls)	1 year	1	credit
Health Enhancement 9B (Boys)			
Health Enhancement 10G (Girls)	1 year	1	credit
Health Enhancement 10B (Boys)			

These classes run on an alternating schedule. Health lessons are held twice a week and fitness activities three times per week. Students will participate in a wide range of fitness and wellness building activities, while exploring and studying a variety of wellness topics and concerns in health. All aspects of the health enhancement program work toward an educated background for student decision-making and healthy lifestyles.

Health Electives

Fitness For Sports

Grades: 9, 10, 11, 12

1 year 1 credit

This is an advanced-level class for the serious athlete. Students will be expected to lift weights, do plyometrics, develop core strength, improve aerobic level and work on sport specific skills. This class cannot be taken in lieu of Health Enhancement.

Crossfit

Grades: 9, 10, 11, 12

Prerequisite: Teacher approval required

1 year 1 credit

This course offering will be a PE elective with a focus on multiple fitness concepts that include (Muscle Strength and Endurance, Cardiovascular Health, Agility, and Flexibility) . This is for the serious athlete who wants to improve in their sport or in athleticism. This course will focus on powerlifting, Olympic lifting, functional fitness, and high intensity cardio training. This course will also touch on nutrition and the impacts of how proper diet can enhance a person's overall fitness and performance. This will be for the advanced athlete with heavy emphasis placed on form when performing functional lifts as well as on improving strength, power, body composition and cardiac output. This class is limited to max. of 20 students. This class cannot be taken in lieu of Health Enhancement.

MATHEMATICS

Pre-Algebra

Grades: 9

1 year

1 credit

Prerequisite: Math Teacher Approval

This course focuses on the key concepts that provide a strong foundation in the essentials of Algebra. The emphasis is on practicing and maintaining skills, exploring applications of Algebraic concepts, applying concepts to real-world problems, and providing time to explore each concept thoroughly. Topics include: number sense review, solving and writing multi-step equations and literal equations, solving and writing inequalities, graphing linear equations, solving systems of linear equations, function exploration and graphing, as well as proportional reasoning and basic statistics. *Students will then take Algebra 1 the following year.*

Algebra 1

Grades: 9, 10, 11

1 year

1 credit

Prerequisite: Students will be placed in Algebra 1 based on diagnostic and screening test scores.

This is the initial college preparatory course. Traditional algebraic topics covered will include functions (linear and quadratic) and systems of equations. Also included will be strands from geometry, statistics and probability. Students will work within the real number system with emphasis on rational numbers utilizing problem-solving skills with graphing technology.

Practical Math

Grades: 11, 12

1 year

1 credit

Prerequisite: Math Teacher Approval and Algebra 1

**** Meets Financial Literacy Graduation Requirement****

**** This class does not meet MT State Standards of Geometry****

In this high school math course, students use math to solve real-world problems and to solidify their understanding of key mathematical topics. Students learn how to use several mathematical models involving Algebra and Geometry to solve problems through application. Key concepts include (not are limited to 2-D and 3-D area, surface area, volume, SOHCAHTOA, angle relationships, conversion/dimensional analysis, general statistics, probability, graphs of statistical data, finance, and budgeting. Upon successful completion of Semester 2 of this course, students will meet the State of Montana's Personal Finance graduation requirement. *Student could take Algebra 2 following this class.*

Geometry

Grades: 9, 10, 11, 12

1 year

1 credit

Prerequisite: Minimum of a C- in Algebra 1 or teacher approval *Junior High students completing Algebra 1 with a grade of B or above and with teacher approval

This is the second college preparatory course. Topics include the study of Euclidean, transformational, and coordinate geometry; two- and three-dimensional figures; and trigonometry. Also included will be strands from algebra, non-Euclidean geometry.

Algebra 2/Trigonometry

Grades: 9, 10, 11, 12

1 year

1 credit

Prerequisite: Minimum of a C- in Algebra 1 and Geometry

This is the third college preparatory course including intermediate algebra and intermediate trigonometry. The topics covered in this course include linear, quadratic, rational, logarithmic, polynomial functions, exponential, and trigonometric functions within the real and complex number systems. Also included are strands from statistics, and discrete math.

Technical Math **FVCC Dual Credit (M114)**

Grade: 12

1 year

1 credit

Prerequisite: appropriate placement test score and Math Department consent. Students can test out of 1st semester if enrolled in the Welding Certification Program.

This course presents mathematical topics as they are applied in a trades program. Topics covered include use of measuring tools, measurement systems and dimensional analysis, basic algebra topics, scientific notation, applied geometry, right and oblique triangle trigonometry, and exponential and logarithmic formulas. *This class is intended for specific certification programs, and is not a college prerequisite math course (2nd semester - 3 FVCC credits).*

Pre-Calculus

Grades: 11, 12

1 year

1 credit

Prerequisite: Algebra 2/Trigonometry

This is an advanced pre-calculus course. The course is intended for students planning to pursue AP Calculus or college level calculus courses. Topics covered will include logarithmic and exponential functions, trigonometric and circular functions, identities and inverses and their applications. The concept of limits is applied to rational functions and to discrete functions such as infinite sequences and series. The class will be taught using TI-84 Plus calculators.

AP Calculus

Grades: 11, 12

1 year

1 credit

Prerequisite: Pre-calculus

This is an Advanced Placement Calculus course that will include an in-depth look at differential and integral calculus and is a college preparatory course. We will use technology to help develop a conceptual understanding of the key elements in calculus. Students are encouraged to purchase a graphing calculator with calculus functions TI-84 Plus for use on the AP Exam. The class is taught using a TI-84 Plus.

NOTE: Students are encouraged to take the College Board AP exam at the end of the course. Successful completion of the AP exam may result in preferential admittance, college credit, advanced placement or the waving of an introductory college course depending on the policies of the college of their interest. Each institution of higher education determines how it will treat the successful completion of the AP exam, and it is the student's responsibility to research those policies.

Probability/Linear Math and Statistics **FVCC Dual credit (M115/STAT216M)**

Grades: 11, 12

1st sem.

.5 credit

Prerequisite: Students must pass the FVCC entrance test the previous spring.

First semester, this course will apply mathematical reasoning and problem solving. Topics covered include operations in the real number system, linear functions, exponential functions, dimensional analysis, concentration calculations, proportional reasoning, introductory statistics (including basic regression analysis), and introductory probability concepts. (3 FVCC credits)

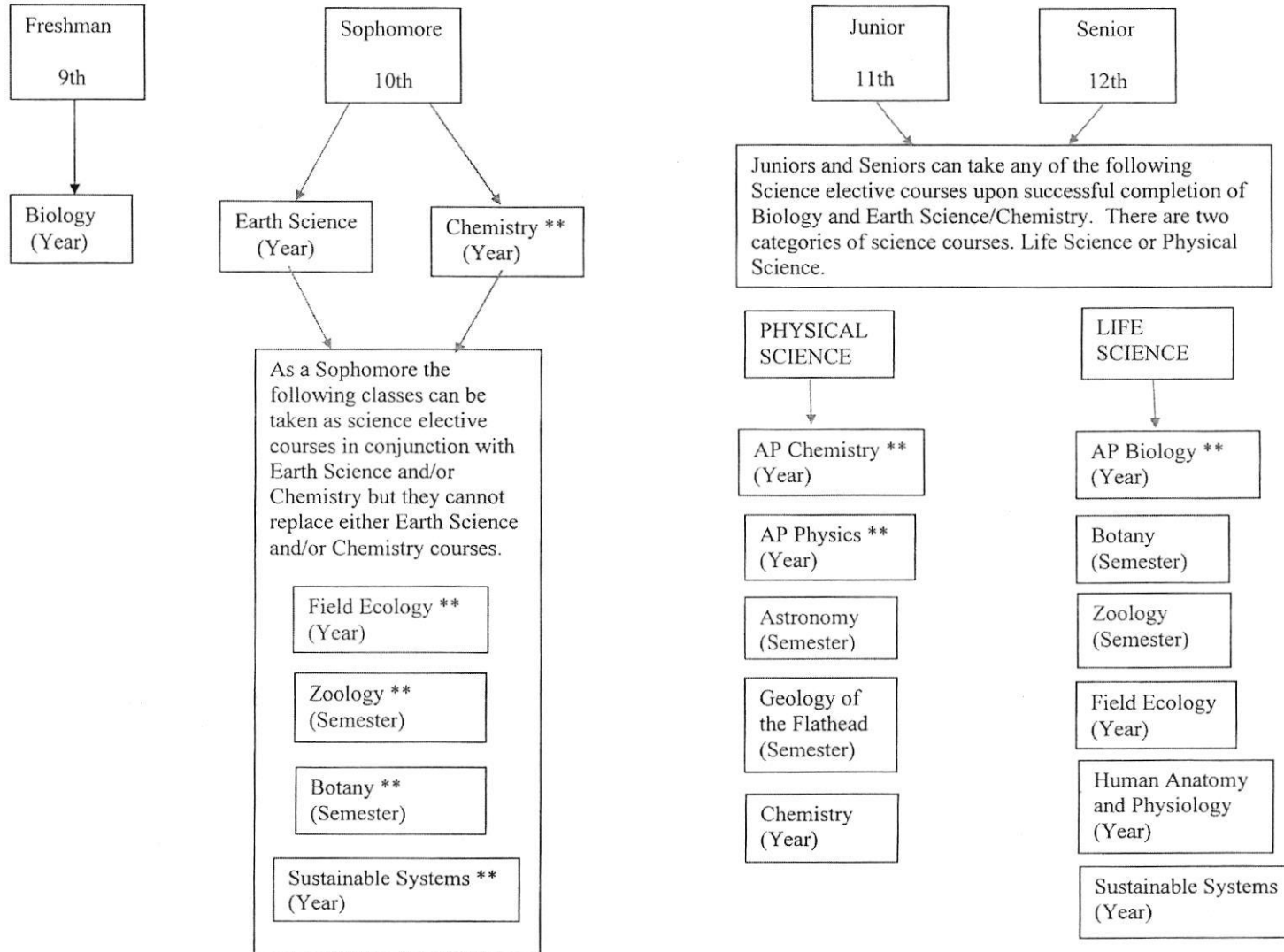
2nd Semester Prerequisite: Must take 1st semester & pass with a C or better

2nd sem.

.75 credit

Second semester, this course covers graphical methods, measures of location and dispersion, probability, commonly used distributions, estimations, and tests of hypothesis through analysis of variances are introduced. This course is important for any student planning to take a College Algebra, College Pre-Calculus or a College Statistics class. (4 FVCC credits)

CFHS SCIENCE COURSE OFFERINGS
An ** indicates Science Teacher approval



SCIENCE

Biology

Grade 9 (required)

1 year

1 credit

A study of living organisms (plants, animals, microscopic organisms) emphasizing a cellular approach. Through this class students will investigate cellular structures, functions, maintenance, growth, development, genetics and classification of organisms. We try to make students understand that Science is a way of knowing, a way of explaining the natural world through observations, questions, and experiments. Science is understanding humans and the world around us. This begins with matter that forms our bodies and the energy that powers life's processes.

Earth Science

Grade 10 (required), 11 & 12 (as needed)

1 year

1 credit

Earth Science studies the Earth, its physical processes, and its relationship to the solar system. Earth Science is an approach to viewing Earth through many different interconnected systems. Students will learn physical sciences describing the systems that continually shape and change the Earth with investigative study. Earth Science includes the following topics: Introduction to basic Chemistry and Physics, Scientific Methodology, Minerals, Rocks and the Rock Cycle, Plate Tectonics, Volcanism, Mountain Building, Geologic Time, Weathering, Soils, Erosion, Deposition, Glaciation, Water Cycle, Surface Water Systems, Ground Water Systems, Atmosphere, Weather and Climate, and the Solar System.

Chemistry

1 year

1 credit

Grades: 11 & 12 (10 with instructor approval see criteria below) **Prerequisite:**
2 years of Science credit

If you are in 10th grade you can take chemistry only if you meet one of the two following criteria: 1.) 10th graders in Algebra 2 AND Earth Science 2.) 10th graders in the top 10% of their class and also enrolled in Algebra 2. (If you meet criteria 2 you do not have to take Earth Science.)

Chemistry is designed for those students going to college and need an in-depth rigorous background in chemistry. It is intended to prepare students who are planning on science related studies that would include: pre-medical (pre-med, pre-vet, pre-dentistry), engineering, science research, and environmental studies. A strong background in mathematics is suggested. Emphasis will be on calculations and theoretical chemistry as well as design of and performance of lab experiments. Students who complete this course will be allowed to take AP Chemistry in following years.

AP Chemistry

1 year

1 credit

Grades: 11 & 12

Prerequisite: Chemistry, Algebra2/Trig

The AP Chemistry course is designed to be the equivalent of the general chemistry courses usually taken during the first college year. For some students, this course enables them to undertake, as college freshmen, second-year work in the chemistry sequence. Students in AP Chemistry will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. Students in AP Chemistry must be prepared to conduct laboratory experiments equivalent to that of a typical college course. AP Chemistry is designed to be taken only after the successful completion of the first- year chemistry course.

NOTE: Students are encouraged to take the College Board AP exam at the end of the course. Successful completion of the AP exam may result in preferential admittance, college credit, advanced placement or the waiving of an introductory college course depending on the policies of the college of their interest. Each institution of higher education determines how it will treat the successful completion of the AP exam, and it is the student's responsibility to research those policies.

AP Biology

Grades: 11 & 12

1 year

1 credit

Prerequisite: Biology or Chemistry or Zoology/Botany or Anatomy and Physiology

This course will involve an in-depth study of Biochemistry, Cytology, Respiration Photosynthesis, DNA and Chromosomes, and Genetics. Students will complete 12 Advanced Placement biology labs in the areas of Diffusion and Osmosis, Enzyme Catalysis, Mitosis and Meiosis, Plant Pigments and Photosynthesis, Cell Genetics, Molecular and Mendelian Genetics.

NOTE: Students are encouraged to take the College Board AP exam at the end of the course. Successful completion of the AP exam may result in preferential admittance, college credit, advanced placement or the waiving of an introductory college course depending on the policies of the college of their interest. Each institution of higher education determines how it will treat the successful completion of the AP exam, and it is the student's responsibility to research those policies.

AP Physics I

1 year

1 credit

Grades: 11 & 12

Prerequisite: Algebra 1 and Geometry (AP Physics 1 does involve some basic trigonometry concepts from Algebra II, but students could take AP Physics 1 concurrently with Algebra 2).

AP Physics 1 is an algebra-based introductory course in physics (no previous knowledge of physics is required). The course will cover fundamental physics concepts including kinematics, Newton's Laws, circular motion, simple harmonic motion, work, energy, momentum, electrostatics, DC circuits and mechanical waves.

Zoology

Grades: 10 (with instructor approval), 11 & 12

1st sem. .5 credit

Prerequisite: 2 years Science credit

NOTE: Cannot be substituted for

Grade 10 requirement of Earth Science

Zoology discusses the branch of biology that deals with animals and animal life, including the study of the structure, physiology, development, and classification of animals. Some of the topics discussed include the classification of animals, invertebrates, including fishes, amphibians, reptiles, birds, and mammals. Student should expect daily homework load as well as dissections, projects, quizzes, tests, and laboratory write-ups. Laboratory and outdoor experiences complement classroom activities. A high level of understanding in problem solving and the scientific methods is necessary for success in this course.

Botany

2nd sem. .5 credit

Grades: 10 (with instructor approval), 11 & 12

Prerequisite: 2 years of Science Credit

NOTE: Cannot be substituted for Grade 10 requirement of Earth Science

Botany is the scientific study of plants and their relationship to the environment. In this course, students investigate the growth, reproduction, anatomy, physiology, taxonomy, genetics, and laboratory write-ups. Laboratory and outdoor experiences complement classroom activities. A high level of understanding in problem solving and the scientific methods is necessary for success in this course.

Field Ecology

Grades: 10 (with instructor approval), 11, 12

1 year 1 credit

Prerequisite: 2 years of Science credit

NOTE: Cannot be substituted for Grade 10 requirement of Earth Science

Field Ecology is a full-year, 2-semester elective course. The goal of Field Ecology is to provide students with the scientific principles, concepts, and methodologies required to work in and have a positive impact on the Natural World. Students will engage and work actively with resources and alongside professionals at a local level, as well as within the beauty and Natural Environment of Glacier National Park. Field Ecology will embed the use of up-to-date technology such as Geographical Information System (GIS) which is a system of storing, analyzing, mapping data and geographical features. Field Ecology is interdisciplinary and embraces a wide variety of topics from different areas of study while bringing together common themes in science such as: science as a process, energy conversions, interconnected ecosystems, and environmental problems to name a few. This is a field course and students will be required to participate fully in all field trips and projects. A hands-on approach and collaborative environment will be encouraged and expected in all learning activities.

Geology of the Flathead

1st sem. .5 credit

Grades: 11 & 12

Prerequisite: 2 years of Science credit, Earth Science

NOTE: Cannot be substituted for Grade 10 requirement of Earth Science

Geology of the Flathead is a one semester elective course. This course is an in-depth study of the Earth's physical processes that shape the Flathead Valley, Mission Valley, Glacier National Park, and other surrounding areas. This course applies information learned in Earth Science about glaciation, surface water, ground water, mountain building, earthquakes, and rock/minerals to understand features and land uses of our region. This course has a field component that includes site visits to see and observe how geologic forces shape the Earth, and how human land use (agriculture, energy production, water consumption, mineral extraction, habitations) is tied to the geology of a region.

Astronomy

Grades: 11 & 12

2nd sem. .5 credit

Prerequisite: 2 years of Science credit, Earth Science

NOTE: Cannot be substituted for Grade 10 requirement of Earth Science

The purpose of this course is to enable students to develop and apply knowledge of the universe and compare the conditions, properties and motions of bodies in space. Emphasis shall be placed on concepts basic to earth. Including materials, processes, history, and the environment.

This course introduces you to the composition and structure of the universe. Astronomy is the scientific study of the conditions, properties, and the motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, and stars.

Human Anatomy and Physiology

1 year 1 credit

Grades: 11 & 12

Prerequisite: 2 years of Science credit

Human Anatomy and Physiology is a laboratory-based course that investigates the structure and function of the human body. Topics covered will include the basic organization of the body; biochemical composition; and major body systems along with the impact of diseases on certain systems. Students will engage in many topics and competencies related to truly understanding the structure and function of the human body. Working from the topics of basic anatomical terminology to the biochemical composition of the human body, all the way into great detail of each of the major systems for the body, student will learn through group work, projects, and labs. High levels of achievement will be in effect. Students will be responsible for proper use of lab equipment, written assignments, and projects assigned throughout each unit. One of the goals of this course is to prepare students with the skills necessary to be successful in future science classes in college.

SOCIAL STUDIES

Global Studies

1st sem. .5 credit

Grades: 9, 10, 11, 12

This course is designed to strengthen student knowledge and skills in the study of both human and physical geography. Each semester will focus on the study of various regions of the world applying the five themes of geography while exploring the culture, history and geopolitics of those regions, including current events shaping the region today. Throughout the course students will develop their critical thinking skills, effective literacy skills and social and communication skills for success in high school and post-secondary education.

Current Issues

2nd sem. .5 credit

Grades: 9, 10, 11, 12

This course examines the process of making public policy at the local, state and federal level of government as well as current issues confronting the nation and the world. Specific problems associated with public policy and issues that impact individuals will be the focus. Local, state, domestic and foreign policy issues will be the focus of the course, specifically what is trending in these areas at this time. This course prepares the students to actively participate as informed citizens of the United States as well as emphasizing the development of inquiry and analysis skills. Multiple resources will be applied in the course and as many forms of media as are available will be applied as materials in the course.

Modern World History

1 year 1 credit

Grades: 10, 11, 12

Modern World History examines major turning points in the shaping of the modern world, from the late 15th century to 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.

Practical Law - Criminal

1st sem. .5 credit Grades: 11, 12

The introduction to the Law and Legal system, students will explore such topics as: What is Law? How are laws made in the various branches of government? How is our legal system organized, including the difference between trials and appeals and between the state and federal court systems? Other topics include: criminal law, the criminal justice process, and the juvenile justice system.

Practical Law - Civil2nd sem. .5 credit

Grades: 11, 12

Students will be introduced to torts or civil laws with the understanding that the primary goal of civil law is not to punish but to protect people by helping them avoid problems and resolve disputes. Students will learn about the process in which civil law cases are resolved through the court system, negotiation, mediation and lawsuits. Students will also explore various topics as consumer law and housing law and how these laws are applied to everyday life.

United States History

1 year 1 credit

Grade: 11

United States History is a consideration of the ideas, the people, the places, and the things, which have combined to make the American Nation what it is today. It includes a continuing evaluation of how these aspects of the past are related to situations of the present that will influence the future.

AP United States History

1 year 1 credit

Grade: 11

APUSH focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. History for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and method (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; American in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places. (Adapted from the College Board)

APUSH is designed to be the equivalent of a two-semester introductory college or university U.S. History course. Its pace can be challenging, because the course's content must be finished in April for AP exams in early May. Students will have to demonstrate their mastery of essential skills and content on college-level exams and essays.

NOTE: Students are encouraged to take the College Board AP exam at the end of the course. Successful completion of the AP exam may result in preferential admittance, college credit, advanced placement or the waving of an introductory college course depending on the policies of the college of their interest. Each institution of higher education determines how it will treat the successful completion of the AP exam, and it is the student's responsibility to research those policies.

Introduction to Psychology

1 year

1 credit

Grades: 11 & 12

Psychology is defined as the scientific study of mental processes and behavior. While most people think psychology is primarily about clinical issues such as psychological disorders, this makes up only a small part of the field. This course is a broad introduction of psychological terms, facts and principles designed to aid you in understanding individual behavior. Behavior is analyzed and interpreted through a survey of the various areas of psychology, including, but not limited to: brain and behavior, sensation and perception, motivation and emotion, intelligence, personality, principles of learning, disorders and breakdown. One of the best aspects of psychology is that you are the subject matter. This makes it possible to do many demonstrations that allow you to experience the topic under study.

American Government

1 year

1 credit

Grade: 12

American Government is an academic study of the foundations and workings of the American political system, focusing primarily on the national level of government. Emphasis is placed on origins of American government and the organization and functions of the branches of the federal government as well as the freedoms entitled to Americans through the Constitution. Federalism and other aspects of the American government including interest groups, political parties, votes and voting behavior, the electoral process, civil liberties and civil rights will also be discussed. The assignments, projects and lectures in this course are designed to enhance students' ability to think critically about politics, political institutions and political choices. Students will read and discuss current events, non-fiction, and primary source documents to deepen their understanding of the U.S. government and politics.

AP American Government & Politics

1 year

1 credit

Grade: 12

This course is intended for college-bound students. It provides an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics.

NOTE: Students are encouraged to take the College Board AP exam at the end of the course. Successful completion of the AP exam may result in preferential admittance, college credit, advanced placement or the waving of an introductory college course depending on the policies of the college of their interest. Each institution of higher education determines how it will treat the successful completion of the AP exam, and it is the student's responsibility to research those policies.

Montana History1st sem.

.5 credit

Grades: 10, 11, 12

This course is designed to strengthen student knowledge in the rich history of the Treasure State. The course will cover a wide spectrum of the state's history: Exploration, the Fur Trade, the Mining Frontier, Indian Removal, Stockmen and the Open Range, Railroads, Silver, and Statehood, Copper and Politics, 1880-1910, and the Homestead Boom, 1900-1918. The course will also cover contemporary issues both local and regional. Students will develop a broad understanding of the political, social and economic transformation of the state of Montana. Students will be expected to read various articles, novels, and other Montana based literature.

Native American Studies2nd sem.

.5 credit

Grades: 10, 11, 12

This course is designed to strengthen student knowledge of the Plains Indians, their culture, traditions and challenges they faced during westward expansion. A strong emphasis will be based on the theme of the "Clash of Two Cultures" and the problems that occurred in the inevitable conquest of the west between white settlers and natives. The course will also concentrate on the native tribes that are local to the state of Montana, their traditions and contemporary issues both positive and negative that face the native people of Montana today. Students will be expected to read various articles comparing and contrasting controversial issues, make presentations and do considerable research work.

VOCATIONAL ARTS

Business and Computer Science

Computer Essentials Foundations

Grades: 9, 10, 11, 12

1 year

1 credit

Prerequisite: Teacher Approval

***Students must complete the entire year of Computer Essentials – Foundations to meet the graduation requirement.*

Computer Essentials Foundations will include learning how to keyboard. It will be a Windows based course using Microsoft Office. You will learn to format documents, organize and calculate data, create graphs and charts, create dynamic on-screen presentations, and learn desktop publishing. You will explore career and college options as well as learn about Internet Safety.

Computer Essentials

Grades: 9, 10, 11, 12

1st or 2nd sem.

.5 credit

Prerequisite: Keyboarding a minimum of 30 words per minute.

Computer Essentials will be a Windows based course learning Microsoft Office. You will learn to format documents, organize and calculate data, create graphs and charts, create dynamic onscreen presentations, and learn desktop publishing. You will explore career and college options as well as learn about Internet Safety. This course will include the use of G-mail accounts.

Computer Applications

Grade: 9, 10, 11, 12

2nd sem.

.5 credit

Prerequisite: Computer Essentials (C or higher)

This course will be designed to apply what you learned in Computer Essentials. It will include projects to integrate the Microsoft programs including but not limited to Word, Excel, PowerPoint, and Access. In addition, you will have the opportunity to learn advance options/functions of each program within Office 2019 and Office 365.

Web Design

Grades: 9, 10, 11, 12

2nd sem.

.5 credit

Prerequisite: Computer Essentials / Foundations

Web Design will use a variety of software and/or on-line web tools to develop high-quality Web sites complete with graphics, animations, buttons, and more. You will learn to design and create attention-getting, interactive sites that business, government, schools, and virtually every organization need to communicate in today's society.

Marketing Fundamentals

Grades: 11 & 12

1st sem. .5 credit**Prerequisites: Computer Essentials/Foundations**

Marketing is the study of the business activities that direct the flow of goods and services from producers to consumers. This course is a review of the essentials in today's marketing by examining the latest trends. Topics will include marketing philosophies, capturing customer value, consumer and business markets, segmentation, product marketing, service marketing, retailing, supply chain management, pricing strategy, promotions, direct and online marketing, the global marketplace, and creating a marketing plan.

Social Media Marketing

Grades 11 & 12

2nd sem. .5 credit**Prerequisites: Computer Essentials/Foundations**

This course will focus on how to market effectively using social media with a unique looking into paid advertising and social media influencers. Social media marketing, or SMM, is a form of internet marketing that involves creating and sharing content on social media networks in order to achieve your marketing and branding goals. Students will learn how to create a strong personal brand while diving deeper into using content marketing and addressing today's digital marketing organization. Social media marketing includes activities like posting text and image updates, videos, and other content that drive audience engagement on social platforms like Facebook, Twitter, Instagram, and Pinterest.

Personal Finance A

Grades: 11 & 12

1st sem. .5 credit**Prerequisites: Computer Essentials/Foundations****** Meets Financial Literacy Graduation Requirements****

The Personal Finance A course will help students become financially responsible, conscientious members of society with the use of technology. To reach that end, this course develops students understanding and skills in such areas as income and careers, money management, budgeting, financial goal attainment, the wise use of credit, and managing resources such as housing and vehicles. Students are encouraged to take both Personal Finance A and B.

Personal Finance B

Grades: 11 & 12

2nd sem. .5 credit**Prerequisite: Computer Essentials/Foundations****** Meets Financial Literacy Graduation Requirements****

Personal Finance B will extend into investing, retirement, risk management, property, liability, health, and life insurance, as well as consumer rights and responsibilities. Students are encouraged to take Personal Finance A prior to B but it is not required.

Accounting I

Grades: 10, 11, 12

1st sem. .5 credit

Prerequisite: Computer Essentials / Foundations

**** Meets Financial Literacy Graduation Requirements****

Beginning accounting includes manual and automated accounting, including work with spreadsheets and automated accounting techniques. Basic accounting knowledge is valuable for both personal and professional success. The course is not limited to students focusing on becoming accountants, but is really valuable as a life skill.

Accounting II

Grades: 10, 11, 12

2nd sem. .5 credit

Prerequisite: Accounting I

Beginning accounting includes manual and automated accounting, including work with spreadsheets and automated accounting techniques.

Introduction to Business

Grades: 10, 11 & 12

1st sem .5 credit

Prerequisite: Computer Essentials / Foundations

**** Meets Financial Literacy Graduation Requirements****

Introduction to Business is designed to give students practiced office skills needed to work effectively in the business world. A study of business functions, methods of business operation, types of business ownership, and the role of business organizations in contemporary society. Skills learned in this class are applicable to many careers.

Entrepreneurship

Grades: 10, 11, 12

2nd sem. .5 credit

Prerequisites: Computer Essentials / Foundations

**** Meets Financial Literacy Graduation Requirements****

This course is a practical, hands-on approach to planning, organizing, and managing a small business. While using an entrepreneurship simulation, students will develop a comprehensive business plan and marketing materials for a student-selected teen-based business. Students will use a variety of Microsoft Office software applications to create management documents.

FAMILY and CONSUMER SCIENCE

Family and Consumer Science is an applied field of study built upon many disciplines for the purpose of achieving and maintaining the welfare and wellbeing of homes and family life in an ever-changing society. Basic principles are utilized from many different disciplines and are applied as a composite in solving problems faced by individuals and families in day-to-day living.

The contribution of Family and Consumer Sciences to general education should not be underestimated in an examination of its many attributes. The broad, general aims of Family and Consumer Science education are recognized to be in three areas: to help the student become a well-adjusted citizen, an effective wage earner and a responsible parent or person.

Exploring FCS

Grades: 9 & 10

1st or 2nd sem. .5 credit

** Meets Financial Literacy Graduation Requirements**

Are you hungry and no-one is home? What are you going to make to eat? Are you curious about foods from around the world? Do you have a hole in your pants that needs fixing? Are you struggling with your self-esteem? Do you want to know how to set successful goals? Is there a new video game or Iphone you need to save up for, but don't know how? This class just might be for you!

Exploring FCS will provide students with the opportunity to build and strengthen their interest in the fundamental areas of Family and Consumer Sciences (FCS). This course will provide the foundation for the upper level FCS courses offered at CFHS. Through group and laboratory activities, students will develop basic skills in food and meal preparation, financial responsibility, sewing, relationships, and personal and development.

Kitchen Cuisine

Grades: 10, 11 & 12

1 year

1 credit

Kitchen Cuisine covers a comprehensive coverage of culinary and management topics with an industry-infused approach. Curriculum from the ProStart program will be used to ensure standards from the National Restaurant Association are upheld. Topics covered include: restaurant and foodservice industry, SERV Safe kitchen safety, salads, dressings and dips, sandwiches and pizza, stocks, soups and sauces, cooking methods, baking, and service and management.

La Cuisine

Grades: 11 & 12

1 year

1 credit

Prerequisite: Teacher Approval, Grade C or higher in Kitchen Cuisine,

La Cuisine provides the next level of ProStart curriculum that has been developed by the National Restaurant Association Educational Foundation. First semester will be focused on covering breakfast food, nutrition, cost control, salads and garnishing, meat, poultry, and seafood, desserts and baked goods, and global cuisine.

Second semester provides career and technical education training in the area of restaurant work. Students gain skills to qualify themselves for entry-level jobs in the food service industry. Students review theory and concepts of restaurant work and then create "restaurants", in which the food is served to faculty at lunchtime. Recipes are standardized and converted for quantity cooking. Students plan meals, grocery shop, prepare food, design menus, decorate, host, wait tables, cashier and learn about safety and sanitation.

Apparel and Design - Independent Study

Grades: 10, 11 & 12

1 year

1 credit

Prerequisites: Teacher approval

Students will use their construction and design skills and fabric knowledge to delve into an advanced course of study. A variety of clothing and design projects will be completed, no less than eight. Due to this class's independent element, students will need to be self-supporting. High levels of independence, motivation, and problem solving are crucial to success. Students will provide their own supplies and materials.

Child Development

Grades: 10, 11 & 12

1 year

1 credit

Are you interested in children, planning a career in education, parenting skills, child psychology or social work? Child development will cover children and families in today's world, pregnancy and childbirth, infancy, toddler years, preschool years, school age years and preparing for a child-related career. Part of the class will include weekly visits to a variety of grade school classes. The main purpose of this activity is to work with children of different ages and see a variety of classroom management styles.

Pre-school Co-op – Internship

Grades: 11 & 12

1 year

1 credit

Prerequisite: Child Development with a C or higher and teacher approval is required. *Students must have their own mode of transportation, and a study hall before and after the class is helpful.*

This class provides students with on-the-job training during school time. Students will work in a local daycare/preschool or elementary school. Students will use previous education background to enhance knowledge and gain employment skills in the child development field by observing/working 3-5 days a week in the field. The rest of the time will be devoted to networking with other students, preparation, or evaluation.

HEALTH OCCUPATIONS

Opportunities in the Health Professions ** FVCC Dual credit (HTH 101)**

Grades: 11 & 12

1st sem.

.5 credit

This course is intended to offer students an opportunity to explore the world of health care. Through research, discussion groups, and observations, students will explore various career paths in health care. Students will identify the educational requirements for various health care careers. Some of the topics to be discussed are; characteristics of health care personnel, certifications and licensing, health care systems, health care philosophy, law and ethics pertaining to health care, client advocacy, current issues and trends in health care, and economic issues in health care. This class is offered 1st semester only. (2 FVCC credits)

Medical Terminology ** FVCC Dual credit (AHMS 144)**

Grades: 11 & 12

2nd sem.

.5 credit

A systematic approach to scientific terminology in order to prepare students to function properly in fields related to the medical profession. Familiarity with word elements and competent use of a medical dictionary are emphasized. This class is offered 2nd semester only. (3 FVCC credits)

Modern Principles of Athletic Training

Grades: 11 & 12

2nd sem.

.5 credit

Prerequisite: Biology or Zoology (B or better); teacher approval; informal interview

Students have the opportunity to pursue interests in the areas of sports medicine (e.g., athletic training, physical therapy, personal training). Classroom knowledge is coupled with the opportunity to obtain 70 hours of hands-on training room/playing field experiences. Students will have access to the entire sports medicine community through guest speakers, job shadowing, and school to work opportunities. The content of the SD6 Modern Principles of Athletic Training (Sports Medicine) curriculum is aligned with the National Standards for Health/PE and the Montana Content Standards and Benchmarks for Health Enhancement.

INDUSTRIAL TECHNOLOGY

Industrial education offers something for all levels of academic achievement. The nature of industrial education allows the student to explore areas of interest and various occupations. Vocational interests are explored and strengthened through metals, welding, woods, construction, and Computer Aided Drawing (CAD). Industrial Technology combines and applies concepts learned in math, science, art, and English. The work is hands-on and requires complex problem solving with regard to working safely.

Industrial Tech Materials fee \$10

Grades: 9, 10

1st or 2nd sem.

.5 credit

This is an introductory hands-on course related to the occupations of Industrial Technology. Instruction includes; safety, measurement, drafting/CAD, woodworking with hand and power tools, CNC router and plasma cutter, metals, welding, and sheet metal. Upon course completion, students will understand basic safe shop use and basic machinery associated with metals, woods, and CAD.

Woods I Materials Fee \$40

Grades: 10, 11, 12

1 year

1 credit

This course requires students to establish safety protocols in the woodshop. Students will design and make woods projects using power tools and Computer Numerically Controlled (CNC) machines. Each project develops new skills and techniques in woodworking/construction. Students are required to read plans for every project they make. Some projects the student will draw in CAD prior to construction. Upon course completion, students will be able to design and fabricate basic furniture, with an array of joinery types, and be ready to explore the fundamentals of construction. Students will also complete an 8-hour industry certified propane unit. The class fee goes towards safety attire, project materials, and consumable items such as fasteners, adhesives, saw blades...etc.

Introduction to Building Trades *Materials Fee: \$35.00*

Grades: 11, 12

1 year 1 credit

Prerequisites: Woods I, C- or higher

This course will introduce students to basic carpentry, HVAC, plumbing and propane. Hands-on experience gives students valuable learning opportunities as they develop industry-based skills. Students will build propane/plumbing fittings, be introduced to HVAC work, and build a greenhouse or shed. All class hours will count towards our state approved apprentice-training program! These hours can be applied to over one thousand different apprentice programs in the state of Montana after graduation.

House Construction *FVCC Dual credit (CSTN 135)********Materials Fee: \$40.00***

Grades: 11 & 12

1 year 2 credits

Prerequisite: Instructor Approval Only.****Two period block class***

In this class, you will work in teams to construct a two-bedroom cabin that will be placed in *Glacier National Park* and used for employee housing. This will include the use of all applicable tools and materials required in the construction of a house. All aspects from job site preparation, workplace safety, to building/residential construction will be practiced and evaluated for the student's grade. Your class fee goes towards safety attire and tool bags. Students are required to work outside every day, regardless of weather and wear tool bags every period. This includes proper footwear and winter clothing. Students unprepared for class will not be allowed to work and cannot earn their daily points.

All students enrolled in this class will:

- Demonstrate safe and proper use of hand/power tools (OSHA class required)
- Apply skills necessary for job site preparation, and construction techniques including layout (math), framing, and roofing
- Maintain a clean, safe, and functional jobsite
- Effectively implement framing techniques including floor/joist layout, wall construction/erection, siding, roof work, setting windows and doors, and flooring. In addition, in/outdoor finish work.
- Correctly install roof trusses, sheeting, and roofing materials.
- Install insulation, solar/electrical infrastructure, and plumbing.
- Grades are derived from attendance, participation, and quality of work.

Metals I Welding TheoryFVCC Dual credit (WLDG 110/WLDG111)****

Materials fee \$40

Grades: 10, 11, 12

1 year 1 credit

WLDG 110 – Fall - This course is an introduction to welding theory. The fundamentals of welding equipment used in shielded metal arc, gas metal arc, gas tungsten arc, including welding. Basic metallurgy and welding process theory will be incorporated. (2 FVCC credits)

WLDG 111 – Spring - This is an introductory course presenting the safety related to welder PPE (personal protective equipment), weld shop machinery, tool safety, and safe work practices for the welder. Topics include oxy-acetylene safety, equipment set up, operation, practice cutting jobs and brazing; shielded metal arc welding including basic electricity for welders, proper electrode identification and use, types of welds and joint configurations, weld measurement, inspection, practice jobs, destructive tests, and written exams. (3 FVCC credits)

Metals II Fabrication & DesignFVCC Dual credit (WLDG122/WLDG145/COLS115)****

Materials fee \$40.00

Grades: 11 & 12

1 year

1 credit

Prerequisite: Metals I

WLDG 122 – Fall - This is an introductory course that presents the care and use related to gas metal arc welding. The course will present various techniques of welding mild and medium in flat, horizontal, vertical, and overhead positions. The mechanical properties of metals and types of joints are discussed in relation to GMAW techniques. (3 FVCC credits)

WLDG 145 – Spring - This course covers basic fabrication techniques as they relate to product manufacturing, maintenance and repair. Topics presented include bending, forming, shearing, punching operations. Emphasis is placed on welding with the FCAW (Dual Shield) method. This course also covers thermal torch cutting (i.e. hand held plasma and oxy-fuel). Students will be able to perform proficiency within these cutting methods and describe the pros and cons of each method. (2 FVCC credits)

COLS 115 – Spring - This course prepares Occupational Trades students to enter the workforce by teaching professionalism necessary for success in their chosen industries. Students create a working resume and cover letter, as well as learn interviewing techniques. Topics covered include networking and communication, time management, and professional appearance. (1 FVCC credit)

Metals III Welding Test Prep **FVCC Dual credit (WLDG146/WLDG185)**

Materials fee \$40

Grade: 12

1 year

1 credit

Prerequisite: Metals I

WLDG 146 -- Fall - This course builds on the previous fabrication course by reinforcing equipment use and welding capabilities. Assigned welding projects are incorporated into the class. This course requires students to create complete blueprints of the project chosen. Equipment use and welding skills learned from pre-requisite courses will be utilized for this course. (3 FVCC credits)

WLDG 185 – Spring - This course provides welders the opportunity to prepare for, practice, and complete the AWS National Welding Certificate exam to AWS D1.1 code. The training will include flat, horizontal, vertical, and overhead positions of carbon steel. Emphasis is placed on rod selection for various metals, techniques, and exam requirements. Welder testing protocol, WPS review, test material preparation, weld inspection, and destructive testing will be covered. (3 FVCC credits)

Metals III Independent Study

Grade: 12

MANUFACTURING COMPUTER AIDED DESIGN AND DOING

CAD I - Intro to CAD **FVCC Dual credit (DDSN 114)**

Grades: 10, 11, 12

fall sem.

.5 credit

Students will develop the knowledge and skills to prepare them to analyze and evaluate the processes and methodology required in an industrial production environment to determine if quality control standards are being met. Topics include: use of non-precision measuring tools, use of precision measuring tools, use of comparison gauges, and analysis of measurements in a CNC environment. (3 FVCC credits)

CAD I - Blueprint Reading **FVCC Dual credit (WLDG 117)**

Grades: 10, 11, 12

spring sem.

.5 credit

This course presents an introduction to industrial blueprints used in the welding industry. Emphasis will be placed on terminology, weld symbols, weld specifications, dimensions, industry and AWS standards. The course also includes interpretation of plans and drawings used by industry in field applications. Introduces the fundamental concepts necessary to interpret drawings and produce sketches for machine tool applications as applied to Machine Tool Technology. Topics include advanced sectioning, geometric dimensioning, geometric tolerance, and assembly drawings/sketching. Interpretation of specifications and determination of acceptable tolerance requirements to ensure quality control measures for design parts will also be stressed. (3 FVCC credits)

CAD II - Intro to Solid Works **FVCC Dual credit (DDNS135)**

Grades: 11, 12

fall sem.

.5 credit

This course presents the fundamental skills and concepts to build parametric model parts and assemblies and make simple drawings of those parts and assemblies. This course is designed as a process-based training approach emphasizing the processes and procedures necessary to complete a particular task. By utilizing case studies to illustrate these processes, the student learns the necessary commands, options, and menus in the context of completing a design task within SOLIDWORKS. An introduction to the transferability and compatibility of SOLIDWORKS, MASTERCAM, GIBSCAM, and Pro-Engineer software is provided. The course also includes an introduction to 3D printing. (3 FVCC credits)

CAD II - Advance Solid Works II **FVCC Dual credit (DDSN235)**

Grade: 12

spring sem.

.5 credit

This course presents the advanced use of new designing techniques and capabilities of solid modeling using the SolidWorks software, including the integration of the advanced parametric modeling and drawing tools for Solid Works. (3 FVCC credits)

SUPPLEMENTARY ACADEMIC OPPORTUNITY SUPPORT

Credit Recovery

Grades: 10, 11, 12

Credit Recovery is a class offered primarily to upper classmen for the purpose of reclaiming credits in classes they have failed. Approval by an administrator or counselor is required for enrollment. Students interested should consult their counselor.

Digital Learning Lab

½ or 1 year .5 or 1 credit

Grades: 10, 11, 12

Prerequisite: Must have completed at least one year of Computer Essentials Foundations or one semester of Computer Essentials. Having Internet access outside of the school day is HIGHLY RECOMMENDED in case additional time online is needed by the individual student.

Students may enroll in courses through Montana Digital Academy. This course sign up provides a place and time for students with teacher support to complete on-line course work and better prepare them for college courses which do function in the on-line world. You may sign up for any of the courses offered through MTDA that are not currently offered at Columbia Falls High School. Some semester courses include Personal Finance, Digital Photography, Oceanography, Statistics, etc.) Some yearlong courses include AP courses as well as other foreign language offerings such as German. Visit <http://montanadigitalacademy.org> for a complete course catalog or visit with your counselor about the available courses. There may be some Dual Credit (counting for both high school and college credit) course offerings as well.

Learning Strategies and Support

Grades: 9, 10

1 year

1 credit

This class will teach students to understand themselves and their individual learning styles; it will help them explore their own motivational habits, and give them the tools to advocate for themselves and understand what they need to achieve success. This class will guide them in learning to organize their materials, prioritize their time, and devise a plan for their career both in life and high school.

Study Hall

Grades: 9, 10, 11, 12

1st or 2nd sem. No credit

Study hall is a classroom environment. Students have the opportunity to finish coursework from other classes, receive help from various sources, or utilize their time working in the library or writing lab.

TRAFFIC EDUCATION

Grades: 9, 10, 11, 12 Cost: \$300

After or before school

NO Credit

The program consists of 60 hours of structured learning experiences. There are 6 hours of driving and 6 hours of observation in the Driver's Ed car and 48 hours of classroom work and 1.5 hours mandatory parent meeting prior to the start of the course.

The student must complete assigned classroom lessons, meet attendance requirements, complete all drive sessions, and achieve a 74.5% overall average on tests given to receive a passing grade.

The student must be 14 ½ years of age within six months after the course is completed to be eligible to take the class. The student will be issued a Learner's License (LL) upon passing the state written test, either in the classroom or at the Drivers Service exam station.

At the end of the course the student, if he/she has passed, is eligible to complete the licensing process by taking the on-road driving test at the Drivers Service exam station or in the class course, meeting some requirements that will be discussed at the parent meeting. The applicant must meet the state requirement of 15 years of age.

- Signing up for Drivers Ed - Official dates/times will be posted with sign-up sheets in the office approximately two weeks prior to the start of each class.
- Drive group sessions will be arranged by appointment for all days of the week, except Sunday.
- When school is in session, classes will be after hours (normally in a two hour format).
- When school is not in session, morning classes will be arranged (either a 1 or 2 hour format will be scheduled depending on the needs of the class).
- Students will need to present an original birth certificate (or a certified copy) to be eligible to take the state written test either in the classroom, or at the Drivers Service examine station.

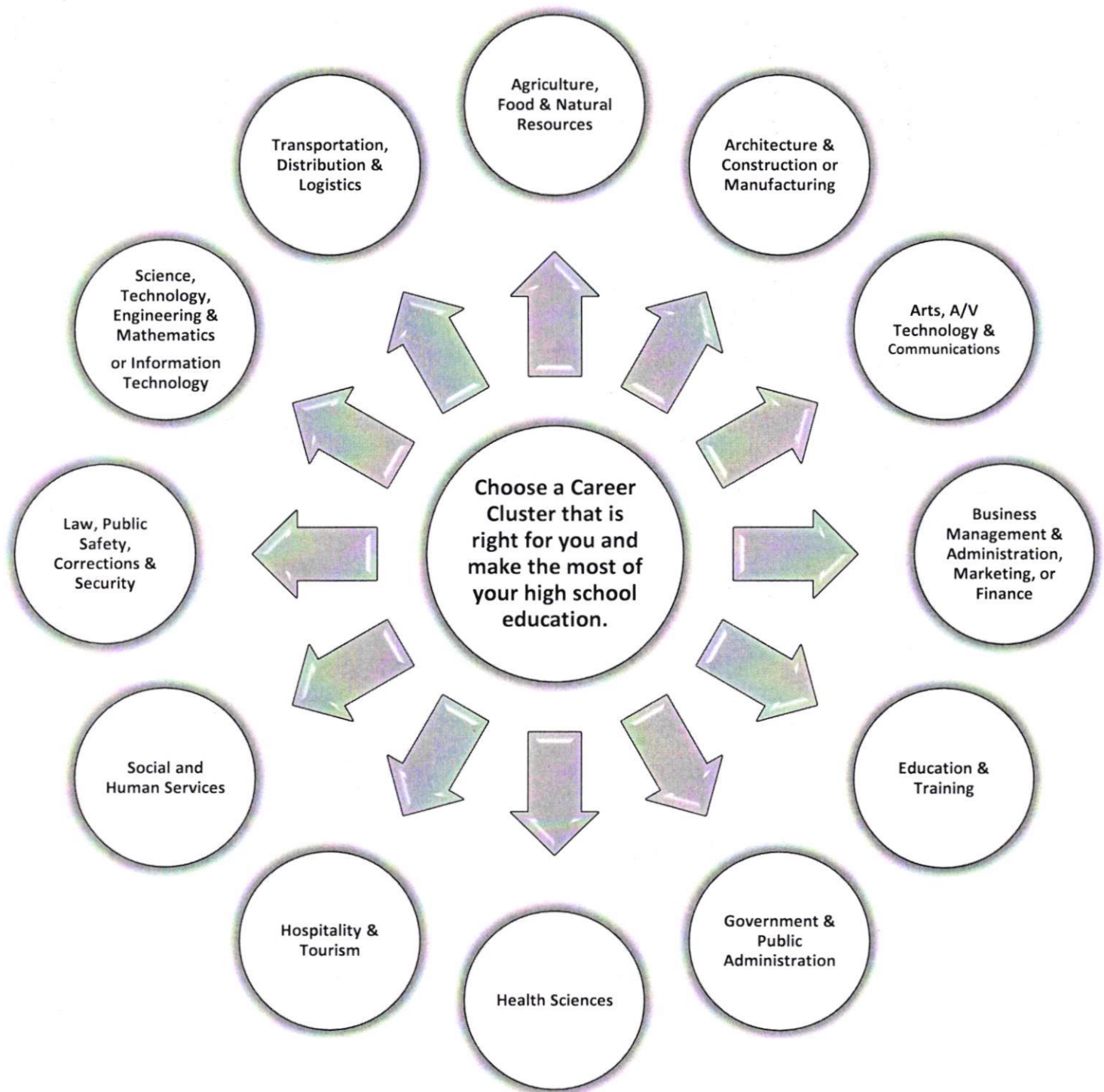
For Early Bird sessions, if a student is enrolled in an Early Bird Class, they will not be able to withdraw from this class in order to take Early Bird Drivers Ed.



PATHWAYS TO COLLEGE & CAREER READINESS

CareerClusters®

Choosing the right classes in high school can help prepare you for the next step. The next step may be college, other training, or employment. ***Setting up a 4-year course plan based on a Career Cluster or a combination of clusters is highly recommended.*** The goal is to assist students in gaining the knowledge, skills, and attributes necessary to become capable, caring adults, contributing family members, and effective workers.



Choosing a Career Cluster

The first step is to learn as much as you can about the different career clusters, hopefully identifying one or two that interest you can help guide your education choices. Montana Career Information Systems is a free resource to Montana students that has several tools to help you identify which Career Cluster might be right for you. These options are located under Assessments. Another great resource is www.careertech.org/Career-Clusters.

Login in to Montana Career Information Systems here: <http://www.mtcis.intocareers.org>

username: columbiacatd6

password: hswildcatd6

You may browse without creating a portfolio, but if you choose to create an account, please do so with the following format for username and password:

Then click on MY PORTFOLIO, then Create My Portfolio.

Example:

USERNAME: school e-mail: j.smith19@cfmtschoools.net

PASSWORD: Cfw(lunch#): Cfw12345 **You must capitalize the C only.

Creating a 4-Year Course Plan

Once you have chosen a career cluster or two that interest you, you will find 4-year course plan examples on the following pages to help you create your own individual 4-year course plan. Each semester and each year it is important to revisit and revise this plan based on what has actually taken place. It is also an important time to reevaluate whether your chosen career path and 4-year course plan still interests you or if you need to modify your plan based on a different career plan. This guide is flexible enough to allow students to change from one major category to another throughout much of their high school career or even combine to areas of interest. Be sure to select electives to help you gain as much knowledge and experience in your career cluster(s).

Please also refer to the Montana University System (MUS) Admission Requirements to be sure you are meeting all post-secondary preparation requirements.

NAME: _____ CLASS OF: _____ ADVISOR: _____

CAREER PATHWAY: _____

FOUR YEAR COURSE PLANNER

23 credits required to graduate

FRESHMAN YEAR				SOPHOMORE YEAR			
CLASS		GRADE	CREDIT	CLASS		GRADE	CREDIT
1. English 9	sem. 1			1. English 10	sem. 1		
	sem. 2				sem. 2		
2. Math	sem. 1			2. Math	sem. 1		
	sem. 2				sem. 2		
3. Science	sem. 1			3. Science	sem. 1		
	sem. 2				sem. 2		
4. Health Enhancement	sem. 1			4. Health Enhancement	sem. 1		
	sem. 2				sem. 2		
Comp. Essen. (1 st or 2 nd sem. only)	sem. 1				sem. 1		
5. Elective (1 st or 2 nd sem. only)	sem. 2			5.	sem. 2		
	sem. 1				sem. 1		
6.	sem. 2			6.	sem. 2		
	sem. 1				sem. 1		
7.	sem. 2			7.	sem. 2		
TOTAL CREDITS:				TOTAL CREDITS:			
JUNIOR YEAR				SENIOR YEAR			
CLASS		GRADE	CREDIT	CLASS		GRADE	CREDIT
1. English 11	sem. 1			1. English 12	sem. 1		
	sem. 2				sem. 2		
2. U.S. History	sem. 1			2. American Gov't.	sem. 1		
	sem. 2				sem. 2		
3. Math	sem. 1			3.	sem. 1		
	sem. 2				sem. 2		
4.	sem. 1			4.	sem. 1		
	sem. 2				sem. 2		
5.	sem. 1			5.	sem. 1		
	sem. 2				sem. 2		
6.	sem. 1			6.	sem. 1		
	sem. 2				sem. 2		
7.	sem. 1			7.	sem. 1		
	sem. 2				sem. 2		
TOTAL CREDITS:				TOTAL CREDITS:			

REQUIRED COURSES: fill in as you receive credit (1/2 square = 1 semester)

ENGLISH ☐ ☐ ☐ ☐ MATH ☐ ☐ ☐ US HISTORY ☐ AMERICAN GOV'T. ☐
 HEALTH ENHANCEMENT ☐ ☐ FINE ARTS ☐ WORLD LANG./SOC. ST. ☐
 VOCATIONAL ARTS ☐ COMPUTER ESSENTIALS ☐ SCIENCE ☐ ☐
 ELECTIVES ☐ ☐ ☐ ☐ ☐ ☐ FINANCIAL LITERACY ☐

Columbia Falls High School

Course List (update 2-6-24)

** FVCC Dual Credit Courses

Department	Courses
Art	Intro to 2-D Art (1 st . or 2 nd . Sem) Intro to 3-D Art (1 st or 2 nd . Sem) Media Arts I – Intro to Media Arts (1 st Sem) Media Arts II (2 nd Sem) Ceramics Foundations (1 st Sem) Ceramic Studio (2 nd Sem) Advanced Ceramics (1 st or 2 nd sem.) Drawing Elements (1 st Sem) Painting Elements (1 st Sem) Advance Drawing (2 nd Sem) Advance Painting (2 nd Sem) Printmaking (1 st Sem.) Mixed Media & Visual Journaling (2 nd . Sem)
Vocational Arts / Business & Informations Systems	Computer Essentials Foundations (Year) Computer Essentials (1 st or 2 nd Sem) Computer Applications (2 nd . Sem) Web Design (2 nd Sem) Marketing Fundamentals (1 st .Sem) Social Media Marketing (2 nd Sem) Personal Finance A (1 st Sem) Personal Finance B (2 nd . Sem) Introduction to Business (1 st Sem) Entrepreneurship (2 nd . Sem) Accounting I (1 st Sem) Accounting II (2 nd Sem)
Financial Literacy	Personal Finance A or B, Accounting I, Intro to Business, Entrepreneurship, Exploring FCS or Practical Math
English	English 9 Honors English 9 English 10 Honors English 10 English 11 A.P. Language and Composition A.P. Literature and Composition English 12 **Intro to Lit – FVCC Dual Credit (1 st Sem) **College Writing– FVCC Dual Credit (2 nd . Sem) Technical Writing – Seniors only <u>ENGLISH ELECTIVES</u> Reading 9 Yearbook & Media Design (Year)
Family and Consumer Science	Exploring FCS (1 st or 2 nd Sem) Kitchen Cuisine (Year) La Cuisine (Year) Apparel and Design – Independent Study (year) Child Development (Year) Pre-School Co-op - Internship (Year)
World Languages	Spanish I Spanish II Spanish III **Spanish IV **Spanish 101 & 102 FVCC Dual Credit (1 year)

	French I French II *Taught exclusively in French French III * Taught in same period as French I French IV * FVCC Dual Credit
Health Enhancement	Health Enhancement 9Girls Health Enhancement 9Boys Health Enhancement 10Girls Health Enhancement 10Boys Fitness for Sports CrossFit
Health Occupations	**Opportunities in the Health Professions (1 st Sem) - FVCC Dual Credit **Medical Terminology (2 nd Sem) - FVCC Dual Credit Modern Principles of Athletic Training (2 nd Sem)
Industrial Arts * Materials Fee	Industrial Tech (1 st or 2 nd Sem) * Woods I (1 year)* **Introduction to Building Trades* (1 year) **House Construction – (1 year) - FVCC Dual Credit* **Metals I Welding Theory – FVCC Dual Credit* **Metals II Fabrication and Design FVCC Dual Credit* **Metals III Welding Test Prep – FVCC Dual Credit* **Metals IV (1 st or 2 nd Sem) **CAD I – Intro to CAD – (1 st Sem.) FVCC Dual Credit **CAD I - Blueprint Reading (2 nd Sem.) - FVCC Dual Credit **CAD II - Intro to Solid Works (1 st Sem.) – FVCC Dual Credit **CAD II - Advanced Solid Works (2 nd Sem.) – FVCC Dual Credit
Mathematics	Pre-Algebra Algebra 1 Practical Math Geometry Algebra 2/Trigonometry Technical Math Pre-Calculus AP Calculus **Probability/Linear Math and Statistics (1 year) FVCC Dual Credit
Music	Percussion Techniques Concert Band Wind Ensemble Columbians Percussion Ensemble Troubadours and Cantelina Columbia Chorale Sonifers <u>GENERAL MUSIC</u> Intro to Acoustic Guitar (1 st Sem.) Intermediate/Advanced Guitar (1 st Sem) Intermediate Guitar/Songwriting (2 nd Sem) Advanced Guitar/Songwriting (2 nd Sem) Electronic Music (1 st or 2 nd Sem)
Science	Biology Earth Science Chemistry AP Chemistry AP Biology AP Physics I Zoology (1 st Sem) Botany (2 nd Sem) Field Ecology (1 year)

	Astronomy (2 nd . Sem) Geology of the Flathead (1 st . Sem) Human Anatomy and Physiology (1year) Independent Science Research (1 year)
Social Studies	Global Studies (1 st Sem) Current Issues (2 nd Sem) Modern World History (1 year) Practical Law – Criminal (1 st Sem) Practical Law – Civil (2 nd Sem) United States History AP United States History Introduction to Psychology (1 year) American Government (1 year) AP American Government & Politics (1 year) Montana History (1 st Sem) Native American Studies (2 nd Sem)
Credit Recovery	Purpose of reclaiming credits
Learning Strategies and Support	Individual learning styles
Study Hall	1 st Sem, 2 nd Sem or Year – non-credit
Miscellaneous	Traffic Education – No Credit – before or after school hours
Montana Digital Academy <u>For complete listing:</u> Montanadigitalacademy.org <i>**Courses offered at the high school may be taken on-line due to schedule conflicts.</i> <i>** Counselor approval for registration is required.</i>	Classes not offered at our high school/online classes Personal Finance (1 st or 2 nd Sem) Computer Science (1 st or 2 nd Sem) Sports and Entertainment Marketing (1 st or 2 nd Sem) Creative Writing (1 st or 2 nd Sem) Mythology and Folklore (1 st or 2 nd Sem) Now We're Cooking: An Introduction to Culinary Arts (1 st or 2 nd Sem) Fashion and Interior Design (1 st or 2 nd Sem) Digital Photography (1 st or 2 nd Sem) Art History/Appreciation (1 st or 2 nd Sem) Anatomy (1 st or 2 nd Sem) Statistics (1 st or 2 nd Sem) Math and the Liberal Arts (1 st or 2 nd Sem) Stepping Stones to Algebra I (1 st or 2 nd Sem) AP Macroeconomics (1 st or 2 nd Sem) AP Psychology (year) Criminology (1 st or 2 nd Sem) Chinese 1 (year) Chinese 2 (year) French 1 (year) French 2 (year) French 3 (year) German 1 (year) German 2 (year) Latin 1 (year) Latin 2 (year) Irish Studies (year)

Agriculture, Food and Natural Resource Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in agriculture, food, and natural resources.

Do you enjoy working with animals?
Do you have a green thumb?
Do you collect rocks?
Are you interested in protecting the environment?
Do you enjoy working outdoors?
Are science classes your favorite?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Agricultural Engineers Agricultural Products Graders and Sorters Agricultural Scientists Agricultural Worker Supervisors Animal Caretakers Animal Scientists Bakers Commercial Fishers Environmental Engineers/Technicians Farm and Ranch Managers/Workers Farm Equipment Mechanics Farmers and Farm Managers Food Scientists Foresters or Forestry Technicians Hazardous Material Workers Log Graders, Scalars, and Loggers Natural Sciences Managers Nursery Workers Pest Control Workers Recycling and Reclamation Workers Water Treatment Plant Operators Zoologists	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Ess	Required: English 10/ Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL or Fine Arts Vocational Span. 1/French 1 Industrial Tech	Electives: SS/FL or 2-D Art Intro to Business Entrepreneurship CAD/Woods/Metals Kitchen Cuisine Spanish 2/French 2	Electives: Geology and Astronomy Business Comm. Personal Finance Drawing Spanish III CAD II/ Metals II Woods I Field Ecology Span.3/ French 3	Electives: Science Technical Writing CAD I/Metals II Painting Spanish IV La Cuisine Algebra 2 Pre/AP Calculus Applied Geometry
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
		FCCLA			Ap Environmental Science Principles of Agriculture Geography	
	Postsecondary	<i>Gain education, training and work experience to further your career!</i>	Community College Majors	College/University Majors	Other Options	
			Associates Degree: Environmental Engineering Technicians Farmers and Farm Managers Forestry Technicians	Bachelor's Degree: Agricultural Engineers Ag, Food, and Animal Scientists Environment Engineers Foresters and Zoologists	The amount of education and training required depends on the type of work you will be doing. Some of the jobs in these fields are part time or seasonal.	

Architecture and Construction Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in architecture and construction.

Do you often observe and note the buildings around you?

Do you like to work with your hands?

Can you visualize objects and projects in your mind?

Do you like to create models or make designs?

Do you like to work with tools, objects, and numbers?

Do you like to use both mental and manual skills to solve problems?

Do you like to work both alone and with others?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Architects Bricklayers and Stonemasons Carpenters and Cement Masons Civil Engineers and Commercial Divers Construction Managers and Helpers Cost Estimators and Drafters Drywall Finishers and Installers Electrician Helpers and Electricians Explosives Workers Gas and Oil Drillers Heating and Cooling System Mechanics Highway Maintenance Workers Interior Designers Landscape Architects Landscapers and Groundskeepers Millwrights, Mining Machine Operators Painters, Paving Equipment Operators Plumbers and Pipefitters Riggers and Roustabout Roof Bolters and Roofers Sheet Metal Workers Solar Panel Installers Stationary Engineers Structural Metal Workers Surveying and Mapping Technicians Surveyors	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Ess	Required: English 10/Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL or Fine Arts Vocational Industrial Tech Ceramic Found.	Electives: SS/FL or Fine Arts Intro to Business Entrepreneurship 2-D Art/3-D Art CAD/Metals/Woods Ceramic Found.	Electives: Science. Drawing/Studio CAD II/Metals II Woods II Accounting Personal Finance	Electives: Science Technical Math Technical Writing Painting/Studio Algebra 2 Pre-Calculus CAD II/Metals III Woods I Applied Geometry
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
		FCCLA			AP Computer Science Digital Photography Interior Design	
	Postsecondary	<i>Gain education, training and work experience to further your career!</i>	Community College Majors	College/University Majors	Other Options	
			Associates Degree: Construction Managers Drafters Interior Designers Heating and Cooling Systems Mechanics	Bachelor's Degree: Architects Civil Engineers Cost Estimators Landscape Architects Surveyors	The amount of education and training required depends on the type of work you will be doing. Some of the jobs in these fields are part time or seasonal.	

Arts, A/V Technology & Communications Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in arts, audio/visual technology & communications.

Do you like to perform in front of an audience?
Are you interested in working in the movies or television?
Do you like to work with technology?
Is artistic expression important to you?
Are you active with the school or community theatre?
Does computer animation interest you?
Are you visually oriented?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Actors Agents and Business Managers Animators and Multimedia Artists Announcers and Art Directors Broadcast and Camera Technicians Cartoonists and Choreographers Communications Equipment Mechanics Costume and Wardrobe Specialists Fashion and Floral Designers Film and Video Editors Fine Artists Graphic and Industrial Designers Music Composer and Arrangers Musicians, Dancers and Singers News Reporters Page Layout Workers and Proofreaders Photographers Printing Press Operators Producers and Directors Professional Bloggers and Podcasters Professional Makeup Artists Set and Exhibit Designers Sketch Artists Sound Engineering Technicians Video Game Designers and Testers Writers, Technical Writers and Editors	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Ess	Required: English 10/ Honors Math Earth Science Health Enhancement Electives: SS/FL Graphic Design Band/Choir 2-D Art/3-D Art Fashion Design Textiles & Clothing	Required: English 11/AP U.S. History Math Electives: Science Band/Choir Paint/Ceramics 2-D Art/3-D Art Kitchen Cuisine CAD Interior Design Electronic Music Personal Finance	Required: English 12/AP American Gov't Electives: Band/Choir Painting/ Ceramics 2-D Art/3-D Art La Cuisine Algebra 2 CAD Yearbook Adv Guitar
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
		Drama Speech and Debate Art Club		Sonifers or Columbians (Class) Jazz Factory Pep Band	Digital Photography Fashion and Interior Design Sports/Ent. Marketing Art History/ Photoshop Music Appreciation	
	Postsecondary	<i>Gain education, training and work experience to further your career!</i>	Community College Majors	College/University Majors	College/University Majors	
			Associates Degree: Broadcast Technicians Communication Equipment Mechanics Fashion Designer	Bachelor's Degree: Animators and Multimedia Artist Graphic Designers Set and Exhibit Designers Video Game Designers Writers	Music Technology Music Composition Music Theory Music Education	

Business, Management, and Administrations Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in business, management, and administrations.

Do you enjoy working with other people?
Are you good at working with numbers?
Do you like to plan and organize activities?
Have you started your own business?
Do you keep your checkbook balanced?
Are you an officer of an organization?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Administrative Services Managers Bookkeeping and Accounting Clerks Business Executives Computer and Information Systems Computer Operators Customer Service Representatives Employee Training Specialists Executive Secretaries General and Operations Managers General Office Clerks Geothermal Production Managers Human Resources Assistants Human Resources Managers/Specialists Hydroelectric Production Managers Industrial Production Managers Job Benefits and Analysis Specialists Library Assistants Mail Carriers and Clerks Meeting and Convention Planners Office Managers Operations Research Analysts Payroll and Timekeeping Clerks Purchasing Managers Receptionists and Secretaries Shipping and Receiving Clerks Wind Energy Operations Managers	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Essentials	Required: English 10/ Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL or Fine Arts Web Design Industrial Tech Spanish 1/French 1	Electives: SS/FL or Fine Arts Intro to Business Entrepreneurship Accounting I-II CAD Spanish 1 or /French 2	Electives: Science Psychology Accounting I-II Media Arts Philosophy Spanish 3/French 3 Intro to CAD Personal Finance	Electives: Science Psychology Accounting I-II Spanish 4 Algebra 2 Pre-Calculus Intro to CAD Yearbook Global Studies/ Current Events
Extracurricular	Clubs	Sports	Activities		MT Digital Academy	
	Speech and Debate Student Council	Sports Team Managers			Sports and Entertainment Marketing AP Macroeconomics AP Computer Science Journalism	
Postsecondary	Gain education, training and work experience to further your career!	Community College Majors	College/University Majors		Other Options	
		Associates Degree: General and Operations Managers Sustainability Specialist	Bachelor's Degree: Human Resources Specialists Computer Information Systems Manager Meeting and Convention Planners		The amount of education and training required depends on the type of work you will be doing.	

Education and Training Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in education and training.

Are you patient?
Have you coached sports activities?
Do you like to speak in front of groups?
Have you helped out in a school or library?
Do you enjoy teaching games to children?
Are you outgoing?
Do you like being in school?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Adult and Vocational Education Teachers Archivists Coaches and Scouts College and University Administrators Curators Education Administrators Elementary School Teachers Farm and Home Management Advisors High School Teachers Instructional Coordinators Interpreters and Translators Librarians Library Technical Assistants Middle School Teachers Museum Technicians and Conservators Preschool and Kindergarten Teachers School Counselors Special Education Teachers Teacher Aides University and College Teachers	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Ess	Required: English 10/Honors Math Earth Science Health Enhancement Electives: SS/FL Band/Choir 2-D Art/3-D Art CAD/Metals/Woods Intro to Business Entrepreneurship	Required: English 11/AP U.S. History Math Electives: Science Psychology Drawing/Studio CAD II/Metals II Woods I FCS Health Prof. Medical Term. Accounting I-II	Required: English 12/AP American Gov't Electives: Psychology Painting/Studio Math CAD II/Metals III Woods I FCS Health Prof. Athletic Trainer Health Prof. Accounting I-II
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
		Model UN Speech and Debate HOSA	Athletics for Coaches and Health Educators Sports Team Managers	Teacher's Aide Office Aide Band/Choir for Music Ed, etc.	AP Psychology Mythology and Folklore Creative Writing Foreign Languages	
	Postsecondary	<i>Gain education, training and work experience to further your career!</i>	Community College Majors	College/University Majors	Educational Majors	
			Associates Degree: Library Technical Assistant Preschool Teacher	Bachelor's Degree: Adult and Vocational Teachers High/Middle School Teacher Elementary Teacher Special Education Teacher Museum Technicians	**For vocational arts, fine arts, foreign language, or health education take as many electives as possible for that content. This would also apply to all academic areas. **	

Finance

Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in finance.

Are you the treasurer of a club or organization?
 Do you enjoy working with numbers?
 Do you balance your checkbook?
 Are you interested in the stock market?
 Do you like to operate calculators?
 Are you comfortable following detailed plans for work?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Accountants and Auditors Actuaries Bank Tellers Bill and Account Collectors Brokerage Clerks Budget Analysts Credit Analysts Credit Checkers and Authorizers Financial Analysts Financial Counselors Financial Managers Forensic Accountants (Emerging) Insurance Adjusters and Examiners Insurance Agents Insurance Policy and Claims Clerks Insurance Underwriters Loan Clerks Loan Officers Securities Salespeople Tax Preparers	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Essentials	Required: English 10/Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL or Fine Arts Web Design	Electives: SS/FL or Fine Arts Accounting I-II Intro to Business Entrepreneurship	Electives: Science Accounting I-II Yearbook Statistics Personal Finance	Electives: Science Accounting I-II Algebra 2 Pre-Calculus Yearbook
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
		Model UN			AP Computer Science AP Macroeconomics Sports & Entertainment Marketing Contemporary Math	
	Postsecondary	Gain education, training and work experience to further your career!	Community College Majors	College/University Majors	Other Options	
			Associates Degree: Insurance Agents Tax Preparers Insurance Adjusters and Examiners	Bachelor's Degree: Accountants and Auditors Credit and Financial Analysts Loan Officers Financial Counselors	The amount of education and training required depends on the type of work you will be doing.	

Government and Public Administration Career Cluster Plan of Study



Have you served as an officer of a club or organization?
Do you like to plan and organize activities?
Are you interested in politics?
Would you like to work in another country?
Are rules and laws important to you?

If you answered yes to two or more of the questions above, you might be interested in considering a career in government and public administration.

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Agricultural Inspectors Appraisers and Assessors Compliance Officers and Inspectors Construction and Building Inspectors Coroners Court Clerks Emergency Management Specialists Financial Examiners Foreign Service Officers (Emerging) Government Benefits Interviewers License Clerks Occupational Health and Safety Specialists Postmasters and Mail Superintendents Regulatory Affairs Specialists Statistical Clerks Tax Examiners Transportation Inspectors Transportation Security Screeners Urban and Regional Planners	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Essentials	Required: English 10/Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL or Fine Arts Vocational Global Studies Current Issues	Electives: SS/FL or Fine Arts Vocational Practical Law Modern World History Global Studies Current Issues	Electives: Science Psychology Accounting I-II Personal Finance	Electives: Science Algebra 2 Psychology Accounting I-II MT History Native Am. St. Applied Geometry Technical Writing Statistics
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
		Model UN Speech and Debate Student Council Conservation Club		Math Beyond Classroom	Criminology Latin I/II Journalism	
	Postsecondary	<i>Gain education, training and work experience to further your career!</i>	Community College Majors	College/University Majors	Other Options	
			Associates Degree: Government Benefits Interviewers	Bachelor's Degree: Agricultural Inspectors Appraisers and Assessors Compliance Officers/Inspectors Occupational Health and Safety Specialists	The amount of education and training required depends on the type of work you will be doing.	

Health Science

Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in health science.

Are science classes your favorite?
 Do you enjoy helping people?
 Have you served as a volunteer in a hospital?
 Do you follow instructions exactly?
 Can you work fast in an emergency?
 Do you take good notes in class?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Acupuncturists Allergists and Immunologists Anesthesiologists Athletic Trainers Cardiovascular Technologists Chiropractors Dentists, Assistants and Hygienists Dermatologists Dietitians and Dietetic Technicians Family and General Practitioners Health Services Administrators Licensed Practical Nurses Medical Assistants, Scientists Medical Secretaries, Sonographers Medical Transcriptionists Nurse Practitioners and Assistants Obstetricians and Gynecologists Occupational Therapists Opticians and Optometrists Pediatricians Pharmacists, Aides and Technicians Physical Therapists, Assistants, Aides Physician Assistants Psychiatrists Radiologists and Radiation Therapists Registered Nurses Respiratory Therapists Speech Pathologists and Audiologists Surgeons and Surgical Technologists Veterinarians and Assistants	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Essentials	Required: English 10/Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL or Fine Arts Web Design Industrial Tech Exploring FCS	Electives: SS/FL or Fine Arts Vocational Zoo/Botany Woods Child Development	Electives: Science Psychology Zoo/Botany Health Occupations Medical Term. Pre-School Co-op Personal Finance Chemistry	Electives: Anat./Physiology Psychology Math Health Occupations Medical Term. Athletic Trainer AP Biology AP Chemistry
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
		HOSA Conservation Club	Athletics		Anatomy Public Health	
	Postsecondary	Gain education, training and work experience to further your career!	Community College Majors	College/University Majors	College/University Masters/Professional	
			Associates Degree: Dental Hygienists Medical Lab Technicians Registered Nurses Veterinary Technologists and Technicians	Bachelor's Degree: Athletic Trainer Dietitians Health Services Administrators Medical Laboratory Technologists	Nurse Practitioners Pharmacists Chiropractors Dentists Family and General Practitioner Surgeons and Veterinarians	

Hospitality and Tourism Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in hospitality and tourism.

Can you talk easily with all kinds of people and put them at ease?
Do you participate in athletic activities?
Do you enjoy travel?
Have you worked in a restaurant?
Do you like to plan family recreational activities?
Do you like to cook?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Animal Trainers Baggage Porters and Bellhops Bartenders and Buspenders Casino Gaming Workers Caterers (Emerging) Chefs and Dinner Cooks Concierges Counter Attendants Fast Food Cooks Food Preparation Workers Food Service Worker Supervisors Hotel and Motel Managers Hotel Desk Clerks Janitor and Housekeeper Supervisors Janitors and Kitchen Helpers Maids and Housekeepers Movie Projectionists Professional Athletes Recreation Attendants Recreation Guides and Workers Reservation and Ticket Agents Restaurant Hosts and Managers Short-Order Cooks Tour Guides and Agents Umpires and Referees Waiters and Waitresses	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Essentials	Required: English 10/Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL or Fine Arts/ Vocational Web Design Spanish 1/French 1	Electives: SS/FL or Fine Arts Vocational Intro to Business Entrepreneurship Spanish 2/French2	Electives: Science Psychology Spanish 3/French 3 Kitchen Cuisine Accounting I-II Personal Finance	Electives: Science Psychology Spanish 4 La Cuisine Algebra 2 Practical Law Accounting I-II
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
					Digital Photography AP Psychology AP Computer Science Fashion and Interior Design Hospitality & Tourism Mkgt.	
	Postsecondary	Gain education, training and work experience to further your career!	Community College Majors	College/University Majors	Other Options	
			Associates Degree: Chefs Food Service Worker Supervisors Tour Guides Travel Agents	Bachelor's Degree: Recreation Worker Hotel and Motel Managers Restaurant Managers	The amount of education and training required depends on the type of work you will be doing. Some of the jobs in these fields are part time or seasonal.	

Human Services Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in human services.

Do you help friends with their personal problems?
Have you planned programs for school or community organizations?
Are you a good listener?
Do you care about people and want to help in some way?
Have you cared for children or done babysitting?
Do you like to help friends and family members look their best?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Addictions Counselors Barbers Child Care Workers Community Health Workers Credit Counselors Fitness Trainers/Aerobics Instructors Funeral Directors and Managers Hairstylists and Cosmetologists Manicurists Marriage and Family Therapists Massage Therapists Mental Health Counselors Personal and Home Care Aides Professional Organizers (Emerging) Psychologists Rehabilitation Counselors Residential Counselors School Psychologists Skin Care Specialists Social and Community Service Managers Social and Human Service Assistants Social Workers Tailors Tattoo Artists Wedding Planners	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Essentials	Required: English 10/ Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL Web Design 2-D Art/3-D Art Exploring FCS	Electives: SS/FL Vocational Drawing/Studio Kitchen/La Cuisine Apparel & Design Ceramics	Electives: Science Psychology Painting/Studio Pre-school Co-op World History Entrepreneurship Personal Finance	Electives: Science Psychology Algebra 2 Accounting I-II
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
		FCCLA HOSA Art Club			AP Psychology Digital Photography Mythology & Folklore	
	Postsecondary	<i>Gain education, training and work experience to further your career!</i>	Community College Majors	College/University Majors	Vocational Training	
			Associates Degree: Funeral Directors and Managers	Bachelor's Degree: Social Worker Social and Community Service Managers Credit Counselors	Hairstylists and Cosmetologists Manicurist Message Therapists Skin Care Specialists	

Information Technology Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in information technology.

Do you enjoy working with computers?
Have you created your own webpage?
Is mathematics a favorite subject?
Are you organized and able to focus on details?
Do you learn new computer programs quickly?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Computer Engineers Computer Programmers Computer Systems Administrators Computer System Analysts Computer User Support Specialists Database Administrators Information Security Analysts Web Developers	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Essentials	Required: English 10/Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL Web Design 2-D Art/3-D Art Industrial Tech	Electives: SS/FL Intro to Business Entrepreneurship 2-D Art/3-D Art CAD I	Electives: Science Drawing/Studio CAD II Personal Finance	Electives: Science Algebra 2 Pre/AP Calculus CAD II Health Prof. Medical Term. Yearbook Accounting I-II Technical Writing
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
					AP Computer Science Digital Photography	
	Postsecondary	Gain education, training and work experience to further your career!	Community College Majors	College/University Majors	Other Options	
			Associates Degree: Computer User Support Specialists	Bachelor's Degree: Computer Engineers Computer Programmers Information Security Analysts Computer Systems Administrators Web Developers	The amount of education and training required depends on the type of work you will be doing.	

Law, Public Safety, Corrections and Security Career Cluster Plan of Study



Are you able to work under pressure?
Can you work with various kinds of people?
Do you like to help people?
Can you work in the face of danger?
Are you good at winning arguments?
Do you instruct friends and family members on laws and regulations?

If you answered yes to two or more of the questions above, you might be interested in considering a career in law, public safety, corrections and security.

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Animal Control Workers Bailiffs Border Patrol Agents (Emerging) Corrections Officers Court Reporters Detectives and Investigators Emergency Medical Technicians Fire Fighters Fire Inspectors and Investigators Fish and Game Wardens Forensic Science Technicians Judges and Hearing Officers Lawyers and Law Clerks Legal Secretaries and Paralegals Life Guards and Ski Patrolters Military Enlisted Personnel and Officers Parking Enforcement Officers Police and Detective Supervisors Police Patrol Officers Private Detectives and Investigators Probation Officers and Security Guards Sanitarians Secret Service Agents (Emerging) Sheriffs Title Examiners and Searchers	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Essentials	Required: English 10/Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL or Fine Arts Vocational Global Studies Current Issues Spanish 1/French 1	Electives: SS/FL or Fine Arts Vocational Kitchen Cuisine Modern World History Practical Law Spanish 2/French 2	Electives: Science Psychology Spanish 3/French 3 Native Am. Studies MT History Personal Finance	Electives: Science Psychology La Cuisine Algebra 2 Spanish IV Accounting I-II
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
		Speech and Debate Model UN Conservation Club			Criminology AP Psychology	
	Postsecondary	<i>Gain education, training and work experience to further your career!</i>	Community College Majors	College/University Majors	Work Experience and Training	
			Associates Degree: Fish and Game Wardens Paralegals	Bachelor's Degree: Forensic Science Technicians Law Clerks Probation Officers	Fire Inspectors and Investigators Police and Detective Supervisors Detectives and Investigators	

Manufacturing Career Cluster Plan of Study



Are you good with working with your hands?
Can you explain to others how a machine works?
Do you set up and repair stereo equipment for yourself or friends?
Do you enjoy reading the latest developments in electronics?
Can you visualize how a machine works?

If you answered yes to two or more of the questions above, you might be interested in considering a career in manufacturing

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Airplane Assemblers Appliance Installers and Repairers Cabinetmakers Camera and Photographic Equipment Chemical Plant Operators Computer, ATM, and Office Machine Gas and Oil Plant Operators Home Electronic Repairers Industrial Electronics Repairers Jewelers Lumber Production Workers Machinists Manufacturing Production Technicians Medical Equipment Repairers Musical Instrument Repairers/Tuners Pulp and Paper Workers Quality Control Inspectors Sawing Machine Operators Security/Fire Alarm Systems Installers Small Engine Mechanics Textile Machine Operators Tire Building Machine Operators Tool and Die Makers Welders and Solderers Wind Turbine Technicians Woodworking Machine Operators	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Essentials	Required: English 10/Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL or Fine Arts Web Design 2-D Art/3-D Art Industrial Tech	Electives: SS/FL or Fine Arts Intro to Business Entrepreneurship 2-D Art/3-D Art CAD/Metals/Woods	Electives: Science Drawing/Studio CAD II/Metals II Accounting I-II Personal Finance Woods I	Electives: Science Technical Writing Painting/Studio Algebra 2 CAD II/Metals III Woods I Statistics
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
					A Computer Science	
	Postsecondary	<i>Gain education, training and work experience to further your career!</i>	Vocational Training	Community College Majors	Other Options	
			Electric Motor Repairers Home Electronic Repair Manufacturing Production Technicians Welders and Solderers	Associates Degree: Camera and Photographic Equipment Repairs Medical Equipment Repairs Semiconductor Processing Operators	The amount of education and training required depends on the type of work you will be doing.	

Marketing

Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in marketing.

Do you sell advertising space for the school yearbook or newspaper?
 Do you like to do public speaking or debating?
 Are you good at organizing your own time?
 Have you helped convince people to participate in an activity?
 Are you friendly and outgoing?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Advertising Managers Advertising Salespeople Buyers and Purchasing Agents Cashiers Counter and Rental Clerks Demonstrators and Promoters Market Research Analysts Marketing Managers Merchandise Displayers Models Parts Salespeople Property and Real Estate Managers Public Relations Managers Public Relations Specialists Real Estate Agents Retail Salespeople Route Salespeople Sales Managers Sales Representatives Sales Worker Supervisors Telemarketers	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Essentials	Required: English 10/Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL or Fine Arts Web Design	Electives: SS/FL or Fine Arts Intro to Business Entrepreneurship	Electives: Science Business Comm Psychology Yearbook Personal Finance	Electives: Science Psychology Yearbook Accounting I-II Algebra 2 Statistics
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
		Speech and Debate FCCLA			AP Psychology Digital Photography Hospitality & Tourism Marketing Sports & Entertaining Mktg.	
	Postsecondary	<i>Gain education, training and work experience to further your career!</i>	Community College Majors	College/University Majors	Other Options	
			Associates Degree: Real Estate Agents Buyers and Purchasing Agents	Bachelor's Degree: Public Relations Analysts Sales Representative/Manager Advertising Manager Market Manager	The amount of education and training required depends on the type of work you will be doing.	

Science, Technology, Engineering & Mathematics Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in science, technology, engineering, and mathematics.

Is science one of your favorite subjects?
Do you prepare projects for science fairs?
Do you enjoy reading science magazines?
Are you detail-oriented?
Do you want to know how things work?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Aerospace Engineers Anthropologists Archeologists Biologists Chemists and Chemical Engineers Conservation Scientists Economists Electrical and Electronics Engineers Electronics Engineering Technologists Environmental Scientists Geologists and Geophysicists Historians Manufacturing Engineers Marine Biologists (Emerging) Mathematicians Mechanical and Mining Engineers Meteorologists Nuclear and Petroleum Engineers Park Naturalists Physicists Political Scientists Robotics Engineers Safety Engineers Sociologists Statisticians Wind Energy Engineers	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9th <i>Required:</i> English 9/Honors Math Biology Health Enhancement Computer Ess <i>Electives:</i> SS/FL or Fine Arts Web Design Industrial Tech	10th <i>Required:</i> English 10/Honors Math Earth Science Health Enhancement <i>Electives:</i> SS/FL or Fine Arts Vocational CAD/Metals/Woods	11th <i>Required:</i> English 11/AP U.S. History Math <i>Electives:</i> Science CAD I/Metals II Woods I Algebra 2 Field Ecology Personal Finance	12th <i>Required:</i> English 12/AP American Gov't <i>Electives:</i> Science Pre/AP Calculus College Math/Stats CAD I/Metals III Woods I
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
	Postsecondary	Gain education, training and work experience to further your career!	Community College Majors	College/University Majors	College/University Majors	
			<i>Associates Degree:</i> Electronics Engineering Tech Engineering Technicians Manufacturing Engineer Tech Science Technicians	<i>Bachelor's Degree:</i> Chemical Engineers Climate Change Analysts Energy Engineer Fuel Cell Engineering	<i>Bachelor's Degree:</i> Industrial/Mechanical Engineer Meteorologists Park Naturalists Safety Engineers	

Transportation, Distribution, & Logistics Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in transportation, distribution, and logistics.

Would you enjoy working outdoors in all kinds of weather?
Do you have good eyesight and quick reflexes?
Can you estimate distances accurately?
Do you drive trucks or tractors to do work on a farm?
Would you like to learn to fly an airplane?
Do you repair your or your family's and friends' vehicles?
Do you like to read automotive or mechanical magazines?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Air Traffic Controllers Aircraft Mechanics Airplane Pilots Ambulance Drivers Auto Body Repairers Automobile Mechanics Bicycle Repairers Billing Clerks Couriers and Messengers Dispatchers Flight Attendants Heavy Equipment Operators or Mechanics Locomotive Engineers Motorboat/Motorcycle Mechanics Pump Operators Railroad Brake, Signal, and Switch Operators School Bus, Taxi, or Truck Drivers Ship Captains and Mates Storage and Transportation Managers Tank Car, Truck, and Ship Loaders Train Conductors and Yardmasters	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History (MSU Requirement) - 1 Electives - 6	9 th	10 th	11 th	12 th
			Required: English 9/Honors Math Biology Health Enhancement Computer Ess	Required: English 10/Honors Math Earth Science Health Enhancement	Required: English 11/AP U.S. History Math	Required: English 12/AP American Gov't
			Electives: SS/FL or Fine Arts Vocational Industrial Tech	Electives: SS/FL or Fine Arts Intro to Business Entrepreneurship Zoo/Botonny CAD/Metals/Woods	Electives: Science 3-D Art Zoo/Botany CAD II/Metals II Woods I Personal Finance	Electives: Science 3-D Art Zoo/Botany Algebra 2 CAD I/Metals III Woods I Practical Law
	Extracurricular	Clubs	Sports	Activities	MT Digital Academy	
		Speech and Debate		Math Beyond the Classroom	Contemporary Math (Dual Credit) Hospitality and Tourism Mkg.	
	Postsecondary	Gain education, training and work experience to further your career!	Community College Majors	College/University Majors	Other Options	
			Certificate Degree or Diploma: Heavy Equipment Operator Mechanics Drivers	Bachelor's Degree: Airplane pilot Transportation Manager	The amount of education and training required depends on the type of work you will be doing. Some of the jobs in these fields are part time or seasonal.	