2026-2027

CATALOG OF PROPOSED COURSES

&

COURSE DESCRIPTIONS

C.M. RUSSELL HIGH SCHOOL

GREAT FALLS, MONTANA

A better place to learn and teach where relationships, learning, and accountability lead to success.

***Please note all courses listed are the courses proposed at time of publication and are subject to change.*

CAREER/TECHNICAL OPTIONS 4

FINE ARTS OPTIONS 5

ADVANCED PLACEMENT PROGRAM 6

NCAA/NAIA ELIGIBILITY REQUIREMENTS 7

GRADUATION REQUIREMENT BREAKDOWN/WORKSHEETS 8

SEMESTER, ZERO PERIOD & ONLINE CLASSES 14

ART 15

BUSINESS 18

ELECTIVES 22

ENGLISH 30

FAMILY & CONSUMER SCIENCES 34

HEALTH ENHANCEMENT 38

HEALTH SCIENCE 42

INDUSTRIAL TECHNOLOGY 46

MATH 54

MUSIC 59

PUBLICATIONS 66

SCIENCE 69

SOCIAL STUDIES 75

THEATRE ARTS & STAGECRAFT 81

WORLD LANGUAGES 83

To CMR Students, Parents, and Staff:

This Course Description Book was developed to acquaint you with all the courses offered at CMR High School. It will provide you with specific information, such as course objectives, department, length, and whether it is a required course or elective and other specifics.

Our Course Numbering System will help you determine if a class is full-year or semester and if the course requires prerequisites. This system applies to all courses **EXCEPT** math and music, which are all full-year courses and usually require teacher recommendation for placement.

1-2	Indicates an entry level, full-year class with no prerequisite.
3-4, 5-6	Indicates a full-year class that has prerequisites. Level 1-2 must be taken before level 3-4, and so on.

No number indicates a semester course for which there is no prerequisite.

Single #1	Indicates a semester course that is a prerequisite for another more advanced course.
Single #2	Indicates a semester course that requires a prerequisite. Level 1 must be taken before level 2, level 2 before level 3 and so on.

Thank you,

Jamie McGraw
Principal

Note: One credit each in Career/Technical and Fine Art is required for graduation. Students may choose to pursue one of the three diploma options. Students should work with their high school guidance counselors, teachers, and parents to determine which option best meets their individual needs. Please review Graduation Requirements for reference.

CAREER/TECHNICAL OPTIONS

Any of the following courses will meet the requirement for Career/Technical credits.

1. Any course listed in the Business Department
   - Finance & Career Prep
   - Entrepreneurship (With Business Law)
   - Multimedia
   - Marketing & Management
   - Money Management
   - Accounting (Dual Credit)
   - Intro to Business
   - Tech Essentials
   - Intro to Computer Science
   - Work Experience
   - Business Independent Study
   - Cybersecurity (Dual Credit)
2. Any course listed in Family & Consumer Sciences
   - Culinary Arts 1-2
   - Culinary Arts 3/Hospitality
   - Interior Design 1, 2
   - Design 3
   - Developing Child 1-2
   - Developing Child 3-4 (@GFH)
   - Fashion Design & Construction 1, 2
   - Preparation for Life
   - FCS Independent Study
3. Any course listed in Industrial Technology
   - Intro to Industrial Tech
   - Welding 1, 2, 3/Welding 2 Design/Welding Qualifications 2&3
   - Metals Manufacturing
   - Power Technology
   - Automotive Technology 3-4/Automotive Technology ASE
   - Drafting (Drafting 1, Applied Drafting 2, Architectural Drafting 3-4, Engineering Drafting 3-4)
   - Electronics (DC Electricity & Residential Electricity 2)
   - Pre-Construction
   - Woods 1-2/Woods 3-4
   - High School House
   - Build MT/Build MT Lab
   - Industrial Tech Independent Study
   - CTE Internship

4. Any course listed in Publications/Media Production
   - Introduction to Journalism
   - Newspaper/Website Workshop
   - Yearbook Workshop
   - Photojournalism/Videography Workshop
   - Publications Independent Study
   - Stagecraft Technology 1-2
   - Stagecraft Design 1-2
5. Any course listed under Health Science
   - Introduction to Health Occupations
   - Intro to Anatomy/Physiology
   - Anatomy/Physiology CTE Honors
   - CNA
   - EMT Basic
   - Health Occupations Internship
   - Advanced Health Science
   - Medical Terminology
6. Any of the following other courses
   - Air Force JROTC
   - Video Production 1
   - Video Production 2

FINE ARTS OPTIONS

The following courses meet the requirement for Fine Arts Credit.

1. Any course listed in the Art Department
   - Art Workshop 1-2
   - Art Workshop 1-2 Honors
   - Studio in Ceramics/Sculpture
   - Studio in Painting/Printmaking
   - Studio in Graphic Design/Photography
   - AP Art & Design
2. Any course listed in the Theatre Arts Department
   - Theatre Arts (all levels)
   - Stagecraft Design 1-2
   - Stagecraft Technology 1-2
3. Any course listed in the Music Department
   - Choir (all levels)
   - Band (all levels)
   - Orchestra (all levels)
   - Guitar 101
   - Music Theory

ADVANCED PLACEMENT (AP) PROGRAM

The Advanced Placement (AP) Program consists of college-level courses and exams for sophomore, junior and senior high school students. Many colleges and universities give credit and/or advanced placement to students whose AP examination scores are considered acceptable. Students who register for AP classes have the option of taking the AP test, but the exam is not required. In 2025-2026, the AP test fee was $110.00 per test. Students can expect that this cost will increase a bit each year.

An AP course is a special college-level learning experience that takes a full academic year, making it possible for academically advanced students to upgrade the quality and increase the rigor of their studies. The following AP courses are offered at CMR:

AP Art & Design
AP Biology
AP Calculus
AP Chemistry
AP English (Lit/Language)
AP Government
AP Macroeconomics
AP Microeconomics
AP Physics
AP Psychology
AP US History

DUAL CREDIT CLASSES

Student pays 50% of regular in state tuition ($65 average per credit) and earns high school and college credit simultaneously. Courses are offered through Great Falls College-MSU, Montana Tech and the University of Providence and scheduled through CMR. The first six dual credits are free with the One-Two-Free Program at MUS colleges and the first nine credits are free at UP with the Three-For-Free Program.

\+ Accounting
\+ AP English 7-8
\+ AP Government
\+ AP US History
\+ College Algebra 121
\+ Criminal Justice 1&2
\+ Honor Statistics
\+ Humanities
\+ Intro to Education
\+ Medical Terminology
\+ Pre-Calculus 151
\+ Sign Language
\+ Welding Qualifications 2&3
\+ High School House
~ Automotive Tech, ASE
\# Interior Design 1 & 2

* University of Providence
\+ Great Falls College – MSU
~ Helena College – UM
\# Gallatin College - MSU

NCAA & NAIA ELIGIBILITY REQUIREMENTS

Students participating in high school athletics that plan to participate in college or university athletics will need to pay special attention to eligibility rules for admission. It is critical for students and parents to have a full understanding of the requirements and to follow an academic plan to fulfill those requirements. It is the student/athlete's responsibility to meet NCAA/NAIA academic eligibility.

NCAA

National Collegiate Athletic Association (NCAA). If you wish to participate in NCAA Division I or II athletics, you need to be certified by the NCAA Eligibility Center. You will need to qualify academically, and you will also need to be cleared as an amateur student-athlete. NCAA recommends students start planning Freshman year and register Sophomore year. Please access the NCAA website for more information: www.eligibilitycenter.org

Initial NCAA eligibility will be evaluated under a rule that requires 16 core courses:
- 4 years of English
- 3 years of Math (Algebra I or higher)
- 2 years of Natural/Physical Science
- 1 year of additional English, Math, or Natural/Physical Science
- 2 years of Social Science
- 4 years of additional courses from any area listed above, foreign (world) language, or comparative religion/philosophy

NAIA

National Association of Intercollegiate Athletics (NAIA). If you wish to participate, you will need to be certified by the NAIA Eligibility Center to qualify academically and be cleared as an eligible student-athlete for competition. Access the NAIA website for more information: www.PlayNAIA.org.

If you will graduate from a U.S. high school this spring and enroll in college this coming fall, the requirements are simple. An entering freshman must:
- Be a graduate of an accredited high school.
- Must graduate with a 2.3+ GPA OR meet two of the following requirements:
    - Achieve a qualifying 18 on the ACT or 970 on the SAT.
    - Achieve a minimum overall high school grade point average of 2.0 on a 4.0 scale.
    - Graduate in the top half of your high school class.

GRADUATION REQUIREMENT BREAKDOWN AND WORKSHEETS

COMPREHENSIVE DIPLOMA
GRADUATION REQUIREMENTS
GREAT FALLS PUBLIC SCHOOLS

English	**4 Credits**
English 1-2	1.00
English 3-4	1.00
English 5-6	1.00
English 7-8	1.00

Math	**3 Credits**

One credit must include Algebra I or Integrated Math I

Social Studies	**3 Credits**
Essentials in World History 1-2	1.00
Montana Government Studies	0.50
US History 1-2	1.00
Senior Government	0.50

Science	**3 Credits**
Earth & Space Science	1.00
Biology 1-2	1.00
Science Elective	1.00

Health Enhancement	**2 Credits**
Health/PE 1-2	1.00
Health/PE 3-4	1.00

Finance & Career Prep	**.5 Credit**

Career and Technical	**1 Credit**

Business	*Journalism/Yearbook/Newspaper Workshop
Family and Consumer Sciences	*Graphic Arts/Publications
Industrial Technology	*Stagecraft
Health Science	*Video Productions

*May qualify for CTE credit dependent on the state teacher licensure requirements.

Fine Arts	**1 Credit**

Choose 1 credit from any combination of:

- Art
- Drama
- Music

General Electives	**5.5 Credits**

Within these Electives, a student must plan for 1 additional credit in:

- Career/Technical or Fine Art
  - OR
- 2 credits in World Language

Total Credits	**23 Credits**

CONCENTRATION DIPLOMA
GRADUATION REQUIREMENTS
GREAT FALLS PUBLIC SCHOOLS

English	**4 Credits**
English 1-2	1.00
English 3-4	1.00
English 5-6	1.00
English 7-8	1.00

Math	**3 Credits**

One credit must include Algebra I or Integrated Math I

Social Studies	**3 Credits**
Essentials in World History 1-2	1.00
Montana Government Studies	0.50
US History 1-2	1.00
Senior Government	0.50

Science	**3 Credits**
Earth & Space Science	1.00
Biology 1-2	1.00
Science Elective	1.00

Health Enhancement	**2 Credits**
Health/PE 1-2	1.00
Health/PE 3-4	1.00

Finance & Career Prep	**.5 Credit**

Career and Technical	**1 Credit**

Choose 1 credit from any combination of:

Business	*Journalism/Yearbook/Newspaper Workshop
Family and Consumer Sciences	*Graphic Arts/Publications
Industrial Technology	*Stagecraft
Health Science	*Video Productions

*May qualify for CTE credit dependent on the state teacher licensure requirements.

Fine Arts	**1 Credit**

Choose 1 credit from any combination of:

Art
Drama
Music

General Electives	**5.5 Credits**

Within these Electives, a student must take 3 or more credits in a specific area of concentration from the following concentrations:

- Science, Technology, Engineering, Math (STEM) – includes Health Sciences
- Career Pathway Concentration (Industrial Tech, Business, Family & Consumer Sciences)
- Fine Arts/Humanities

Total Credits	**23 Credits**

HONORS DIPLOMA
GRADUATION REQUIREMENTS
GREAT FALLS PUBLIC SCHOOLS
Minimum cumulative GPA 3.33 and 6 credits of Honors/AP/Early College

English	**4 Credits**
English 1-2	1.00
English 3-4	1.00
English 5-6	1.00
English 7-8	1.00

Math	**4 Credits**

One credit must include Algebra I or Integrated Math I

Social Studies	**3 Credits**
Essentials in World History 1-2	1.00
Montana Government Studies	0.50
US History 1-2	1.00
Senior Government	0.50

Science	**3 Credits**
Earth & Space Science	1.00
Biology 1-2	1.00
Science Elective	1.00

Health Enhancement	**2 Credits**
Health/PE 1-2	1.00
Health/PE 3-4	1.00

Finance & Career Prep **.5 Credit**

Career and Technical **1 Credit**

Choose 1 credit from any combination of:

Business	*Journalism/Yearbook/Newspaper Workshop
Family and Consumer Science	*Graphic Arts/Publications
Industrial Technology	*Stagecraft
Health Science	*Video Productions

*May qualify for CTE credit dependent on the state teacher licensure requirements.

Fine Arts **1 Credit**

Choose 1 credit from any combination of:

- Art
- Drama
- Music

General Electives **8.0-8.5 Credits**

Within these Electives, a student must plan for 1 additional credit in:

- Career/Technical or Fine Art

OR

- 2 credits in World Language

Total Credits **26 Credits**

CHARLES M RUSSELL HIGH SCHOOL
COMPREHENSIVE DIPLOMA REQUIREMENTS (23 CREDITS)

CREDITS EARNED

ENGLISH 4 credits required

English 1	English 2
English 3	English 4
English 5	English 6
English 7	English 8

SOCIAL STUDIES 3 credits required

Ess World History 1	Ess World History 2
MT Government	
US History 1	US History 2
Government	

MATH 3 credits required

Integrated Math I	Integrated Math I

SCIENCE 3 credits required

Earth/Space 1	Earth/Space 2
Biology 1	Biology 2

*CAREER TECHNICAL 1 credit required

*FINE ARTS 1 credit required

HEALTH/PE 2 credits required

Health 1 PE 1	Health 2 PE 2
Health 3 PE 3	Health 4 PE 4

*FINANCE & CAREER PREP .5 credit required

*GENERAL ELECTIVES 5.5 credits required

9th GRADE

1st Semester	*2nd Semester*
English 1_____	English 2_____
Ess WH 1_____	Ess WH 2_____
Math_____	Math_____
Earth/Space 1___	Earth/Space 2___
H/PE 1_____	H/PE 2_____
Elective_____	Elective_____
Elective_____	Elective_____

10th GRADE

1st Semester	*2nd Semester*
English 3_____	English 4_____
MT Gov/Elective	MT Gov/Elective
Math_____	Math_____
Bio 1_____	Bio 2_____
H/PE 3_____	H/PE 4_____
Elective_____	Elective_____
Elective_____	Elective_____

11th GRADE

1st Semester	*2nd Semester*
English 5_____	English 6_____
US History 1____	US History 2____
Math_____	Math_____
Science_____	Science_____
Elective_____	Elective_____
Elective_____	Elective_____
Elective_____	Elective_____

12th GRADE

1st Semester	*2nd Semester*
English 7_____	English 8_____
Gov/Elective____	Gov/Elective____
Elective_____	Elective_____
Elective_____	Elective_____
Elective_____	Elective_____
Elective_____	Elective_____
Elective_____	Elective_____

CHARLES M RUSSELL HIGH SCHOOL
CONCENTRATION DIPLOMA REQUIREMENTS (23 CREDITS)

CREDITS EARNED

ENGLISH 4 credits required

English 1	English 2
English 3	English 4
English 5	English 6
English 7	English 8

SOCIAL STUDIES 3 credits required

Ess World History 1	Ess World History 2
MT Government	
US History 1	US History 2
Government	

MATH 3 credits required

Integrated Math I	Integrated Math I

SCIENCE 3 credits required

Earth/Space 1	Earth/Space 2
Biology 1	Biology 2

*CAREER TECHNICAL .5-1 credit required

*FINE ARTS 1 credit required

HEALTH/PE 2 credits required

Health 1 PE 1	Health 2 PE 2
Health 3 PE 3	Health 4 PE 4

*FINANCE & CAREER PREP .5 credit required

*GENERAL ELECTIVES 5.5 credits

*CONCENTRATION ELECTIVES – From course work above, please keep track below of your Concentration Electives which must be from one of the following areas: STEM, CTE, Fine Arts/Humanities.

9th GRADE

1st Semester	*2nd Semester*
English 1_____	English 2_____
Ess WH 1_____	Ess WH 2_____
Math_____	Math_____
Earth/Space 1___	Earth/Space 2___
H/PE 1_____	H/PE 2_____
Elective_____	Elective_____
Elective_____	Elective_____

10th GRADE

1st Semester	*2nd Semester*
English 3_____	English 4_____
MT Gov/Elective_	MT Gov/Elective
Math_____	Math_____
Bio 1_____	Bio 2_____
H/PE 3_____	H/PE 4_____
Elective_____	Elective_____
Elective_____	Elective_____

11th GRADE

1st Semester	*2nd Semester*
English 5_____	English 6_____
US History 1____	US History 2____
Math_____	Math_____
Science_____	Science_____
Elective_____	Elective_____
Elective_____	Elective_____
Elective_____	Elective_____

12th GRADE

1st Semester	*2nd Semester*
English 7_____	English 8_____
Gov/Elective____	Gov/Elective____
Elective_____	Elective_____
Elective_____	Elective_____
Elective_____	Elective_____
Elective_____	Elective_____
Elective_____	Elective_____

CHARLES M RUSSELL HIGH SCHOOL
HONORS DIPLOMA REQUIREMENTS
(26 CREDITS, 3.33 CUM. GPA & 6 CREDITS OF AP/HONORS/EARLY COLLEGE)

CREDITS EARNED

ENGLISH 4 credits required

English 1	English 2
English 3	English 4
English 5	English 6
English 7	English 8

SOCIAL STUDIES 3 credits required

Ess World History 1	Ess World History 2
MT Government	
US History 1	US History 2
Government	

MATH 4 credits required

Integrated Math I	Integrated Math I

SCIENCE 3 credits required

Earth/Space 1	Earth/Space 2
Biology 1	Biology 2

*CAREER TECHNICAL .5-1 credit required

*FINE ARTS 1 credit required

HEALTH/PE 2 credits required

Health 1	PE 1	Health 2	PE 2
Health 3	PE 3	Health 4	PE 4

*FINANCE & CAREER PREP .5 credit required

*GENERAL ELECTIVES 8.0-8.5 credits required

*CONCENTRATION ELECTIVES – From course work above, please keep track of your Concentration Electives which must be 2 credits from one of the following areas: Career Technical, Fine Arts or World Languages

9th GRADE

1st Semester	*2nd Semester*
English 1_____	English 2_____
Ess WH 1_____	Ess WH 2_____
Math_____	Math_____
Earth/Space 1___	Earth/Space 2___
H/PE 1_____	H/PE 2_____
Elective_____	Elective_____
Elective_____	Elective_____

10th GRADE

1st Semester	*2nd Semester*
English 3_____	English 4_____
MT Gov/Elective	MT Gov/Elective
Math_____	Math_____
Bio 1_____	Bio 2_____
H/PE 3_____	H/PE 4_____
Elective_____	Elective_____
Elective_____	Elective_____

11th GRADE

1st Semester	*2nd Semester*
English 5_____	English 6_____
US History 1____	US History 2____
Math_____	Math_____
Science_____	Science_____
Elective_____	Elective_____
Elective_____	Elective_____
Elective_____	Elective_____

12th GRADE

1st Semester	*2nd Semester*
English 7_____	English 8_____
Gov/Elective____	Gov/Elective____
Math _____	Math _____
Elective_____	Elective_____
Elective_____	Elective_____
Elective_____	Elective_____
Elective_____	Elective_____

PROPOSED SEMESTER, ZERO PERIOD & ONLINE CLASSES FOR 2026-2027

**Classes are subject to change. Zero period & online classes' availability based on enrollment numbers. Please see your Counselor for more information.*

Semester Classes

Business:
Business Independent Study
Entrepreneurship
Finance and Career Prep
Intro to Business
Tech Essentials
Intro to Computer Science
Marketing & Management
Multimedia
Money Management
Work Experience

Electives:
American Indian Studies
AP Microeconomics
AP Macroeconomics
Criminal Justice 1, 2
CTE Internship
Exceptionalities
Humanities
Psychology 1,2
Rustler Wellness
Sign Language
Sociology 1,2
Video Production 1,2
Air Force JROTC (At GFHS)

Family and Consumer Sciences:
Design 3
Fashion Design & Construction 1&2
Developing Child 3-4
FCS Independent Study
Interior Design 1 & 2
Prep for Life

Health Science:
CNA
Medical Terminology

Industrial Technology:
Applied Drafting
Architectural Drafting I
Engineering Drafting II
Drafting 1
Electricity – DC & Residential
IT Independent Study
Metals Manufacturing
Power Technology
Pre-Construction
Welding 1, 2 & 3
Welding 2 Design

Math:
College Algebra 121
College Pre-Calculus 151
Intermediate College Algebra 095

Publications:
Publications Independent Study

Social Studies:
Government
Montana Government Studies
Transitions

Zero Period Classes

Advanced Weight Training
Air Force JROTC (at GFHS)
Art Workshop 1-2
Automotive Tech ASE (2 periods at PGEC)
L.I.F.T (Course meets 2 days a week)

Online Classes

Government
Medical Terminology
Montana Government
US History
MTDA

ART

ART WORKSHOP 1-2

Length of class: Year, 1 credit
Prerequisite: None
Grade level: 9, 10, 11, 12
Fee: $5.00

This one-year course provides students with a comprehensive introduction to the visual arts and prepares them to further study in this content area. Studio experiences in the classroom will give students opportunities to experience a variety of media while developing the student's individual voice and creative problem-solving skills. Students will demonstrate their ability to respond, analyze and interpret their own artwork and the work of others through discussions, critiques, and writings. Students will generate a digital portfolio of artwork.
Art Workshop 1-2 or Art Workshop Honors is a prerequisite to all Studio Level Classes.

ART WORKSHOP 1-2 HONORS

Length of class: Year, 1 credit
Prerequisite: 8th grade instructor recommendation
Grade level: 9 (with current instructor approval)
Fee: $20.00

This one-year course introduces students to a comprehensive introduction to the visual arts and prepares them to further study in this content area. Content and pacing are in alignment to the advanced nature of the course. Studio experiences in the classroom will give students opportunities to experience a variety of media while developing the student's individual style and creative problem-solving skills. Students will demonstrate their ability to respond, analyze and interpret their own artwork and the work of others through discussions, critiques, and writings. Students will generate a digital portfolio of artwork.
Art Workshop 1-2 or Art Workshop Honors is a prerequisite to all Studio Level Classes.

STUDIO LEVEL CLASSES:

CERAMICS/SCULPTURE

Length of class: Year, 1 credit
Prerequisite: Art Workshop 1-2 or Art Workshop 1-2 Honors
Grade level: 10, 11, 12
Fee: $40.00

Sculpture students are expected to become independent thinkers and apply their knowledge of the elements and **principles** of three-dimensional design and concepts to their work. Through the course of their studies, they will explore a variety of media such as metals, wood, wire, paper mâché, found object, ceramics, etc. In ceramics, they will explore both functional and nonfunctional forms using a variety of traditional and innovative processes including hand-building and throwing. Students will demonstrate their ability to respond, analyze and interpret their own artwork and the work of others through discussions, critiques, and writings. Students will maintain a digital portfolio of their artwork.

GRAPHIC DESIGN/PHOTOGRAPHY

Length of class: Year, 1 credit
Prerequisite: Art Workshop 1-2 or Art Workshop 1-2 Honors
Grade level: 10, 11, 12
Fee: $40.00

This course provides a yearlong introduction to visual communication with an emphasis on the organization of the elements and principles of design. Students will work with both analog and digital devices. There will be focus on photography as a fine art process and its historical significance to visual arts. Students will also have an opportunity to work in the dark room with the black and white film process. Students will explore Adobe Creative Suite through Photoshop, Illustrator, and InDesign to create work exploring ideas of typography, font design, book/magazine covers, layout, company branding, and illustration.

PAINTING/PRINTMAKING

Length of class: Year, 1 credit
Prerequisite: Art Workshop 1-2 or Art Workshop 1-2 Honors
Grade level: 10, 11, 12
Fee: $40.00

This course is designed to provide students with an in-depth experience in a variety of drawing and painting techniques such as watercolor, acrylic, oil, tempera, and encaustic. In addition, students will gain experience in a variety of drawing and printmaking techniques such as serigraphy, intaglio, relief printing, and mono printing. Students will develop an understanding of technical processes through application, as well as further develop their ideation and approaches to composition through visual communication. Students will expand on their digital portfolio started in previous course work.

ADVANCED PLACEMENT CLASS

AP ART & DESIGN

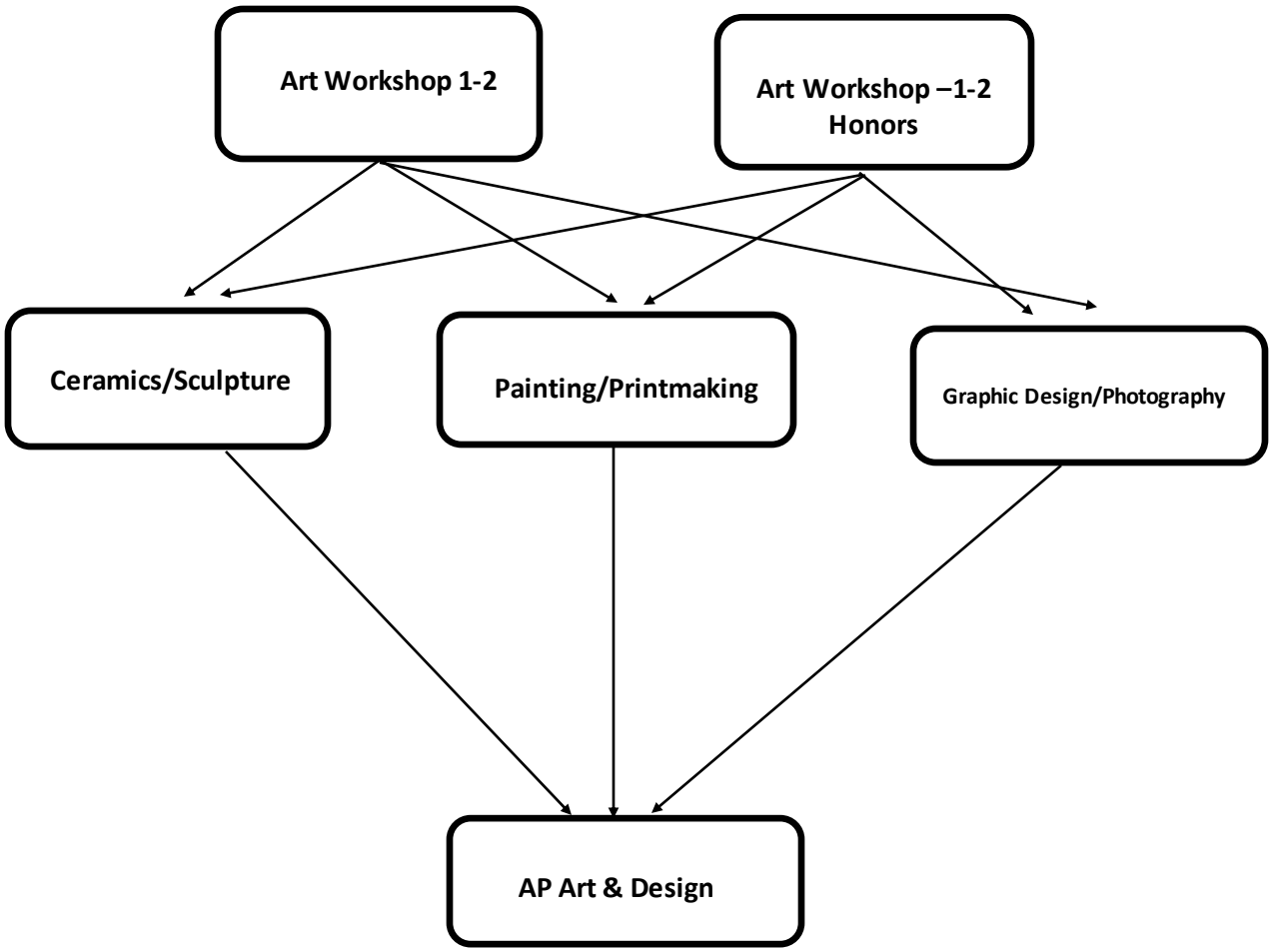
Length of class: Year, 2-credit class (2 periods)
Prerequisite: At least two years of high school art as well as instructor recommendation
Grade level: 11, 12
Fee: $60.00

This course is a college level studio class. It is designed for the serious art student. The AP Art and Design program consists of three different courses and AP Portfolio Exams—AP 2-D Art and Design, AP 3-D Art and Design, and AP Drawing—corresponding to college and university foundations courses. Students may choose to submit any or all the AP Portfolio Exams, however it is recommended that they only attempt one per academic year. Each portfolio consists of two sections: Selected Works and Sustained Investigation. Each portfolio includes works of art and design, process documentation, and written information about the work presented. In May, students submit their portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions. College Board exam fees are in addition to the course lab fee and pay for the College Board exam/portfolio submission. Students may earn three college credits per exam through the AP College Board. If all three portfolios are submitted, students could earn up to nine college credits prior to high school graduation in the visual arts.

FAILURE IN ART CLASS

If a student fails 1st semester, he/she may not be allowed to take 2nd semester without the approval of the instructor.

ART FLOWCHART



BUSINESS

FINANCE AND CAREER PREP

(Graduation-Required)
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade level: 10 (zero period only), 11, 12

Embark on a transformative journey with Finance and Career Prep, a dynamic high school business class that empowers you with essential financial skills and career readiness. Learn the art of personal branding, resume building, and effective networking. Sharpen your interview skills and explore diverse career options. But that is not all! Explore budgeting and smart money management for lifelong financial freedom.

This **graduation-required** course is your passport to success!

TECH ESSENTIALS

Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade level: 9, 10, 11, 12

Get ready to level up your tech game! This course introduces students to essential technology skills needed for success in today's jobs and prepares them for future business courses with the possibility to get Microsoft certified! Students will set learning goals, explore tools to stay organized with file management, and work collaboratively using technology. They will gain hands-on experience with applications like Microsoft Word, Excel, and PowerPoint while also learning how to manage their online presence and use technology responsibly. Topics include email drafting, creating professional documents, analyzing data, delivering presentations, and solving problems with digital tools. Students will be tech-savvy, workplace-ready, and ready to flex their skills in any class.

Finance Pathway

ACCOUNTING (DUAL CREDIT)

Length of class: Year, 1 credit
Prerequisite: None
Grade level: 10, (with instructor approval) 11, 12

Accounting is the "language of business". Anyone wishing to major in business in college will benefit greatly from taking this course. Learn and practice the basics of bookkeeping, including journalizing, posting, preparing financial statements, adjusting, and closing entries for a sole proprietorship, partnership and corporation. Students will use traditional methods as well as new techniques in automated accounting throughout the year.
Dual Credit through Great Falls College MSU is available for this course. (3 credits will be available each semester, so students could earn up to 6 total credits.)

MONEY MANAGEMENT

Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade level: 9, 10, 11, 12

In this high school business class, discover practical money management skills for a confident financial future. Dive into budgeting, investing, credit, banking, taxes, insurance, and consumer decision-making. Beyond basics, explore the art of crafting budgets aligned with goals, investing insights, credit wisdom, and real-life simulations for hands-on experience. Ready to take control of your financial destiny? Join us and gain the skills needed to navigate the complex world of personal finance with confidence.

Business Pathway

INTRO TO BUSINESS

Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: Tech Essentials (highly recommended)
Grade level: 9, 10, 11, 12

Not sure about how business works? This introductory business course is geared toward the basic principles and functions of business. Students will gather a basic understanding of forms of business ownership, entrepreneurship, management, marketing, finance, and business law. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the business world. Employability skills are integrated into activities, tasks, and projects throughout the course to demonstrate the skills required by business and industry.

MARKETING & MANAGEMENT

Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: Intro to Business: Tech Essentials (highly recommended)
Grade level: 9, (with instructor or counselor approval), 10, 11, 12

This course is intended to infuse marketing and management to introduce students to the various components of marketing (getting products and services from producers and consumers) and management (levels of management/types of managers, management theories, and human resources). Subject matter includes the economic importance of marketing, components of a marketing plan, creating a marketing plan, marketing trends, product planning and research, and careers in marketing while introducing the management aspects of all procedures. Management goes hand in hand with all components of business as it takes a manager to set and implement the marketing plan.

ENTREPRENEURSHIP (WITH BUSINESS LAW)

Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: Intro to Business: Tech Essentials (highly recommended)
Grade level: 9, (with instructor or counselor approval), 10, 11, 12

Concepts of Business Law will be covered as they pertain to the entrepreneurship concept. Entrepreneurship is a step-by-step journey through the entire process of owning one's own business. Students will learn how to create/implement a business plan, select a product or service to sell, determine customers, and obtain financing for their business.

BUSINESS INDEPENDENT STUDY

Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: Intro to Business; Tech Essentials (highly recommended); and instructor approval
Grade level: 11, 12

As an active member of DECA or Business Professionals of America, students may use this time to complete projects for competitions at the regional, state, and national levels. In addition, this course is a continuation of a prior course, students may petition to earn credit for working with a community member to complete a hands-on project/product. An example of Business Independent Study is our students working in Rustler Roast.

WORK EXPERIENCE

Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade level: 11, 12

Earn school credit while working outside of school. Class meets one period per week, as per individual arrangement with instructor. Students must be presently employed and work a minimum of 12-15 paid hours per week and no less than 225 total hours for the semester to "Learn & Earn". If you fail semester 1, you may not be allowed to take semester 2.

Technology Pathway

MULTIMEDIA

Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: Tech Essentials
Grade level: 9, 10, 11, 12

Are you ready to dive into the exciting world where technology, creativity, and business intersect? In this high school business class, we explore the dynamic realm of multimedia production, blending artistry with entrepreneurial skills to prepare you for the ever-revolving digital landscape. From mastering the art of digital storytelling with photo editing and AI-driven tools to honing graphic design skills and delving into audio storytelling and podcast production, you'll develop a comprehensive skill set.

Additionally, explore the fundamentals of web design and development, including user experience (UX) and user interface (UI) design, to create visually appealing and user-friendly websites. Join us to bring your creative vision to life at the heart of technology, creativity, and business innovation.

INTRO TO COMPUTER SCIENCE

Length of class: Semester, ½ credit
Prerequisite: Tech Essentials or instructor approval
Level: 10, 11, 12

Intro to Computer Science is a one semester, introductory course that introduces students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the internet, AI, big data, digital privacy and security, societal impacts of computing, and the ways that digital information is encoded, represented, and manipulated. Through this course, students will develop a well-rounded view about data in the world around them. Global issues such as public policy, law, ethics, and societal impact of technology will also be discussed. There will be an emphasis on the principles of software development, style, and testing. At the end of this class, expect to be

proficient using Python to build applications, understand enough about programming to be able to quickly pick up other languages, and have a good understanding of what it takes to plan, analyze, design, implement, and support software applications.

CYBERSECURITY (DUAL CREDIT)

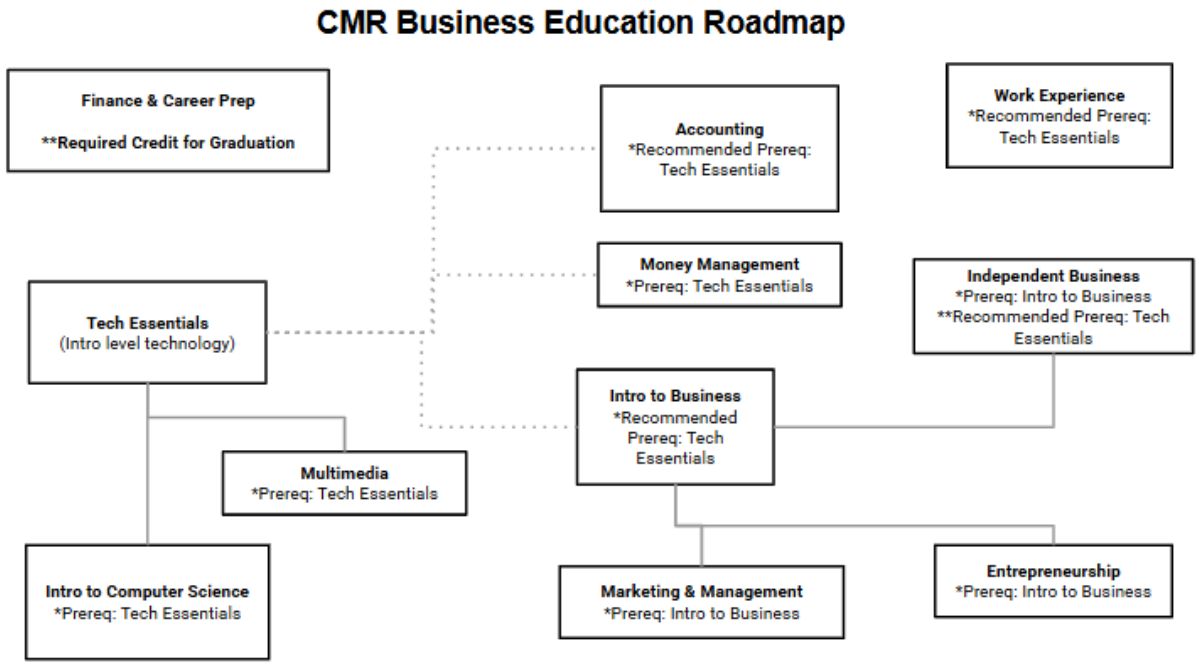
Length of Class: Year, 2 credits
Prerequisite: Intro to Computer Science Principles AND instructor approval
Grade Level: 11, 12

The Cybersecurity pathway prepares students for a career as a system technician/system analyst with a focus on the skills required to understand and conceptualize, design, procure, and/or build secure information technology (IT) systems.

This pathway is a dual enrollment plan with Great Falls College and can lead to an Associate of Applied Science Degree. Upon completion of the Cybersecurity Degree, students will be able to successfully provide the support, administration, and maintenance necessary to ensure effective and efficient information technology (IT) system performance and security as an entry level or higher systems technician/system analyst.

Students registering for Cybersecurity will complete four 8 – Week Advantage courses during the school year and are strongly encouraged to complete English 7-8 during Virtual Academy the summer after their junior year. There are other pathway courses available in the summer and enrollment is strongly recommended.

COST: These courses require payment of fees for: Registration, tuition, course fees, and textbooks. Payment of tuition can utilize the 1-2 FREE plan or scholarships. See your counselor for more information.



ELECTIVES

AIR FORCE JROTC

This class is held at Great Falls High during a modified 7th period, 2:40-3:30 and 2:00-2:45 on PLCT days. Bus transportation is provided from CMR to GFH for the class.

Length of Class: Year, 1 credit (meets the requirement for Career/Technical (CTE) credit)
Prerequisite: None
Grade Level: 9, 10, 11, 12

Air Force Junior Reserve Officer Training Corps (AFJROTC) is a class and program with the objective to develop citizens of character and to develop personal responsibility, character, self-discipline, and leadership. The program's curriculum is designed to prepare students for life after high school (direct workforce, college, or military service) and consists of leadership education, aerospace science, and physical wellness. Leadership education equips students with personal management skills, in addition, teaching students how to be leaders within their school and community. Students are introduced to foundations of good citizenship, communication and leadership, and career life skills. Aerospace Science topics include the history of aviation, science of flight, and exploring space. Health and Wellness is implemented through physical fitness days held one class session per week. To get the most out of the program and be promoted in rank, students are highly encouraged to maintain at least a C- grade in all non-JROTC courses while taking AFJROTC.

AFJROTC is **NOT** a military recruiting program and there is no service obligation associated with the class. However, students will learn and use some aspects of the military such as uniform wear, marching and teamwork as well as followership and leadership skills. Students are graded on meeting the following standards:

- Maintain Air Force grooming standards (shave/haircut/hairstyles/piercings, etc.)
- Wear the uniform issued by AFJROTC during the entire school day 1 time per week*
- Follow all school guidelines and rules and strive to follow the Air Force Core Values of integrity first, service before self, and excellence in all you do.

Community service and extracurricular projects offered as a way to encourage volunteer participation and develop confidence and a sense of accomplishment. Current activities include:
- Color Guard: Presenting the American Flag at events such as football games, local ceremonies, etc.
- Esports: Competitive, team-based video gaming against schools across MT; with scholarship opportunities
- Drill Team: Marching and performance of routines with ceremonial rifles
- Drone Club: Operates drones to expand understanding of flight
- Marksmanship: Practice and compete shooting air rifles at an approved range
- Archery: Train and compete as a JROTC team to shoot bows and arrow: travels to compete
- Flag Team: Raises and lowers the flag weekly, performs flag folding, and retirement ceremonies
- Chorus: Learn and sing the national anthem and other patriotic songs at events with the color guard
- Awareness and Presentation Team: Develop and give presentations to middle and elementary schools
- Art Club: Students create art for the state veteran's hospital; create signs for school events

NOTE: All classes and extra-curricular activity practices take place at Great Falls High School, except archery which is held at Paris Gibson.

*** Except during PE classes and other classes where the uniform would not be appropriate. Additionally, students in their first year of JROTC have an option to wear the JROTC polo on uniform days and not the OCP (camouflage) uniform.**

AMERICAN INDIAN STUDIES

Length of Class: Semester, ½ credit
Prerequisite: None
Grade level: 9, 10, 11, 12

The purpose of this course is to explore American Indian civilization beginning with the Paleolithic Era through contemporary times, with a focus on Montana Indians. Students will understand historical perspectives, cultural aspects, misconceptions, healthcare, economic circumstances, federal policy, and imagery from the perspective of American Indians. This course will implement a variety of multimedia tactics including film, text, and imagery.

AP PSYCHOLOGY

Length of class: Year, 1 credit
Prerequisite: None
Grade Level: 11, 12

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with major units of study, including biological bases of behavior, cognition, development, learning, social psychology, personality, and mental and physical health. Throughout the course, students apply psychological concepts and employ psychological research methods and data interpretations to evaluate claims, consider evidence, and effectively communicate ideas.
The AP Psychology framework is aligned with content and skills used in college-level courses and recommended by the American Psychological Association (APA) Introductory Psychology Initiative. The framework is organized into five units that morrow the content organization recommended by the APA. This framework integrates key skills throughout the course that students need to be successful in subsequent course in psychology. The focus of the framework is to provide the student with a learning experience that support s learning on introductory psychology content and skills.

AP MICROECONOMICS

Length of class: 1st Semester only, ½ credit
Prerequisite: None
Grade level: 11, 12

Can a minimum wage law actually hurt the people at the bottom of the wage market? Do the richest 1% enjoy income and wealth at the expense of the other 99%? How long until humans have completely depleted the planet's finite natural resources?

In addition to the possibility of three college credits, the class will provide answers to the above questions that are uncommon, insightful, and principled. Microeconomics includes concepts and principles that will correct the daily assertions of politicians, bloggers, media outlets and coffee-shop pontificators. This class will explore some core principles of economics to better understand individual choice and behavior and how that relates to the larger world we live in. Students need to be willing to analyze and discuss material at a high level. This class is also designed to prepare students to take and pass the AP Microeconomics exam in May.

AP MACROECONOMICS

Length of class: 2nd Semester only, ½ credit
Prerequisite: AP Microeconomics
Grade level: 11, 12

Can one country use its trade deficit with another country to fund border security between the two countries? Is China "stealing" jobs from the United States, and can Democratic or Republican political candidates who promise to bring those jobs back to this country really deliver? Is the "Bank of the United States" taking money from your piggy bank when it expands the money supply in the US?

In addition to the possibility of three college credits, the class will provide students with answers to these questions – as well as an understanding of how inflation, the rule of law, trade, and central planning impact the wealth of nations. This class will complement Microeconomics but will focus more on economic concepts and forces that shape whole systems or economies. Students will examine the factors that determine the economic success or failure of different countries and organizing systems. Students need to be willing to analyze and discuss material at a high level. This class will prepare students to take the AP Macroeconomics exam in May. This class will also provide students with an understanding of how the rule of law, trade, and central planning impact the wealth of nations.

CRIMINAL JUSTICE I (DUAL CREDIT)

Length of class: 1st Semester **ONLY**, ½ credit; **In order to achieve Dual Credit for this course both semesters must be taken.**
Prerequisite: None
Grade level: 10, 11, 12

The purpose of this course will be to explore the history, role, development, philosophy and theory of criminology and policing. The course will include an introduction to policing agencies and their functions in the administration of justice and career orientation. An examination of the police's role in American society and examination of the various eras of policing, in combination with the structure and style of various police agencies, will also be covered. Agency application of internal and ethical issues including use of force will be examined along with strategies and policies to improve policing and the policing work environment will also be discussed.

CRIMINAL JUSTICE II (DUAL CREDIT)

Length of class: 2nd Semester **ONLY**, ½ credit. **In order to achieve Dual Credit for this course both semesters must be taken.**
Prerequisite: None
Grade level: 10, 11, 12

This course offers a systematic and comprehensive analysis of American courts, and the function and responsibilities of the key personnel within the judicial system. Relevant topics include constitutional law and Supreme Court decisions while highlighting contemporary problems and issues. The course also will address the philosophy and goals underlying correctional interventions, types of criminal sentencing, and penal sanctions including community-based and the death penalty. This course will examine prison climate and inmate subcultures to include riots and violence in prisons.
Students do not need to have 1st semester in order to be in 2nd semester.

CTE INTERNSHIP

Length of class: Semester or Year, ½ or 1 credit
Prerequisite: Instructor permission only
Grade level: 11, 12
Grading: Pass/Fail

We are pleased to share our plan for Work Based learning through Great Falls Public Schools CTE classrooms and our Career Pathway's Program. Our goal is to provide an opportunity for students to gain real world experience and entry-level work skills through a "pre-apprenticeship/internship" with local businesses.

Students in the program have shown an interest and aptitude in a career pathway through their chosen CTE classes. They will be interviewed by teachers and counselors to determine their skill readiness and motivation for this type of commitment. School faculty will regularly check in with the student and employer to make sure the arrangement is meeting the needs of both.

EXCEPTIONALITIES

Length of class: Year, can add at 2nd semester, 1 or ½ credit
Prerequisite: With instructor permission only
Grade level: 11, 12

Students will learn how to work with their peers with disabilities. Students enrolling in this program will be given the opportunity to work one to one or in small groups with their peers. Students in Exceptionalities will be expected to be good role models in and out of the classroom, respect confidentiality, and be willing to take initiative in class.

HUMANITIES (DUAL CREDIT)

Length of Class: Semester, ½ credit
Prerequisite: None
Grade Level: 11, 12

What makes humans distinctly different from the millions of other life forms on Earth? This is a question man has been trying to answer since the dawn of civilization. In Humanities, we will explore the many different ways that humans have tried to answer this question, as well as the many other questions that have arisen along the way. These could be anything from "What makes something 'art'?" to "How can we truly be sure of anything?" to "Why is classical music 'better' than pop music?" The class is for anyone who desires to extend their knowledge through exploration of religion, philosophy, art, music, literature, and more. Along the way, we will focus on learning the critical thinking methods used within the aforementioned disciplines. The material will be presented in a variety of creative ways, but reading, analysis, and discussion will be the heart of the class. The class will also feature an inquiry-based research component to allow students to make their own explorations into topics or questions of interest.
Dual Credit through Great Falls College MSU is available for this course and fulfills three of the six MUS core credit hours required in the Humanities/Fine Arts.

INTRODUCTION TO EDUCATION (DUAL CREDIT)

Length of Class: Year, 1 credit
Prerequisite: None
Grade Level: 11, 12

This course provides an opportunity for students considering a career in education and is meant to be an introduction to American education with an emphasis on the teacher's role inside and outside the school and the school's role in the community. Various educational issues will be examined, including the purposes of public education in America. The interplay between the public and its schools, the interrelationship of curriculum, instruction, classroom management, and school culture; and the challenges of responding effectively to differences in the school setting and the community will be studied. Credit completion includes a field experience in the school setting observing and attending school related meetings.
Dual Credit through Great Falls College MSU is available for this course. This course may be conducted off site.

L.I.F.T. (Listen. Inspire. Foster. Trust.)

Length of Class: Semester, .5 credit
Prerequisite: None
Grade Level: 9,10,11,12

LIFT classes will be held twice weekly during zero period on Tuesdays and Thursdays.

This transformational learning course is designated for students who are passionate about youth mental health. This is a course that empowers students to understand mental health topics facing youth, learn how to recognize mental health signs in their peers, offer strategies, and refer peers to the appropriate resources. This course is facilitated by GFPS District Mental Health Therapists and School Counselors.

Students participating in LIFT will have project opportunities throughout the school year to support the CMR student body with basic needs such as extending their knowledge on mental health topics and community resources, providing hygiene products in bathrooms, sharing coping strategies for daily challenges, and spreading joy to their peers through activities.

Students with LIFT also work with community stakeholders in order to support various organizations through different events and activities, therefore extending their reach far beyond the classroom and gaining leadership skills among peers and within their community.

PRINCIPLES OF LEADERSHIP

Length of class: Year, 1 credit
Prerequisite: None
Grade Level: 9,10,11,12

This course will provide an overview of different culture systems and how culture affects a community, especially a school. Students will learn about tools that will help them become better leaders. We will focus on intentionality of being a leader, creating and upholding standards, building relationships and many other topics. Students will read about and research best practices for leadership, given the opportunity to practice coaching in a leadership system. We will explore the benefits of Transformational leadership over traditional transactional practices of leaders.

PSYCHOLOGY 1

Length of class: Semester, ½ credit
Prerequisite: None
Grade level: 10, 11, 12

The class is an introduction to the study of human behavior. The class focuses on traditional topics including history and scope of psychology, research methods, neuroscience, sensation and perception, consciousness, learning, memory, and intelligence. This class includes discussions, notes, and projects.

PSYCHOLOGY 2

Length of class: Semester, ½ credit
Prerequisite: Psychology 1
Grade level: 10, 11, 12

The class is a continuation of Psychology 1 and the study of human behavior. Topics tend to have an emphasis on the careers available in Psychology. Topics to be covered include personality, disorders, therapy, health psychology, motivation and emotion, social psychology, positive psychology, life-span psychology and criminal psychology. This class includes discussions, notes, and projects.

RUSTLER WELLNESS: EVERYDAY SKILLS FOR THRIVING IN THE 21ST CENTURY

Length of class: Semester, ½ credit
Prerequisite: None
Grade level: 9, 10, 11, 12

Do you need one class period a day during which you can relax, learn strategies to handle the stress of high school life, and learn with and from your peers?

In this semester-long course, students will learn a variety of healthy habits designed to help them navigate what can often seem like an anxiety-ridden, stressful world. Students can expect to actively participate in class activities, including journaling, drawing, writing, volunteering, meditating, and sharing opinions during class discussions. Discussions and homework topics will include social connection, screen time, nutrition, sleep, physical activity, and time management.
By the end of the semester, students will have identified their signature strengths, beginning a lifelong journey into holding themselves accountable for using those strengths to cultivate their own happiness and deal with stress. Students will learn and practice wellness habits that they can use for the rest of their lives.

SIGN LANGUAGE (DUAL CREDIT)

Length of class: 2nd Semester **ONLY**, ½ credit
Prerequisite: None
Grade level: 10, 11, 12 (upper level given preference)

This course is intended for students who have minimal or no American Sign Language (ASL) skills. It focuses on communication skills and includes some of the ASL vocabulary, grammatical principles, and cultural protocols that students need to function at a basic level at work and in social conversations. Class meets every school day during the week, with additional time outside of class for completing course assignments. In this course, students will have an opportunity to develop a basic syntactic knowledge of American Sign Language (ASL), basic vocabulary, and basic conversational skills. Vital aspects of deaf culture and community will be incorporated. The direct experience method, using ASL, will be used to enhance the learning process.
Dual Credit through Great Falls College MSU is available for this course.

SOCIOLOGY 1

Length of class: 1st Semester **ONLY**, ½ credit
Prerequisite: None
Grade level: 11, 12

This class will explore the value of sociological imagination to help students place peoples' lives and important events in broader social contexts by understanding how political, economic, and cultural forces constitute social life. The class will explore a variety of topics including: socialization, society, culture, race, ethnicity, gender, class stratification, deviance, and crime.

SOCIOLOGY 2

Length of class: 2nd Semester **ONLY**, ½ credit
Prerequisite: None
Grade level: 11, 12

This class analyzes human interaction and studies the application of scientific methods in the observation and analysis of social change, norms, groups, intergroup relations, social stratification, institutions, and basic socialization processes. Other topics include but are not limited to: economic and global inequality, families and intimate relationships, population, urbanization and environment, education, religion, collective behavior and mass social movements, and globalization.

TRANSITIONS

Length of class: Semester or Year, ½ or 1 credit
Prerequisites: Referral **ONLY**/approval of administrator
Grade Level: 9

This class is designed to aid 9th graders in finding a successful pathway during their first year of high school. Individual goals are discussed, and a customized plan is designed for each student. The goals will be based on personal interests, strengths, and areas for development. Students must be referred into the course by counselor and/or administration.

VIDEO PRODUCTION

Length of class: Semester, ½ credit
Prerequisite: None
Grade level: 9, 10, 11, 12

The class will provide students an opportunity to explore the video making process from initial conception to audience review. The student will become acquainted with basic video technology to include film history, pre-production planning and storyboarding, camcorder operation, video and audio editing and the critical review of finished work. Students will also be introduced to the basics of broadcast journalism, the history of how a newsroom works, marketing, programming, and modern ethical issues. Video cameras and editors are available for those students who do not own their own.
This course counts toward completion of Career Technical credit.

VIDEO PRODUCTION 2

Length of class: 2nd Semester, ½ credit
Prerequisite: None
Grade level: 9, 10, 11, 12

The class will provide students an opportunity to expand the video making process and not only complete class projects but originate a personal film as well as create broadcast quality television stories. The

student will receive instruction on selected film genre, directing for film, acting for film, screenwriting and technical areas like lighting and animation. Students will work on news programs that highlight issues and stories with CMR. Students will also work to create video projects that will be broadcasted to the school. Video cameras and editors are available for those students who do not own their own.
This course counts toward completion of Career Technical credit.

ENGLISH

Students considering Honors/AP English will be most successful if they have:

1. English grades of A or B
2. Good reading ability, writing, and speaking skills
3. Intellectual curiosity, ethics, and leadership
4. Consistent attendance in school
5. Academic maturity
6. Desire to be an active participant in Honors/AP English
7. Willingness to do summer reading and writing assignments
8. Willingness to read more difficult reading selections at a faster pace and in greater detail than regular English
9. Willingness to read material outside of class

ENGLISH 1-2

Length of class: Year, 1 credit
Prerequisite: 8th grade English
Grade level: 9

The ninth-grade yearlong course offers work in critical viewing, listening, composition, literature, and speaking. Composition will lead to the development of a four to five paragraph composition. Literature will include selections of fiction, drama, poetry, non-fiction, and mythology.

ENGLISH 1-2 HONORS

Length of class: Year, 1 credit
Prerequisite: 8th Grade English teacher recommendation/"C" or better in previous English class
Grade level: 9

English 1-2 Honors is an engaging and challenging course designed for 9th-grade students who are eager to explore the world of literature and language at an accelerated pace. This honors-level class is crafted to build a strong foundation in critical reading, analytical writing, and effective communication. Through a dynamic curriculum that spans various genres, this course aims to inspire a lifelong love of literature while developing essential skills for academic success.

ENGLISH 3-4

Length of class: Year, 1 credit
Prerequisite: English 1-2
Grade level: 10

This 10th grade course offers work in composition, oral communication, viewing, listening, and literature. Composition concentrates on personal and literature-based essays. Fiction, non-fiction, drama, and poetry make up the literature sections.

ENGLISH 3-4 HONORS

Length of class: Year, 1 credit
Prerequisite: English 1-2 and Honors/"C" or better in previous English class
Grade level: 10

English 3-4 Honors is designed for students who are passionate about literature, writing, and critical thinking. This honors-level class aims to deepen our understanding of literature while honing analytical and communication skills. Through a rigorous exploration of diverse literary works, this course will foster a love for literature, cultivate advanced writing abilities, and develop critical thinking skills.

ENGLISH 5-6

Length of class: Year, 1 credit
Prerequisite: English 3-4
Grade level: 11

This 11th grade yearlong course concentrates on the study of American fiction, non-fiction, drama, and poetry. The works of a variety of authors will represent various periods in American literature. Compositions concentrate on analysis and literature-based essays as well as informative and argumentative essays.

ENGLISH 5-6 HONORS

Length of class: Year, 1 credit
Prerequisite: English 3-4 and Honors/"C" or better in previous English class
Grade level: 11

English 5-6 Honors invites students to explore the literary voices that have shaped the American experience. This course aims to delve into the diverse narratives, historical contexts, and cultural perspectives that have defined and continue to shape American Literature. Through rigorous analysis, thoughtful discussion, and refined writing, students will develop a deep appreciation for the complexities of the American identity.

ENGLISH 7-8

Length of class: Year, 1 credit
Prerequisite: English 5-6
Grade level: 12

Students will read and evaluate a wide variety of poetry, essays, drama, and fiction chosen from English and World literature. Composition will be integrated with literature, viewing, and speaking activities. Students will improve their writing skills through practice of the writing process including informative, argumentative, and literature-based essays.

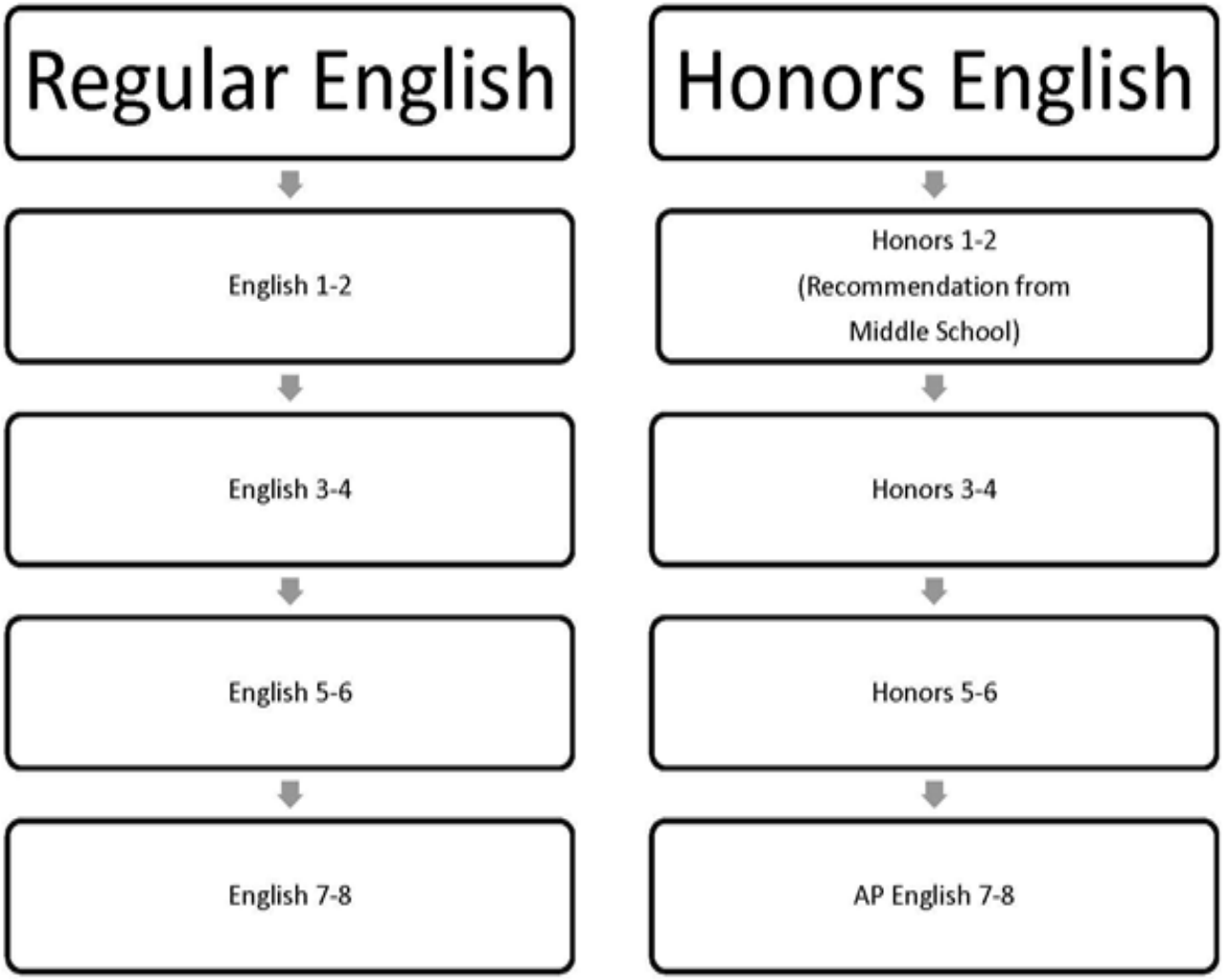
AP ENGLISH 7-8 (DUAL CREDIT)

Length of class: Year, 1 credit
Prerequisite: English 5-6 and Honors/"C" or better in previous English class
Grade level: 12

In AP Literature and Composition, students will embark on a journey through some of the greatest works of literature ever written. Students will explore a variety of genres and periods, from classic novels and plays to modern poetry and short stories. Students will learn to read critically and think deeply about the literature they encounter and develop the skills to write clearly and persuasively about their interpretations.

This course is challenging, but it is also incredibly rewarding. By studying great literature, students will gain a deeper understanding of the human condition and the world around them. They will also develop essential critical thinking and writing skills that will serve them beyond high school.
College credit is available for this course through Great Falls College – Montana State University.

ENGLISH DEPARTMENT FLOWCHART



- HONORS 1-2 ENGLISH IS BY RECOMMENDATION FROM MIDDLE SCHOOL TEACHER
- STUDENTS MAY MOVE FROM REGULAR HONORS ENGLISH OR FROM HONORS ENGLISH TO REGULAR ENGLISH

FAMILY & CONSUMER SCIENCES

DEVELOPING CHILD 1-2

Length of Class: Year, 1 credit
Prerequisite: None
Grade level: 9, 10, 11, 12
Fee $50.00

This class focuses on understanding the development of children in preparation for related career fields. Students will identify concepts of child development from the embryonic and fetal stages to the toddler years with emphasis on family structure, parenting styles, maternal and children's health, developmental theories and domains including: social, emotional, cognitive, and physical in the early childhood years.

DEVELOPING CHILD 3-4

Length of Class: Year, 1 credit
Prerequisite: Developing Child 1 and 2
Grade Level: 11, 12
Fee: $50.00

Focus for this class will be more in-depth work with school-age children in various professions. **This course will be offered onsite at Great Falls High so students will need to arrange their own transportation.**

PREPARATION FOR LIFE

Length of Class: Semester, ½ credit
Prerequisite: None
Grade level: 11, 12
Fee: $5.00

This class focuses on skills students need to transition from high school to adult life. Students will identify their values and goals and apply them to personal relationships, including dating and marriage. Students will also apply personal finance guidelines to choosing housing, buying a car, managing a spending plan, and learning how to use credit wisely to earn a higher credit score.

CULINARY ARTS 1-2

Length of Class: Year, 1 credit
Prerequisite: None
Grade level: 9, 10, 11, 12
Fee $75.00

This class focuses on basic to intermediate food preparation with an emphasis on nutrition, techniques, presentation, and organization. Safe food handling practices will be emphasized. Students may participate in catering opportunities as necessary.

CULINARY ARTS 3/HOSPITALITY

Length of Class: Year, 1 credit
Prerequisite: Culinary Arts 1-2 **with a grade of "C" or better**
Grade level: 10, 11, 12
Fee: $75.00

This class is designed to continue building on the foundation skills of Culinary Arts 1-2. Catering opportunities will provide students with experience in planning, preparing, and serving of meals. Some catering events will occur outside the school day. Students will also be introduced to key elements of the hospitality and tourism industry and will explore careers within this industry.

FASHION, DESIGN & CONTRUCTION 1

Length of Class: Semester, ½ credit
Prerequisite: None
Grade level: 9, 10, 11, 12
Fee: $25.00

This class focuses on preparing students for careers in fashion, design, merchandising, construction, and textiles. Students will learn how to apply design principles to a variety of projects using basic sewing techniques with the conventional sewing machine, serger, and embroidery machine to support design and creativity. Students will begin using patterns to construct garments, and they are responsible for providing project fabric and notions.

FASHION, DESIGN & CONTRUCTION 2

Length of Class: Semester, ½ credit
Prerequisite: Fashion, Design, & Construction 1
Grade level: 9, 10, 11, 12
Fee: $25.00

This class focuses on creativity, design, and incorporating current fashion trends with emphasis on careers and design for profit. This course covers intermediate sewing techniques. Students will create two apparel projects: retro and contemporary while exploring past and current trends. Students will design projects for vinyl and embroidery on computer software and apply the designs to apparel using heat press technology. Students will also participate in preparing Rustler Gear orders.

INTERIOR DESIGN 1 (DUAL CREDIT)

Length of Class: Semester ½ credit
Prerequisite: None
Grade level: 10, 11, 12
Fee: $25.00

This class enables students to explore their creativity in the field of Interior Design. Students will study the elements of design, backgrounds and lighting, and space planning. They will apply that knowledge to designing personal spaces. Students will communicate their designs through both hands-on projects and the use of design software/computer aided design. Career options in the interior design field will be explored.
Dual Credit through Gallatin College MSU is available for this course. Please note dual credit will only be awarded for those taking Interior Design 1 AND 2. Students interested in dual credit will have additional assignments throughout the year.

INTERIOR DESIGN 2 (DUAL CREDIT)

Length of Class: Semester, ½ credit
Prerequisite: Interior Design 1
Grade level: 10, 11, 12
Fee: $25.00

Students will learn about the principles of design and their application to design and decorating choices. Students will also study floor plans, room and furniture arrangement and selection, as well as historical and modern housing styles. A variety of hands-on and CAD projects, including design work involving the High School House, will be completed. Career options in the field of interior design will be explored.

Dual Credit through Gallatin College MSU is available for this course. Please note dual credit will only be awarded for those taking Interior Design 1 AND 2. Students interested in dual credit will have additional assignments throughout the year.

DESIGN 3

Length of Class: Semester, ½ credit
Prerequisite: Interior Design 1 and 2 or Fashion, Design & Construction 1-2 AND instructor permission
Grade level: 11, 12
Fee: $25.00

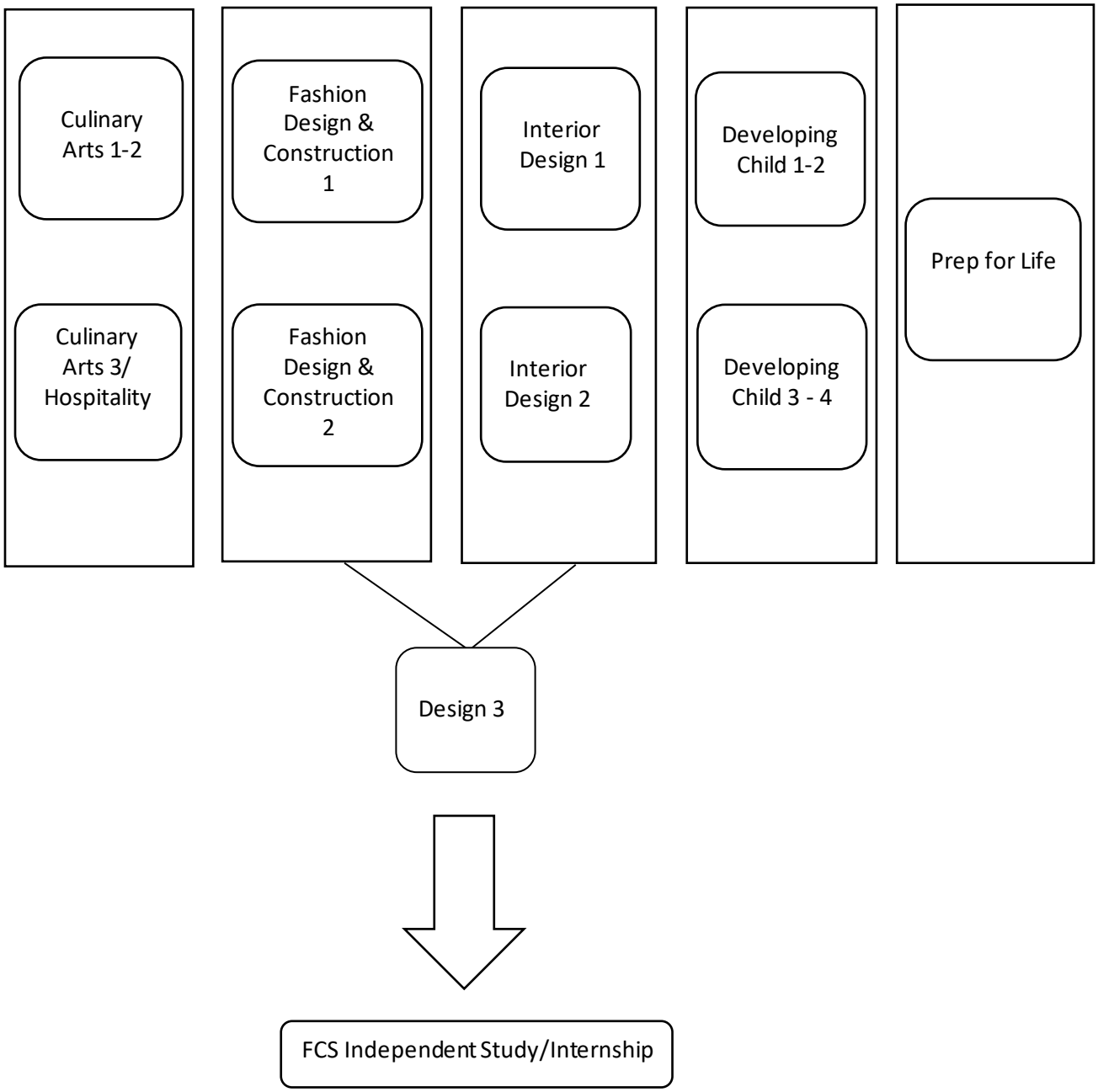
This is an advanced level course will involve independent study. Internships or job shadows in the design field may be a part of this upper-level course. Self-directed students will explore and determine area of study with approval of designated instructor.

FCS INDEPENDENT STUDY/INTERNSHIP

Length of Class: Semester, ½ credit (can be taken full year)
Prerequisite: Previous upper-level courses AND instructor permission
Grade level: 11, 12
Fee: To be determined.

This course is individually designed to suit student needs and specifically for students who would like to continue study in FCS. The supervising teacher will meet with students individually to determine their course of study.

FAMILY CONSUMER SCIENCES FLOWCHART



HEALTH ENHANCEMENT

PHYSICAL EDUCATION 1-2

Length of class: Year, ½ credit; follow the calendar (PE on even days, Health on odd days)
Prerequisite: None
Grade level: 9 (open to 10, 11, and 12 for make-up)

Physical Education is a required course that meets every other day according to the calendar date, opposite Health 1-2. Physical fitness and conditioning are the primary emphasis along with a variety of activities including, but not limited to team sports, individual sports, recreational activities, rhythms and dance, and lifetime activities.

HEALTH 1-2

Length of class: Year, ½ credit; follow the calendar (PE on even days, Health on odd days)
Prerequisite: None
Grade level: 9 (open to 10, 11, and 12 for make-up)

Health is a required course that meets every other day according to the calendar date, opposite Physical Education 1-2. Practical information for overall health and wellness will be presented. Emphasis of study and discussion will be placed on: human body systems, nutrition, healthy relationships, tobacco, alcohol, drug awareness, and prescription medications.

HEALTH 3-4

Length of class: Year, ½ credit, follow the calendar (Health on even days, PE on odd days)
Prerequisite: None
Grade level: 10 (open to 11 and 12 for makeup)

Health is a required course that meets every other day according to the calendar date, opposite one of the four 10th grade physical education electives. Practical information for overall health and wellness will be presented. Emphasis of study and discussion will be placed on stress management, mental and emotional health including suicide prevention, stress and loss, resolving conflict and violence prevention, reproduction from conception to birth, STI's and HIV as well as a variety of body systems.

INDIVIDUAL/DUAL SPORTS

Length of class: Year, ½ credit; follow the calendar (Health on even days, PE on odd days)
Prerequisite: None
Grade level: 10 (open to 11 and 12 for makeup)

This course will meet every other day according to the calendar date, opposite Health 3-4. Individual/dual games and fitness activities is an elective course designed to further expose students to games and lifetime activities that are individual in nature. An emphasis will be placed on specific skills, strategies, and rules necessary to participate in various individual/dual games and activities. Units include, but are not limited to, tennis, Frisbee, folf, yard games, archery, racquet sports, parlor games, hacky sack, spike ball, fitness walking, and fitness testing. This course fulfills the second part of the physical education requirement and may be taken for elective credit as space allows.

TEAM SPORTS

Length of class: Year, ½ credit; follow the calendar (Health on even days, PE on odd days)
Prerequisite: None
Grade level: 10 (open to 11 and 12 for makeup)

This course will meet every other day according to the calendar date, opposite Health 3-4. Team sports is an elective course designed to expose students to games and activities that are dependent on groups and/or teams for participation. An emphasis will be placed on rules, specific skills, and strategies necessary to facilitate activity in a cooperative setting. Units will include but are not limited to football, fitness testing, soccer, Native American games, lacrosse, spike ball, kickball games, basketball, volleyball, doubles racquet sports, floor hockey, team handball, ultimate Frisbee, and softball. This course fulfills the second ½ credit of the physical education requirement and may be taken for elective credit as space allows.

RECREATIONAL ACTIVITIES

Length of class: Year, ½ credit; follow the calendar (Health on even days, PE on odd days)
Prerequisite: None
Grade level: 10 (open to 11 and 12 for makeup)

This course will meet every other day according to the calendar date, opposite Health 3-4. Lifetime Recreational Activities is an elective course designed to expose students to recreational activities that may be utilized for a lifetime of physical activity. An emphasis will be placed on specific skills and rules necessary to enjoy participation in primarily low impact, lifetime recreation. Units will include but are not limited to folf, ultimate Frisbee, fitness testing, outdoor activities, yard games, dancing, basketball, parlor games, racquet sports, volleyball, bowling, cooperative games, juggling, cup stacking, tennis, and softball. This course fulfills the second ½ credit of the physical education requirement and may be taken for elective credit as space allows.

FITNESS ACTIVITIES

Length of class: Year, ½ credit; follow the calendar (Health on even days, PE on odd days)
Prerequisite: None
Grade level: 10 (open to 11 and 12 for makeup)

This course will meet every other day according to the calendar date, opposite Health 3-4. Personal Lifetime Fitness Activities is an elective course designed to expose students to lifetime fitness activities that may be utilized beyond their high school experience. An emphasis will be placed on specific skills and concepts necessary to enjoy participation in lifetime fitness. Units will include but are not limited to yoga/Pilates, aerobic dance, recreational dance, low impact aerobic fitness, muscle toning and weight training, as well as various other fitness related activities. This course fulfills the second ½ credit of the physical education requirement and may be taken for elective credit as space allows.

RUSTLER FITNESS

Length of class: Semester, ½ credit; May be taken consecutive semesters
Prerequisite: PE 1-2
Grade level: 9 (must fill out an academic variance), 10, 11, 12

Rustler Fitness is an elective course designed to enhance levels of aerobic fitness through various dynamic activities. Students can expect to complete a variety of different aerobic workouts including, but not limited to, dance, circuit and interval training, tae-bo, slides, gliders, step aerobics, physio balls, Pilates, yoga as well as fitness games and activities to encourage lifelong fitness.

WEIGHT TRAINING

Length of class: Semester, ½ credit; may be taken consecutive semesters
Prerequisite: PE 1-2
Grade level: 9, 10, 11, 12
Fee: $25.00

Weight Training is an elective course designed to enhance levels of muscular strength and endurance through various strength-training activities. Students can expect to complete four strength-training workouts per week as well as plyometric, speed enhancement, and agility training.

ADVANCED WEIGHT TRAINING

Length of class: Semester, ½ credit; may be taken consecutive semesters
Prerequisite: Must have participated one year in a Weight Training class with a "B" or higher Participation in a sport is encouraged.
Grade level: 10, 11, 12
Fee: $25.00

This class will focus on the advanced lifts of muscle building and maintaining endurance levels for competition. Participation in an extra-curricular sport/activity at CMR is encouraged, but not mandatory. This class is for males and females.

EMPOWER STRENGTH

Length of class: Semester, ½ credit; may be taken consecutive semesters
Prerequisite: None
Grade level: 10, 11, 12
Fee: $25.00

This is a course designed for those wanting an accepting, supportive, and safe environment when working out. They will learn correct lifting techniques, as well as basic training principles and programs. This is a rigorous course in which students should be able to train at a higher intensity to improve their fitness and performance levels. Activities include the use of free weights for basic lifts such as bench press, power clean, front/back squat, deadlift, etc., resistance bands for various strength training exercises and a variety of warm-up, speed/agility and conditioning drills. Course activities emphasize all components of physical fitness.

ADVANCED PHYSICAL EDUCATION

Length of class: Semester, ½ credit; may be taken consecutive semesters
Prerequisite: PE 1-2 and PE 3-4
Grade level: 11, 12

Advanced Physical Education will provide learning opportunities for students to further develop skills and knowledge related to fitness, physical competence, cognitive understanding, and positive attitudes about physical activity that promote a healthy and physically active lifestyle. Students will acquire advanced knowledge and skills in recreational, athletic and lifetime activities. The emphasis is on active participation, sportsmanship, and teamwork. There will be a daily fitness component with a large variety of competitive activities.

WELLNESS FOR LIFE (Offerings based on requests)

Length of class: Year
Prerequisite: 9th Grade Health 1-2/P.E. 1-2, instructor and counselor approval
Grade Level(s): 10

This course will meet every other day according to the calendar date, opposite Health 3-4. This course is designed for the student who may have difficulty with personal fitness and will focus on understanding the

importance of physical activity in a healthy lifestyle. The course will include aerobic activities from walking and jogging, as well as resistance training and other lifetime sports and skills. The course will also include sessions on how to make better dietary and lifestyle choices with personal fitness plans made by students and utilized throughout the semester. Students in this course will also work with some of our students with special needs that are enrolled in P.E. courses.

HEALTH ENHANCEMENT FLOWCHART

Freshman Required
- Health 1-2
- Physical Education 1-2

Sophomore Required
- Health 3-4

One of the following:
- Individual Sports
- Team Sports
- Recreational Activities
- Fitness Activities

Upper-Level Electives
- Advanced Physical Education (grades 11-12)
- Advanced Weight Training (grades 10-12)
- Female Weight Training (grades 10-12)
- Rustler Fitness (grades 9-12)
- Weight Training (grades 9-12)

- Electives may be taken concurrently or consecutively
- Electives may be taken more than one time for credit

HEALTH SCIENCE

The health science classes are designed for students interested in careers in any field of health care (physician, nurse, physical therapist, athletic trainer, veterinarian, dentist, etc.). Students will receive an overview of careers in the healthcare field and prepare to enter a post-secondary healthcare program. The health science program consists of several courses including an internship option. Introduction to Health Occupations and Medical Terminology are prerequisites for all level three health science classes.

MEDICAL TERMINOLOGY (DUAL CREDIT)

Length of class: Semester, ½ credit, **Offered online only**
Prerequisite: None
Grade Level: 10, 11, 12 (Upper grade levels will be given preference)

Dual Credit through Great Falls College MSU is available for this course.

The goals of this course are to promote knowledge of the elements of medical terminology for professional and personal development, the ability to spell and pronounce medical terms, an understanding of medical abbreviations, and an appreciation of the logical method found in medical terminology. This includes word analysis and word building. Knowledge of terms relating to body structures, position, directions, divisions, and planes will be required. *This is an online class that is required prior to entering any level three health science classes.*

INTRODUCTION TO HEALTH OCCUPATIONS

Length of class: Year, 1 credit; students who fail 1st semester must drop the course unless they have teacher and/or administrator approval.
Prerequisite: None
Grade level: 10, 11, 12

This introductory health science course includes an overview of concepts related to becoming a healthcare worker. Topics include history and trends of healthcare and health care fields, careers in healthcare, professionalism, legal and ethical responsibilities, medical terminology, body systems, and medical math. ***This course is a prerequisite for all other health science courses.***

INTRO TO ANATOMY/PHYSIOLOGY

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite: Intro to Health Occupations (may be taken concurrently), Chemistry and Medical Terminology recommended.
Grade level: 11, 12
Fee: $30.00

During this course, the essential principles of human anatomy and physiology are presented through lecture and lab components, including basic chemistry, cell and tissues studies, and an overview of all the body systems. This course is intended to serve as an introductory anatomy course for the allied health field. There will be some dissection in this course. This course includes an opportunity for a job shadow.

ANATOMY & PHYSIOLOGY CTE HONORS

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite: Intro to Health Occupations (must have received a "C" or higher), Biology 1-2, Chemistry, and Medical Terminology recommended.
Grade level: 11, 12
Materials Fee: $30.00

This lecture and laboratory-based course introduces students to the structure and function of the human body. Topics such as the fundamental principles in organic and inorganic chemistry, cellular metabolism, cellular anatomy, cellular biology, and histology will be covered and subsequently applied to the physiology of the body as a whole. Systems to be covered in this course include integumentary, digestive, circulatory, lymphatic, respiratory, urinary, nervous, sensory, musculoskeletal, endocrine, and reproductive. There will be some dissection in this course. This course includes an opportunity for a job shadow.

CNA

Length of class: Semester, .5 credit
Prerequisite: Intro to Health Occupations, Intro to Anatomy and Physiology or Anatomy and Physiology CTE Honors, and Medical Terminology are all recommended but not required.
Grade level: 11, 12 (preference will be given to 12th grade)

The CNA (Certified Nursing Assistant) course is a semester long and is taught by our school nurse and Great Falls College MSU. The CNA course is a blended course with both clinical skill and online content and assessments. The course will prepare students to work as a nursing assistant within the healthcare setting. After successful completion of the CNA course, student must take the certification exam. *The only cost to the CNA course is for the certification exam (varies year to year).*

EMT BASIC (DUAL CREDIT)

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite: Intro to Health Occupations, Introduction to Anatomy and Physiology OR Anatomy and Physiology CTE Honors (may be taken concurrently), Medical Terminology
Grade level: 12
Fee: $35.00 - $50.00 (based on practical testing site)

Dual Credit through Great Falls College MSU is available for this course.

The course will focus on skill development in the primary prehospital responsibilities of the EMT-B. Students will complete BLS CPR certification during the course. Upon successful completion of the course, graduates are eligible to sit for the Montana and National Registry certification examinations. ***If the student chooses to sit for the certification exam, there will be a cost for the travel to the exam and for the exam itself.***

ADVANCED HEALTH SCIENCE

Length of class: Full Year, 1 credit (can be taken for 1 Sem, 1st or 2nd Sem for ½ credit)
Prerequisite: Intro to Health Occupations, Introduction to Anatomy and Physiology OR Anatomy and Physiology CTE Honors, Medical Terminology
Grade Level: 12

Students will work in a cooperative learning environment to review case studies and practical scenarios related to the function of human body systems and current health care issues. Evaluation of these topics will allow students to apply knowledge and skills acquired from previous health science classes. In addition, students will have the opportunity to help select portions of the course curriculum, allowing the content to be tailored to their individual interests and intended health career paths. This student-guided approach ensures the course remains relevant, engaging, and aligned with future professional goals.

HEALTH OCCUPATIONS INTERNSHIP

Length of class: Internship placement of 45 hours for 1 credit
Prerequisite: Intro to Health Occupations, Introduction to Anatomy and Physiology OR Anatomy and Physiology CTE Honors, Medical Terminology
Grade level: 12

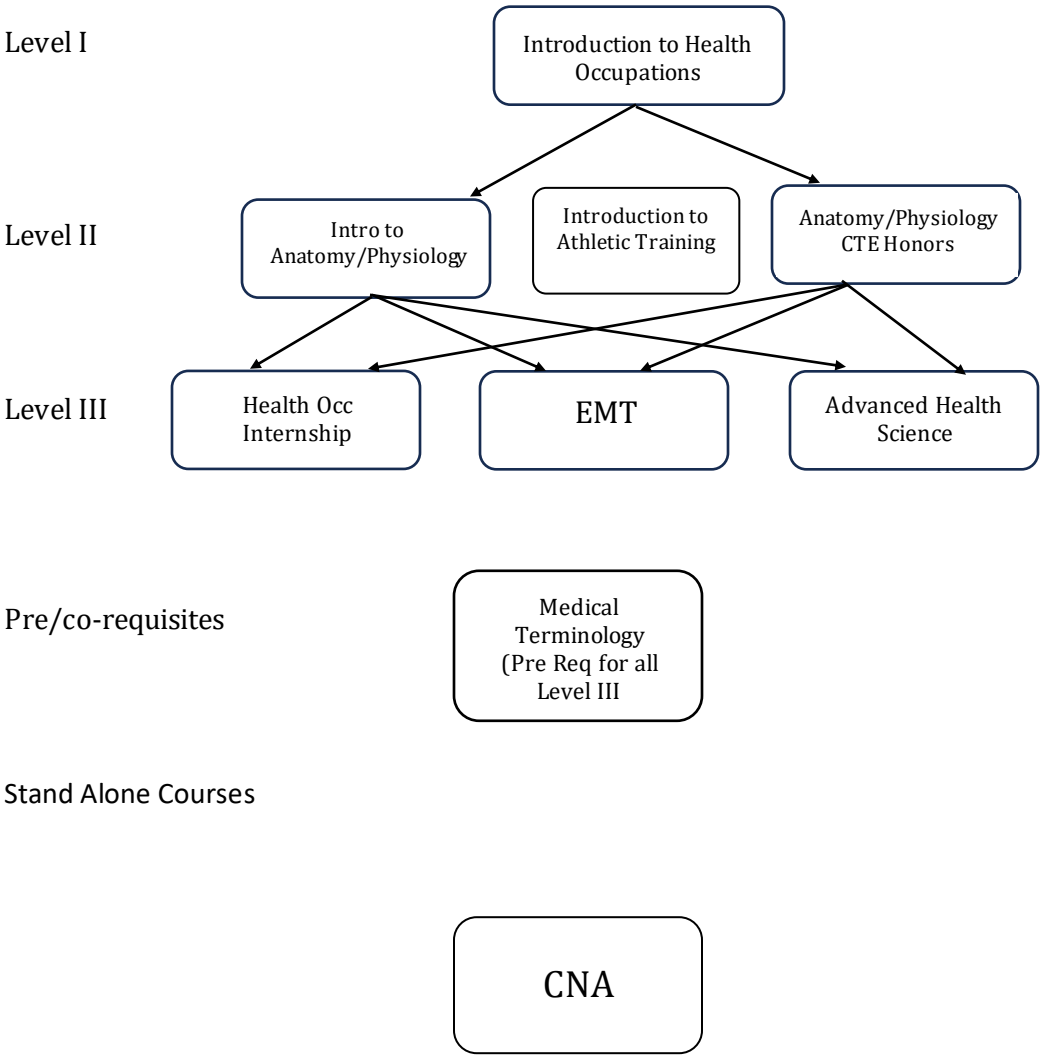
Students will receive high school credit following successful completion of an extensive 45-hour internship in a health-related field. Hours will be determined upon internship placement. This is a full-year course that may not be dropped at semester unless there is an extenuating circumstance that has been approved by the administration in consultation with the course instructor.

INTRODUCTION TO ATHLETIC TRAINING

Length of class: Year, 1 credit
Prerequisite: Intro to Health Occupations
Grade level: 10, 11, 12
Materials fee: $25.00

This course will provide basic instruction and skills needed to administer emergency first aid treatment, taping, immobilization, basic injury evaluation, and basic rehabilitation principles. Basic musculoskeletal anatomy will be covered from head to toe. Students will have the opportunity to learn CPR and First Aid. Introduction to Health Occupations is a prerequisite for this course.

HEALTH SCIENCE FLOWCHART



INDUSTRIAL TECHNOLOGY

INTRO TO INDUSTRIAL TECHNOLOGY

Length of class: Year
Prerequisite: None
Grade level: 9

This is a "hands-on" project-oriented class open to 9th graders only. This course includes the study of basic and safe operation of tools and equipment and technologies in each of the following areas: Woods, Drafting, Metals, and Electronics. Students will spend 9 weeks in each of these classes.
This is the only "shop" class open to 9th graders unless the middle school instructor approves student for upper-level classes.

WELDING 1

Length of class: Semester, ½ credit, 1st Sem
Prerequisite: None
Grade level: (Grade 9 with instructor approval), 10, 11, 12
Fee: $50.00

This course covers the instruction in operation, care, and safety practices in the following areas of welding: Arc welding in the flat horizontal and vertical positions, electrode selection identification and use, weld testing visual and destructive, oxy-acetylene welding torch in the flat and horizontal position, and welding brazing and cutting torch operation.

WELDING 2

Length of class: Semester, ½ credit, 2nd Sem
Prerequisite: Welding 1
Grade level: 10, 11, 12
Fee: $90.00

This course is designed to take the student who has completed Welding 1 further in their course of study in the world of welding. Instruction will be centered around practical, hands-on application welding on both required and student-engineered projects. A real-world emphasis will be placed on the class content by not only improving upon existing welding knowledge but also by working in the factors of cost analysis, shop time and space constraints, correct weld procedure, print leading and layout, and proper selection of equipment and techniques best suited for the project at hand. TIG and MIG welding on both aluminum and steel will be covered in depth, in addition to a closer look at welding processes in Welding 1.

WELDING 2 DESIGN

Length of class: Semester, ½ credit, 2nd Sem
Prerequisite: Welding 1
Grade level: 10, 11, 12
Fee: $90.00

This course is designed to hone the student's skills in various types of welds and processes with an artistic emphasis. The class will be centered around a hands-on approach to creating aesthetic metal sculptures of various types and sizes. Through required projects and procedures, students will have freedom to interpret and create metal art with their own personal flair.

WELDING 3

Length of class: 2nd Semester ONLY, 1 credit (2 Period class)
Prerequisite: Welding 2
Grade level: 11, 12
Fee: $90.00

This course is a chance for continuation of welding in both a technical sense, through equipment and additional skill levels, and in an application sense with project work. Students will get a chance to take all aspects of previously learned metals technology, welding, and machining to the next level. The class is project based and will revolve around both the student's own required individual project work as well as larger mass-produced project work done from a team and marketable business approach. Students will be expected and required to utilize various aspects of CNC (computer numerically controlled) technology-milling, lathe, plasma cutting into project work. Students will be required to design in greater detail and build a series of workable, realistic projects to satisfy a series of skill level benchmarks.

WELDING QUALIFICATIONS II & III (DUAL CREDIT)

Length of class: Full Year
Prerequisite: Completion of Welding 2
Grade level: 12
Fee: *Cost varies year to year*

This is a yearlong college program offered at Great Falls College MSU. The program is available to seniors who have completed Welding II and are on track to graduate. An application and placement test are required as well as a personal interview. Partial tuition scholarships are available. Please see your counselor for more details.

METALS MANUFACTURING

Length of class: Semester, ½ credit
Prerequisite: None
Grade level: 10, 11, 12
Fee: $50.00

This course is designed to further acquaint students with metalworking processes extending in and beyond the scope of the welding shop. The class will have a heavy real-world emphasis on metal machining processes and other associated topics. CNC (computer numerical control) machines and the computer coding and operation of those machines including a mill, lathe, plasma cutter and the computer coding and operation of will be covered in this class. Additional time will be spent on other practical applications of machining, forging, foundry work, and some applicable welding processes. Students will also be required to complete several in-class individual projects in relation to course content.

DC ELECTRICITY

Length of class: Semester, ½ credit
Prerequisite: None
Grade level: 10, 11, 12
Fee: $40.00

This course covers basic theories of electricity and is designed to produce a foundation for training in the electrical and electronics program. A combination study of the basic laws of electricity (Ohm's, Watt's, Kirchoff's, etc.) and extensive practical work with series and parallel circuits, motor construction, magnetism, and the use of basic electrical test instruments, etc. is emphasized. In addition, career opportunities in the electrical industry are investigated. This course exposes students to a wide variety of electronic technologies. Examples of subject matter covered include working safely with electricity, knowing and understanding various electronic components such as speakers, resistors, capacitors, diodes, leads, potentiometers, photocells, transistors, SCRs, timer chips and switches. Students will use the electronics components to build circuits such as radios, automatic night-lights, and sound systems.

RESIDENTIAL ELECTRICITY 2

Length of class: Semester, ½ credit
Prerequisite: DC Electricity or instructor's permission
Grade level: 10, 11, 12
Fee: $50.00

This course teaches the skills necessary to become a residential or commercial electrician and to maintain the electrical system of a personal residence. Subjects covered include electrical safety, generation and transmission, transformers, service entrances, breaker boxes, outlets, switches, wiring of components, doorbells, lighting, heating systems, and A/C motors.

POWER TECHNOLOGY

Length of class: Semester, ½ credit, 1st or 2nd Sem
Prerequisite: None
Grade level: 9, (with current instructor approval) 10, 11, 12
Fee: $40.00

Students will work to disassemble and overhaul a small single cylinder four-cycle engine. Theory of operation of two and four stroke engines is covered. Factors relating to design, construction and operation of small and automotive engines will be covered. The operations of fuel, lubrication, cooling, and ignition systems are covered as well. Shop practices and safety are stressed. Practical experience will include disassembling the small engine, cleaning, measuring and reconditioning parts as needed. The students will then reassemble the engine and make the engine run.

AUTOMOTIVE TECHNOLOGY 3-4

Length of class: Year, 2 credits (2 period class)
Prerequisite: Power Tech and instructor approval
Grade level: (Grade 10 who completed Power Technology during 9th grade), 11, 12
Fee: $80.00 per year

Automotive Technology is a two-credit, two-period per day, yearlong course designed to prepare students for technical training as well as entry-level employment. The following will be covered: engines, electrical, ignition, fuel, and computer control systems. Students may provide their own work project and the supplies needed for repair on student owned vehicles.

AUTOMOTIVE TECHNOLOGY ASE (DUAL CREDIT)

Length of class: Year, 2 credits (2 period class) (CMR students generally take 0 and 1st periods)
Prerequisite: Power Tech, Auto Tech 3-4, and instructor approval
Grade level: 12
Fee: $80.00 per Semester

Automotive Technology will be a limited ASE certification course in which students will have the opportunity to train and test for 2-3 of the 9 total ASE certification areas. **This course will be held at the Paris Gibson Auto Center**. Course work will include both classroom and shop experience. Full ASE certification requires a minimum number of educational and or work experience hours. Because this course will not provide the minimum number of educational hours, students will need to attain additional hours beyond this course to attain full ASE certification in the given areas.
Dual Credit through Helena College UM.

CONSUMER MECHANICS

Length of class : Semester, ½ credit, 1st or 2nd Sem
Prerequisite: None
Grade level 9,10, 11, and 12
Fee: $40.00

Practical experience will include the disassembly of a small engine, finding and comparing manufacturer's specifications with the engine parts to evaluate their condition, and reassembling and making the engine run. Students will also practice basic vehicle maintenance such as oil change and tire rotation. Students will need to provide any supplies for vehicle maintenance (oil, filters, etc.) on student-owned vehicles.

PRE-CONSTRUCTION

Length of class: Semester, ½ credit, 1st or 2nd Sem
Prerequisite: None
Grade level: 9, 10, 11, 12 (or with instructor approval)
Fee: $50.00

This course is designed to give the students an understanding of the theory of house construction including layout and estimation. Emphasis is placed on safe use of hand power equipment. Student projects may include building sawhorses, scaffolding, a playhouse, or shed.

WOODS 1-2

Length of class: Year, 1 credit
Prerequisite: None
Grade level: 9, (with current instructor approval) 10, 11, 12
Fee: $90.00

The course includes the study of safe and basic operation of woodworking machines, kinds of wood, basic wood finishing techniques, and wood joints. CNC routers and laser engravers will be tools introduced to students during the course. Class members will have an opportunity to develop self-reliance, initiative, and responsibility. Second semester, students will have the opportunity to design, construct, and finish furniture that requires more time to complete. Students will be responsible for furnishing their own wood to complete individual project assignments.

WOODS 3-4

Length of class: Year, 1 credit
Prerequisite: Woods 1-2
Grade level: (Grade 10 with completion of Woods 1-2), 11, 12
Fee: $40.00

This course is designed to take the student who has completed Woods 1-2 further in their course of study in the world of woods. Instruction will be centered around practical, hands-on application with wood on both required and student-engineered projects. A real-world emphasis will be placed on the class content by not only improving upon existing woodworking knowledge, but also by working cost analysis, shop time and space constraints, correct jointing procedures, layout, and proper selection of equipment and techniques best suited for the project at hand. Machine/equipment maintenance will also be covered in depth. Students will be responsible for furnishing their own wood to complete individual project assignments.

HIGH SCHOOL HOUSE

Length of class : Year, 2 credits, (2 period class)
Prerequisite: Pre-Construction or Woods 1-2 and/or Instructor Approval
Grade level: 11, 12

Students will build an actual house. This class is based on residential construction and building codes including picking a site, lay out on the site, concrete (forming and finishing), estimating materials, framing walls and roofs, stair construction, drywall installation and taping, and roofing. Students will transport themselves to and from the site.

DRAFTING 1

Length of class: Semester, ½ credit, 1st or 2nd Sem
Prerequisite: None
Grade level: 10, 11, 12
Fee: $20

This course provides for the development of basic drafting principles. Students will use AutoCAD and various drafting methods. Areas covered include orthographic projection, isometric and oblique drawings, dimensioning techniques, assembly drawing, sectioning, and auxiliary views, along with architectural drawings. Careers, educational opportunities, and the basic techniques of Windows are discussed. This is an excellent course for students considering Engineering, Architecture, or Military Services after high school, as well as those students interested in Welding III and High School House.

APPLIED DRAFTING

Length of class: 2nd Semester **ONLY**, ½ credit
Prerequisite: Drafting 1
Grade level: 10, 11, 12
Fee: $20

Applied Drafting 2 is a drafting course designed to advance student skills developed in Drafting 1. This class is designed to help prepare students for the Engineering and Architectural Drafting classes as well as related fields beyond high school.

ARCHITECTURAL DRAFTING

Length of class: 1st Semester ONLY, 1/2 credit
Prerequisite: Drafting 1/Applied Drafting
Grade level: 11, 12

This course develops residential architectural drawings using AutoCAD and Revit. The majority of the time will be spent learning the types of architectural drawings and producing those drawings. The class will, as much as possible, simulate an industrial drafting laboratory. Areas covered and further developed include plot plan, floor plan, elevation drawings, typical wall section, foundation plan, whole house section, presentation drawings, dimensioning techniques, scale drawings, detail drawings, building specifications and building codes. In addition, employment and educational opportunities are explored and discussed.

ENGINEERING DRAFTING

Length of class: 2nd Semester ONLY, ½ credit
Prerequisite: Drafting 1/Applied Drafting
Grade level: 11, 12

This course provides for advanced development of engineering drafting principles using AutoCAD, Inventor, and Windows. The class will, as much as possible, simulate an industrial drafting laboratory. Areas covered and further developed are dimensioning techniques, standard fastener representations, scale drawing, assembly drawing, sectioning, surface developments, and auxiliary views. Students will also develop 3-D drawings of various objects and print assemblies on a 3D printer. In addition, employment and educational opportunities are explored and discussed.

BUILD MONTANA

Length of class: Spring Semester, afternoons (two hours) – one credit
Prerequisite: Any CTE course above/beyond Intro. to Industrial Tech
Grade Level: 12; Theory hours location = PGEC, Lab hours location = various job sites

The Build Montana course is designed to introduce you to the world of commercial construction. This course will offer experiences using heavy equipment, highway building, vertical construction, basic concrete knowledge, and more. GFPS instructors will provide theory work through John Deere University as you learn basic mechanic skills, safety, and workplace readiness. You will work with equipment dealers and community commercial construction partners and mentors as you are introduced to the skills necessary to complete horizontal and vertical building projects such as hospitals, hotels, gas stations, museums, etc. up to and including running heavy equipment. In addition, instructors and industry partners will expose you to opportunities available in the construction trades in our State through additional tours and field trips. Opportunities to obtain your CDL (Commercial Drivers License) may be provided.

INDUSTRIAL TECHNOLOGY INDEPENDENT STUDY

Length of class: Year or Semester, ½ credit per semester
Prerequisite: 2 or more IT credits, with a focus in a certain area, and pre-approved instructor permission.
Grade Level: 12
Fee: Depends on which course student is taking.

This course is designed for students with a special interest in an Industrial Technology area and have focused on that area in the last 3 years.

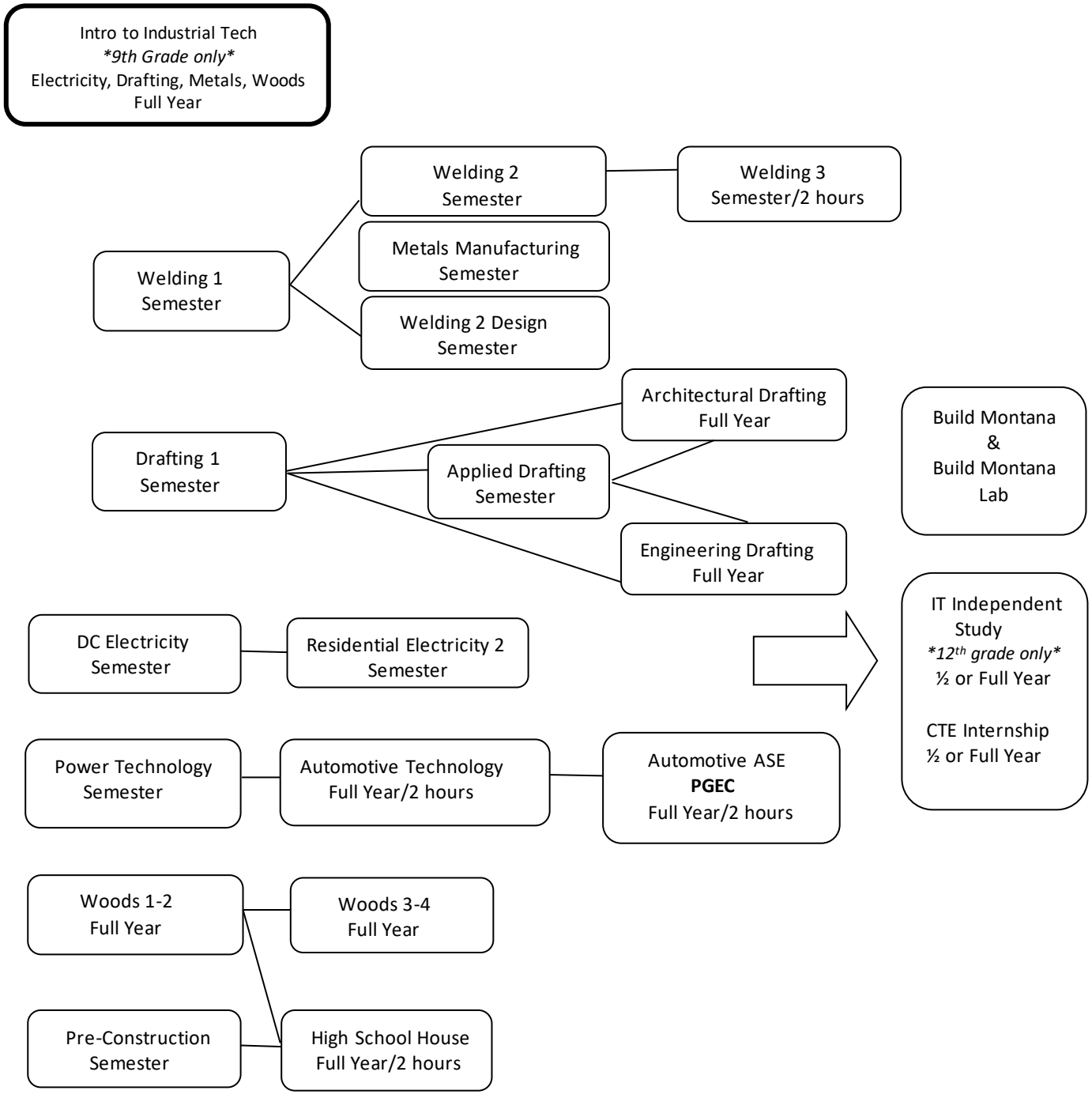
CTE INTERNSHIP

Length of class: Semester or Year, ½ or 1 credit
Prerequisite: Instructor permission only
Grade level: 11, 12
Grading: Pass/Fail

This course provides an opportunity for our students to gain real world experience and entry-level work skills through a "pre-apprenticeship/internship" with local businesses.

Students in the program will have shown an interest and aptitude in a career pathway through their chosen CTE classes. They will be interviewed by teachers and counselors to insure their skill readiness and motivation for this type of commitment. School faculty will regularly check in with the student and employer to make sure the arrangement is meeting the needs of both.

INDUSTRIAL TECHNOLOGY FLOWCHART



MATH

FOUNDATIONS OF MATH

Length of class: Year, 1 credit
Prerequisite: This class is by recommendation only
Grade level: 9, 10, 11, 12

This course provides a foundation for Integrated Mathematics 1. The emphasis is on foundational skills in Algebra, Geometry and Probability that will prepare them for their next two or three years of high school mathematics. Most daily assignments are completed in class.

INTEGRATED MATH I

Length of class: Year, 1 credit
Prerequisite: Foundations of Math or 8th grade math
Grade level: 9, 10, 11, 12

Algebraically, this course covers linear functions, equations and inequalities and their graphs, systems of linear equations and inequalities, exponents and radicals and their graphs, and an introduction to factoring quadratic equations. Geometrically we cover angles, segments, midpoint and distance, transformations and an introduction to triangle congruence. Data collection, displays, and interpretation as they relate to Statistics is also covered. This course uses a combination of class time and work at home on daily assignments.

HONORS INTEGRATED MATH I

Length of class: Year, 1 credit
Prerequisite: Completion of "Honors" eighth grade mathematics with an A or a B, or other evidence of exceptional ability and the recommendation of their eighth-grade mathematics teacher.
Grade level: 9

This course covers all the content of Algebra I but with greater depth in the topics studied as well as additional topics at the discretion of the instructor. This course will provide students with more challenging work, may require more time for assignments outside of class and moves at a faster pace than Algebra I.

INTERMEDIATE ALGEBRA

Length of class: Year, 1 credit
Prerequisite: Algebra I
Grade level: 10, 11, 12

The intent of the course is to strengthen a student's basic algebra and geometry skills in preparation for a geometry course or provide an adequate algebra background to allow students to pursue technical training courses. A review of the 1st year algebra course will be followed by selected topics from geometry, 2nd year algebra and trigonometry concepts. The latter will be an intuitive introduction to topics in these courses with an emphasis on manipulative skills. This course is for the student who received a "low C" or "D" in Algebra I. This course is not recommended for students that have passed Geometry.

INTEGRATED MATH II

Length of class: Year, 1 credit
Prerequisite: Integrated Math I or Intermediate Algebra (C or better advised)
Grade level: 10, 11, 12

Algebraically, this course covers solving and graphing quadratic equations both with and without complex numbers. Geometrically, this course covers relationships, properties and proofs for congruent and similar triangles, quadrilaterals, polygons and circles in both 2 and 3 dimensions. Probability, Data analysis and statistics are also covered. This course uses a combination of class time and work at home on daily assignments.

HONORS INTEGRATED MATH II

Length of class: Year, 1 credit
Prerequisite: Integrated Math I with instructor approval or Algebra IH, (C or better)
Grade level: 9, 10

This course provides students one of the best observations of the development of a structured mathematical system. By starting with a set of terms and a few accepted facts, a complete, logical set of relations is unfolded about points, lines, triangles quadrilaterals, or other polygonal regions. The student will become familiar with both the deductive process and the indirect proof method. These provide a person a fundamental problem-solving approach and open the door to more critical thinking. While the main emphasis will be on plane geometry, the study of some solid geometry (3-dimensional relations) is included. Students who find it necessary to move from this class to Geometry after the school year begins are required to take their grade with them to their new class and this change must be completed by the end of first quarter.

ALGEBRA II/TRIGONOMETRY

Length of class: Year, 1 credit
Prerequisite: Algebra I and Geometry
Grade level: 10, 11, 12

This course will review many topics introduced in Algebra I and pursue these topics in greater detail. Topics covered in this course are graphing and solving – linear, quadratic, polynomial, exponential, rational, radical, and logarithmic functions. Systems of linear equations and the uses of matrices will be covered. Trigonometric concepts covered will include right triangle trigonometry, graphing, identities, law of sines, law of cosines, the unit circle and special right triangles.

ALGEBRA II/TRIGONOMETRY HONORS

Length of class: Year, 1 credit
Prerequisite: Completion of Algebra I Honors and Honors Geometry and/or recommendation by Geometry teacher.
Grade level: 10, 11

Similar to the content in Algebra II/Trigonometry but with greater depth in the topics studied as well as additional topics at the discretion of the instructor. The class will also cover the material presented in a shorter amount of time than in Algebra II/Trigonometry.

INTERMEDIATE COLLEGE ALGEBRA 095

Length of class: 1 semester, ½ credit
Prerequisite: Placement based on ACT (Math Score of 22 or Lower) or Accuplacer score (254-274). (Teacher Recommendation as well from Algebra 2 Trig)
Grade level: 12

This course offers a review of algebra with a deeper emphasis on factoring, systems of equations, determinants, systems of inequalities, rational expressions, radical expressions, complex numbers, quadratic equations, polynomial functions, conic sections, as well as exponential and logarithmic functions. With technology enhancements; the overall goal of the course is to prepare students for a smooth transition to college algebra.

COLLEGE ALGEBRA 121 (DUAL CREDIT)

Length of class: 1 semester, ½ credit
Prerequisite: Algebra II/Trig and instructor permission.
If dual credit is desired, an ACT Score of 23 or Accuplacer score of 275 or greater is needed. Students who do not meet the ACT requirement MUST accuplace in the spring before being able to take this class.
Grade level: 12

This course presents concepts, principles, and methods of college-level algebra. Topics to be covered include polynomial, rational, radical, exponential, and logarithmic functions and their graphs, and real and complex numbers. This course is transferable and is designed to satisfy the general education requirements for graduation from colleges and universities within the Montana University System.
Dual Credit through Great Falls College MSU is available for this course.

PRE-CALCULUS 151 (DUAL CREDIT)

Length of Class: 1 semester, ½ credit
Prerequisite: College Algebra 121 grade of C or higher and instructor permission, ACT Score of 25, or an Accuplacer AAF score of 249 or higher.
Grade Level: 12

This course prepares students for calculus. It covers polynomial, rational, exponential, logarithmic and trigonometric functions from an algebraic and a graphical perspective including solving related equations, inequalities, and applications. Inverse functions, conics, polar coordinates and equations, parametric equations, and trigonometric laws and identities will also be covered.
Dual Credit through Great Falls College MSU is available for this course.

AP STATISTICS

Length of class: Year, 1 credit
Prerequisite: Algebra II/Trigonometry
Grade level: 11, 12

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns and statistical inference.

Students will learn to:

- Observe patterns and departures from patterns through data analysis
- Produce models using probability and simulation

- Decide what and how to measure data involved in a well-planned study
- Select appropriate models for use in statistical inference

Dual credit through Great Falls College MSU is available for this course.

AP CALCULUS

Length of class: Year, 1 credit
Prerequisite: Algebra II/Trig Honors or M121/M151, and teacher recommendation.
Grade level: 11, 12

The AP Calculus class should consist of a full academic year of calculus and related topics. These topics should fall under the headings of:

1. Topics from elementary functions. These topics will be about polynomials, trigonometric, and logarithmic functions. Each will be covered in terms of basic definitions, graphing, solving related equations, inverses, periodicity, etc.
2. Topics from differential calculus. These topics will be finding derivatives of all elementary functions, rules for finding derivatives, problems relating to slope, tangents, extreme values, related rates, curve sketching, and the mean values relationship.
3. Topics from integral calculus. These topics will consist of finding anti derivatives, defining, and using definite integrals, fundamental theorems of calculus, various techniques of integration, application of integration as to area, volume, and other physical properties.

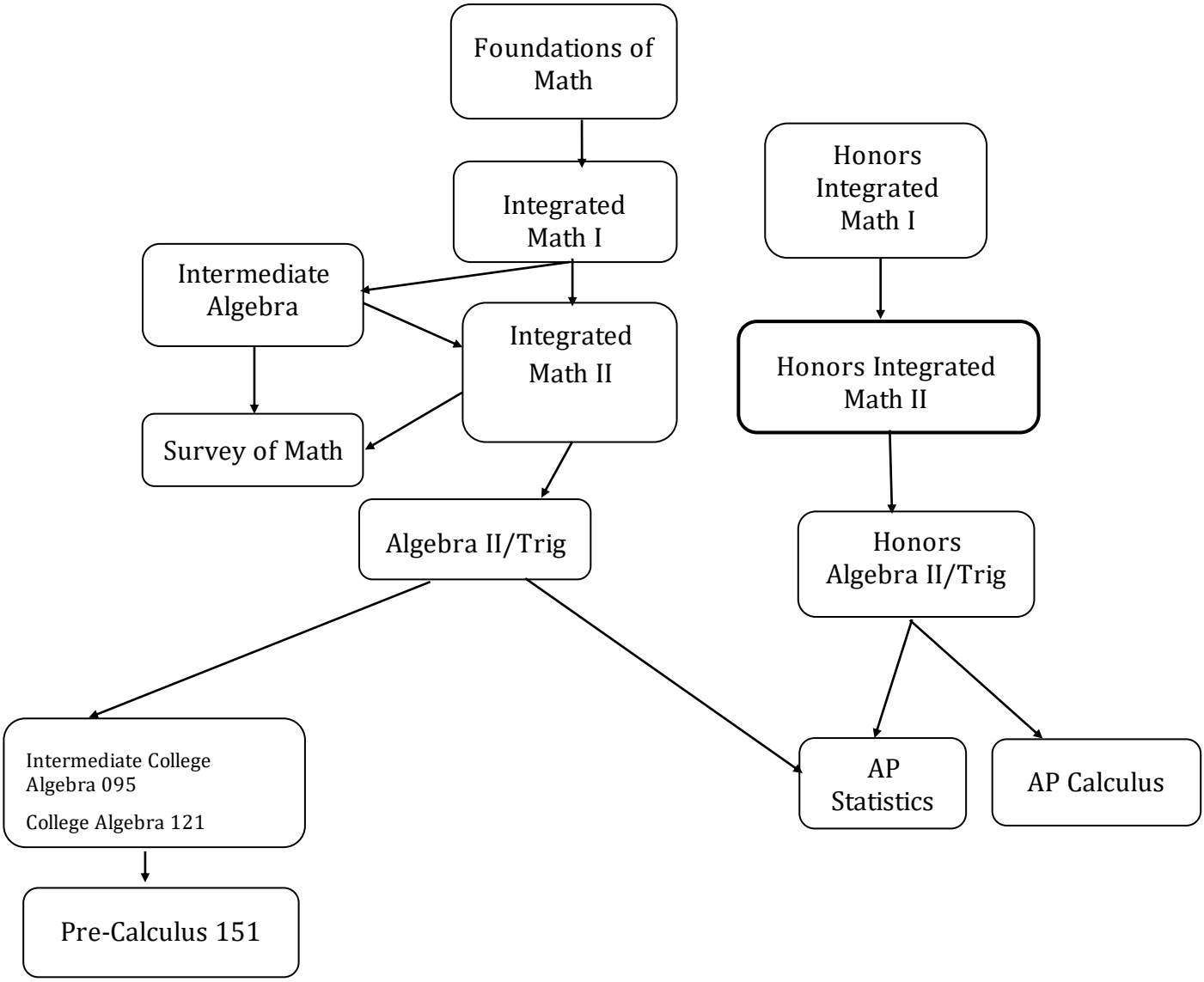
College credit is available for those who successfully complete the AP Calculus exam at the student's expense.

SURVEY OF MATH

Length: Year, 1 credit
Prerequisite: Algebra I; Intermediate Algebra & Geometry recommended
Grade level: 12

Recommendation by a math teacher is REQUIRED for enrollment in this course. This is a course intended for seniors needing a third math credit. Topics studied include personal finance, probability, statistics, applied geometry, and various algebra concepts. Students will at times study current issues taking place in our world and the mathematics involved with those issues.

MATH FLOWCHART



The following classes require special placement by the Math or Special Education Department:

- Foundations of Math
- Survey of Mathematics

Read course description book carefully before placing students in a class & be sure to follow math recommendations. If a student disagrees with their math recommendation, they must resolve that issue with their current Math teacher.

If you know that math is difficult for you, we highly recommend that you also schedule to take a math lab study hall concurrently with your math class.

MUSIC

GUITAR 101

Length of class: Year, 1 credit
Prerequisite: None
Grade level: 9, 10, 11, 12
Fee: $15.00 (guitar rental, fee waived if student has own acoustic guitar to use)

Guitar 101 will introduce students to music and guitar fundamentals. Students will learn how to read music as they master basic guitar chords and strum patterns, play single melodies and perform in a variety of group situations and musical styles. Electric guitars are not used in this class. Students may rent a school acoustic guitar for $15.00 or use their own acoustic guitar.

MUSIC THEORY

Length of class: Year, 1 credit
Prerequisite: Instructor permission, prior music performing experience recommended.
Grade level: 10, 11, 12

Through this honors level course, you will explore music theory, music history, music composition, score study, and piano playing. Music Theory carries honors distinction for graduation and transcript purposes. Those taking the class may opt to take the AP Theory test. The course moves quickly, and students will encounter complex musical situations.

CHOIRS

CHANSON CHOIR – FRESHMEN TREBLE CHOIR

Length of class: Year, 1 credit
Prerequisite: NONE
Grade level: 9
Fee: $10.00 (wardrobe)

This is a choir for all freshman treble voices (sopranos and altos) who are interested in singing. The choir prepares a variety of music selections and participates in four seasonal concerts each year. Concert participation is mandatory. Skills such as sight singing, music theory, and healthy singing technique will be taught in this course, leading to success in upper-level choirs.

SONORE CHOIR – FRESHMEN TENOR/BASS CHOIR

Length of class: Year, 1 credit
Prerequisite: NONE
Grade level: 9
Fee: $10.00 (wardrobe)

This is a choir for all freshman tenor and bass voices who are interested in singing. The choir sings a variety of musical selections and participates in four seasonal concerts each year. Concert participation is mandatory. Skills such as sight singing, music theory, and healthy singing technique will be taught in this course, leading to success in upper-level choirs.

CHACONNE CHOIR – INTERMEDIATE TREBLE CHOIR

Length of class: Year, 1 credit
Prerequisite: SELECTION BY DIRECTOR THROUGH AUDITION PROCESS
Grade level: 10, 11, 12
Fee: $10.00 (wardrobe)

This intermediate treble (soprano and alto) choir prepares a variety of music selections and participates in four seasonal concerts each year. Concert participation is mandatory. Skills such as sight singing, music theory, and healthy singing technique will be reinforced in this course.

CONCERT CHOIR – INTERMEDIATE TENOR/BASS CHOIR

Length of class: Year, 1 credit
Prerequisite: SELECTION BY DIRECTOR THROUGH AUDITION PROCESS.
Grade level: 10, 11, 12
Fee: $10.00 (wardrobe)

This intermediate tenor/bass choir prepares a variety of music selections and participates in four seasonal concerts each year. Concert participation is mandatory. Skills such as sight singing, music theory, and healthy singing technique will be reinforced in this course

CANTIQUE CHOIR – ADVANCED TREBLE CHOIR

Length of class: Year, 1 credit
Prerequisite: SELECTION BY DIRECTOR THROUGH AUDITION PROCESS.
Grade level: 10, 11, 12
Fee: $10.00 (wardrobe)

This choir is the most advanced treble choir at CMR and has a class limit of around 25 singers. A wide variety of musical selections are prepared to be performed at mandatory concerts throughout the year.

CHANTEUR CHOIR – ADVANCED MIXED CHOIR

Length of class: Year, 1 credit
Prerequisite: SELECTION BY DIRECTOR THROUGH AUDITION PROCESS.
Grade level: 10, 11, 12
Fee: $10.00 (wardrobe)

This is a select mixed choir (SATB) that performs on and off campus throughout the year, including overnight trips. Students must be reliable and able to attend all performances/events.

RUSSELLAYRES – SELECT MIXED CHOIR

Length of class: Year, 1 credit
Prerequisite: SELECTION IS BY DIRECTOR THROUGH AUDITION PROCESS; Must be enrolled in Chanteur Choir as well.
Grade level: 11, 12
Fee: $10.00 (wardrobe)

This choir is the most select mixed choir, performing more than any other CMR choir. Russell Ayres performs throughout the community, as well as on overnight trips. Members must be reliable and make a commitment to attend all performances/events.

BANDS

MAVERICK BAND – INTERMEDIATE CONCERT BAND

Length of class: Year, 1 credit
Prerequisite: Previous band experience at the middle school level is required.
Grade level: 9
Fee: $17 (Concert Black Shirt)

Maverick Band offers daily experiences to incoming freshmen who are suited for intermediate level band performance. Basic music fundamentals will be regularly reviewed and developed with the aim of preparing students for promotion to more advanced bands at CMR. Performance expectations include four concerts, one festival, clinics, and two Rustler Marching Band performances (Homecoming and Crosstown). In addition, members of Maverick Band are eligible for participation in CMR Pep Band.

PERCUSSION ENSEMBLE

Length of class: Year, 1 credit
Prerequisite: Previous band experience at the middle school level is required.
Grade level: 9, 10, 11, 12
Fee: $17 (Concert Black Shirt)

Percussion Ensemble will explore all areas of percussion including snare drum, mallets, timpani, auxiliary percussion, and drum set. This class will provide percussion for the Maverick and Rustler Bands. Basic music fundamentals are reviewed and developed with the aim of preparing students for promotion to more advanced bands at CMR. Students will learn important skills in leadership and independence. Performance expectations include two concerts, one festival, clinics, and two Rustler Marching Band performances (Homecoming and Crosstown). In addition, members of Percussion Ensemble are eligible for participation in CMR Pep Band and Drumline.

RUSTLER BAND – ADVANCED-INTERMEDIATE CONCERT BAND

Length of class: Year, 1 credit
Prerequisite: Previous band experience beyond the middle school level is required. Membership is determined by the Director.
Grade level: 10, 11, 12 – Advanced student in grade 9 may be admitted based on audition and recommendation of previous (middle school) director.
Fee: $17 (Concert Black Shirt)

Rustler Band offers daily experiences to sophomores, juniors, and seniors who are suited for advanced-intermediate level band performance. This course may also include advanced freshmen. Basic musical fundamentals are reviewed and developed with the aim of preparing each student for future performance at more advanced levels. Performance expectations include four concerts, one to two festivals, clinics, and two Rustler Marching Band performances (Homecoming and Crosstown). In addition, members of the Rustler Band are eligible for participation in CMR Pep Band.

SYMPHONIC BAND – ADVANCED CONCERT BAND

Length of class:	Year, 1 credit
Prerequisite:	PLACEMENT BY AUDITION ONLY. Previous band experience beyond the advanced-intermediate level is required. Membership in the Symphonic band is based on the player's ability level as determined by the Director.
Grade level:	9, 10, 11, 12
Fee:	$10 uniform rental for all students, $17 (Concert Black Shirt). Tour Fee --TBD

Symphonic Band offers daily experiences to exceptional freshman, sophomore, junior, and senior musicians who are suited for the most advanced level of band performance. Advanced freshmen may be considered if they meet certain minimum standards in maturity and independence, with recommendation of former (middle school) teachers, private teachers, and successful audition. Basic fundamentals are regularly reviewed and further developed in order to perform music of the highest possible caliber. Performances include five to six concerts, three to four festivals, clinics, and two Rustler Marching Band Performances (Homecoming and Crosstown), and other community performances that may arise. Symphonic Band members are strongly encouraged to participate in CMR Pep Band as leaders. The Symphonic Band tours regularly in the spring.

RUSSTONES

Length of class:	Year, 1 credit
Prerequisite:	PLACEMENT BY AUDITION ONLY. Previous band experience in middle school, or beyond, is required. Students must be dual enrolled in a major performing ensemble (Band, Choir, or Orchestra). Students must be in good academic standing.
Grade level:	9, 10, 11, 12
Fee:	$17 (Concert Black Shirt)

Study performance of various styles of jazz and rock music. Performance expectations include four concerts, one to two festivals, and clinics. Russtones regularly travel to Jazz festivals each spring. In addition, the Great Falls Public Schools host an annual Jazz Workshop the first Thursday/Friday of each new calendar year.

ORCHESTRAS

STRING ENSEMBLE

Length of class: Year, 1 credit
Prerequisite: Previous string playing experience in middle school required
Grade level: 9**
Fee: $15.00 (uniform)

String Ensemble offers daily experience rehearsing string orchestra music of all eras matching the playing ability of the group. Students will build on previously learned music skills and expand their knowledge of scales, bowing-styles, shifting and vibrato with the goal of sight-reading music of greater difficulty. In addition, students learn a basic vocabulary of music terms, symbols and note and key signature recognition. An understanding of music history and exposure to compositional techniques is also included. Students must perform outside of the school day at concerts, festivals, and clinics put on by visiting guest artists.

**All freshmen orchestra students must complete this course. They will enroll in the upper-level orchestra classes starting their sophomore year. In String Ensemble, students learn the leadership and independence skills needed before entering the upper-level orchestras. These skills are crucial for the success of both the student and the group and are learned and reinforced throughout the students' freshman year.

CONCERT ORCHESTRA

Length of class: Year, 1 credit
Prerequisite: Previous string playing experience in high school. Students new to CMR must meet with the Orchestra Director to determine placement.
Grade level: 10, 11, 12**
Fee: $15.00 (only if new uniform is needed)

Concert Orchestra offers daily experience rehearsing string orchestra music of all eras matching the playing ability of the group. Students will build on previously learned music skills and expand their knowledge of scales, bowing-styles, shifting and vibrato with the goal of sight-reading music of greater difficulty. In addition, students learn a larger vocabulary of music terms, symbols and note and key signature recognition. An understanding of music history and exposure to compositional techniques is also included. Students must perform outside of the school day at concerts, festivals, and clinics put on by visiting guest artists.

**Students in grades 10, 11, and 12 may enroll in this course, but if they have successfully completed an audition using the current year's Montana All-State Orchestra Materials. This audition happens in the spring of the year prior to enrollment in this course. Students new to CMR must meet with the Orchestra Director to schedule an audition and determine placement.

CHAMBER ORCHESTRA

Length of class: Year, 1 credit
Prerequisite: Previous sting playing experience in high school and by audition only
Grade level: 10, 11, 12**
Fee: $20.00 (dress wearers) or $35 if an additional polo is needed, $34 (tuxedo wearers) or
$49 if an additional polo is needed.

Chamber Orchestra offers daily experience rehearsing string orchestra music of all eras matching the playing ability of the group. Students will build on previously learned music skills and expand their knowledge of scales, bowing styles, shifting and vibrato with the goal of sight-reading music of greater difficulty. In addition, students will learn: a significant symphony orchestra experience, and a larger vocabulary of music terms, symbols, and note and key signature recognition, an understanding of music history and exposure to compositional techniques. Students must perform outside of the school day at concerts, festivals, and clinics administered by the visiting guest artists. This class also gets to represent CMR at festivals and concerts outside of Great Falls.

**Students in grades 10, 11, and 12 may enroll in this course, but ONLY if they have successfully passed an audition using the current year's Montan All-state Orchestra Materials. This audition happens in the spring of the year prior to enrollment in this course. Students new to CMR must meet with the Orchestra Director to schedule and audition and determine placement.

ADVANCED CHAMBER ENSEMBLE

Length of class: Year, 1 credit
Prerequisite: Previous string playing experience in high school and by audition only
Grade level: 10, 11, 12 (must also be a member of Chamber Orchestra)
Fee: No additional fee is required

Chamber Orchestra will be held concurrently, Period 2 (entry only through successful audition)

This class is an upper-level expansion of Chamber Orchestra, much like Russtones for Symphonic Bands and Russelayres for Chanteur. It is truly a "chamber orchestra", with a reduced string count compared to the larger ensembles. This ensemble performs exclusively without a conductor. The conductor would be present for all rehearsals to teach, facilitate, introduce new concepts, leading only, when necessary, but the bulk of the rehearsal is student driven, providing a fertile ground for developing and exploring the skills necessary to be a life-long independent musician. Each student will spend time in the first chair leadership position for all sections throughout the year. A wide range of repertoire selections, mainly works originally written for small string ensemble, would be explored, and performed. Much of this is early music, but a balanced palate of all styles, genres, and composers, including an exploration of alternative genres, composers, and styles (fiddle, jazz, mariachi, etc.) is ensured.

Auditions for this ensemble are held at the same time as Chamber Orchestra auditions. Students simply indicate their desire to join the ensemble at the time of their audition by checking the appropriate box of their application.

STRINGS 101

Length of class: Year, 1 credit
Prerequisite: NONE
Grade level: 9, 10, 11, 12**
Fee: $15.00 (uniform)

This class will be another option for students seeking their one-year fine arts credit. It will be an exploratory introductory survey course. Students will start at the very beginning of learning string music. No prior music experience is necessary to enroll or be successful in this course. This course will be a one-year course only, however, if students feel inclined to continue, they may enroll in String Ensemble or Concert Orchestra the following year (dependent on ability and teacher recommendation). If you always wanted to play violin, viola, cello, or bass and never got involved, now is your chance.

**If students were enrolled in middle school orchestra for either or both years, those students will be enrolled in String Ensemble, NOT Strings 101. If students participated in elementary orchestra but did not in middle school, they will be enrolled in Strings 101 to get them caught up and fill in the gaps. If students are currently enrolled in orchestra, they may enroll in Strings 101 to learn a new instrument. Those students would be enrolled in two concurrent orchestra classes. Students with band, choir, or guitar experience may enroll in Strings 101 if they wish to learn this new area of study. If they are currently enrolled in those classes, they may still enroll in Strings 101. In essence, this class is available to all students, NOT just to those with zero music experience; however, priority will be given to upperclassmen in need of their required graduation credit.

PUBLICATIONS

INTRODUCTION TO JOURNALISM

Length of class: Year, 1 credit
Prerequisite: None
Grade level: 9, 10, 11, 12

In this year-long course, students will learn elements of the journalism and publication process including reporting basics, interviewing, editing, journalistic writing style in various genres (sports, opinion, news), basic digital photography, newspaper and yearbook design and layout, InDesign and Photoshop software, advertising design, journalism history, and the First Amendment. Students can expect to read and view the work of professional journalists, photographers, and designers.

Students should have an interest in media (print, social, and web-based), current events, publishing, and composition. Proficient computer skills such as keyboarding and word processing are recommended. Successful students in this course display self-motivation, good time management skills, a positive attitude, and strong work ethic.

Students will account for their work by building an e-portfolio. Students will have homework, quizzes, and a written semester final. During the semester, students may be given assignments that will appear in the newspaper or online and on www.rustlernews.com.

NEWSPAPER/WEBSITE WORKSHOP

Length of class: Year, 1 credit
Prerequisite: None (Intro to Journalism, Video Production, or Graphic Design are encouraged but not required.)
Grade level: (Grade 9 with permission from instructor), 10, 11, 12

Do you want to document the history of the CMR community? Do you want to express your opinions and shine a journalistic spotlight on your peers and teachers? Join the newspaper staff!

Students should have an interest in media (print, social, and web-based), digital technology, current events, writing, publishing and/or advertising. They also should be interested in the stories of the CMR community.

This workshop places students in individual staff positions with outlined job responsibilities. Staff members will publish (online and/or in print) one or more issues of The Stampede throughout the school year. Staff is responsible for the production of the online news site – www.rustlernews.com.

Students must demonstrate self-motivation by completing specific job tasks independently or within a group dynamic. They must understand the required time commitment before and after school. Staff members demonstrate the following characteristics: observance of details, sincerity, the ability to critically listen, solve problems, integrity, leadership, reliability, honesty, and dedication to the objective of publishing the newspaper in a responsible and ethical manner. Students will account for their work by building an e-portfolio.

YEARBOOK WORKSHOP

Length of class: Year, 1 credit
Prerequisite: None (Introduction to Journalism, Video Production, Graphic Design are encouraged but not required.)
Grade level: 9, (with instructor approval) 10, 11, 12

Are you ready to help create the full-color yearbook that tells the story of the school year? Join yearbook!

Students must have an interest in the stories of the people and events of CMR, digital photography, publishing and composition processes, advertising, and/or business practices. Students must be committed to a full-year course. Enrolling in Yearbook Workshop for only one semester is by permission for early graduates only.

This workshop places students in individual staff positions with outlined job responsibilities based on student applications. Editors and staff must meet the deadlines set by the professional yearbook company, which results in the on-time distribution of the Russellog in May.

Students must demonstrate self-motivation by completing specific job tasks independently or within a group dynamic. A before-and-after-school time commitment is required to take photos and meet deadlines.

Staff members demonstrate the following skills and characteristics: observance of details, the ability to critically listen and solve problems, integrity, leadership, reliability, honesty, and dedication to the objective of publishing the yearbook in a financially sound, responsible, and ethical manner. Students will account for their work by building an e-portfolio.

***A concurrent independent study credit can be earned for extensive hours worked outside the school day pending instructor approval.**

PHOTOJOURNALISM/VIDEOGRAPHY WORKSHOP

Length of class: Year, 1 credit
Prerequisite: None (Yearbook or Newspaper Workshop, Introduction to Journalism, Video Production or Multi-media are encouraged but not required.)
Grade level: 10, 11, 12

Do you want to create photographs that visually tell the story of what is happening at CMR? Sign up for photojournalism! Students should have an interest in web-based media, digital technology, school events, publishing, and digital photography. They should also be interested in telling the stories of the CMR community.

Staff will be responsible for taking photographs and videos of school and community events for both the newspaper and yearbook – as well as for the journalism department's online site – www.rustlernews.com.

Students will publish regular updates to the online site throughout the school year. These updates may include blogs, podcasts, photography, and videos. Students will shoot and post photos and videos online. Students must demonstrate self-motivation by completing specific job tasks independently or within a group dynamic. They must understand the time commitment before-and-after school that is required – including attending sports competitions, drama rehearsals, club meetings, and more. Staff members demonstrate the following characteristics: integrity, leadership, reliability, honesty, and dedication to the objective of creating photographs and publishing content in a responsible and ethical manner.

PUBLICATIONS INDEPENDENT STUDY - JOURNALISM WORKSHOP

Length of Class: Semester, ½ credit, Semester 1 and 2, or Year, 1 credit
Prerequisite: Newspaper, Yearbook, or Online Editor position
Grade Level: 11, 12 (Newspaper or Yearbook editors only)

Students must be an editor of the Russellog, Stampede, or online publications. Independent Study is primarily designed for those editors who would like to take a second hour of journalism.

Students will work on layout, editing, writing, interviewing, and business functions during this independent study period. The independent study is designed to complement the work the editors accomplish in their regular journalism class. It is not designed to replace the regular class period. Self-motivation, good time management, and planning abilities, a positive attitude, and work ethic are characteristics of candidates for this independent study.

SCIENCE

EARTH AND SPACE SCIENCE

Length of class: Year, 1 credit
Prerequisite: None
Grade level: 9

The Earth and Space Science course introduces students to the study of the Earth from a local and global perspective. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the Earth, students will explore Earth cycles, nature of science, and Earth systems. Units will include: plate tectonics, earthquakes and volcanoes, rock cycle, weather and erosion, water cycle, atmosphere and climate, our solar system, and the universe. Upon completion of the course, students will have a clear understanding of the dynamic forces at work in the world around them, becoming better stewards of our planet Earth.

BIOLOGY 1-2

Length of class: Year, 1 credit, students who fail 1st semester may continue 2nd semester.
Prerequisite: Earth and Space Science
Grade level: 10

Biology will cover major areas of the living world with special emphasis on studies of the structure and processes in organisms, ecosystems, heredity, and biological evolution.

BIOLOGY 3-4

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite: Successful completion Biology 1-2.
Grade level: 11, 12
Fee: $25.00

Biology 3-4 is organism-based biology. This course is designed to complement the cell-based sophomore Biology 1-2. In this lab-based class, students will investigate topics that may include classification, microbiology, fungi, zoology, and botany. Students will participate in labs with live organisms as well as several dissections.

ADVANCED PLACEMENT (AP) BIOLOGY

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval. Failing students will be placed in Biology 1-2 at the end of the semester.
Prerequisite: Earth and Space Science and Algebra 1 with a "C" or better. (Chemistry or current enrollment in chemistry is encouraged) Any exceptions to these prerequisites will require instructor permission.
Grade level: 10, 11, 12 (Sophomores will need instructor approval) (Seniors will be given preference).
Fee: $15.00

AP Biology is an advanced science course intended to help prepare students interested in taking the AP test to earn college credit. Course topics include the chemistry of life, cell structure and function, cellular energetics, cell communication and cell cycle, heredity, gene expression and regulation, natural selection, and ecology. This course also focuses on science practices through the use of labs and lab design. Class discussion is used to help students understand complex topics.

ANATOMY/PHYSIOLOGY CTE HONORS

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite: Intro to Health Occupations (must have received a "C" or higher), Biology 1-2, Chemistry and Medical Terminology recommended.
Grade level: 11, 12
Fee: $30.00

This lecture and laboratory-based course introduces students to the structure and function of the human body. Topics such as the fundamental principles in organic and inorganic chemistry, cellular metabolism, cellular anatomy, cellular biology, and histology will be covered and subsequently applied to the physiology of the body as a whole. Systems to be covered in this course include integumentary, digestive, circulatory, lymphatic, immune, respiratory, urinary, nervous, sensory, musculoskeletal, endocrine, and reproductive. There will be some dissection in this course.

GENERAL CHEMISTRY

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite: Successful completion of Earth and Space Science and Biology 1-2 (must pass both).
Grade level: 10 (with instructor permission), 11, 12

This introduction to modern chemical principles is designed for students needing assistance with math. Topics include atomic structure, chemical bonding, chemical reactions, and acid-base systems. One of the major purposes of the course is to show how these concepts relate to the world around us. Laboratory experiments will be used to support lecture materials. This course does not include as much emphasis upon chemical theory as does the Honors Chemistry course.

HONORS CHEMISTRY

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite: Successful completion of Earth and Space Science, Biology 1-2, and Algebra I with a grade of "C" or better.
Grade level: 10 (with instructor permission), 11, 12

This course is a rigorous introduction to modern chemical principles for those with a strong math background planning to continue in science related fields. Topics include atomic theory and structure, periodic properties, mole relationships, ionic and covalent bonding, chemical reactions of everyday life, behavior of gases, law of conservation, nuclear reactions, energy, chemical change, chemical equilibrium, acids and basis, and oxidation-reduction reactions. Laboratory oriented with emphasis upon understanding why and how. This course incorporates more chemical theory and mathematical analysis than the General Chemistry course.

ADVANCED PLACEMENT (AP) CHEMISTRY

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite: One year of Honors Chem (or equivalent) and Algebra I & II, both with at least a "C" grade or better.
Grade level: 11, 12
Fee: $20.00

Advanced Placement Chemistry is a second-year chemistry course at CMR. A student may take this class only after completing either General Chemistry or Honors Chemistry. This chemistry course builds upon the concepts presented in these two classes to prepare students to be successful in the field of chemistry. Students will continue to learn through formal studies as well as guided and full inquiry methodologies. Thermodynamics, electrochemistry, and chemical equilibrium are major themes within this class. The students will be in a formal laboratory setting performing experiments for 25% of the allotted class time. At the end of the year, the students will have an opportunity to take the AP Chemistry test.

APPLIED PHYSICS 1-2

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite: Earth and Space Science and Algebra Prep or instructor permission.
Grade level: 10, 11, 12
Fee: $15.00

Applied Physics is an inquiry and project-based class. Students can expect to build bridges, boats, wings, bottle rockets, motors, and wind generators. Students will be given background information in Newtonian mechanics, fluid dynamics, and basic electricity to understand good design choices with their projects. Students will use Microsoft Word and Excel to communicate their findings with others.

GENERAL PHYSICS 1-2

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite: Earth and Space Science and Algebra I.
Grade level: 11, 12

General Physics is an inquiry-based approach to physics. Emphasis is on conceptual understanding with less math than AP Physics. This course will include a general study of forces, motion, gravitation, energy, waves, light, electricity, and magnetism. If time permits, additional topics relating to nuclear applications and quantum theory will be covered.

ADVANCED PLACEMENT (AP) PHYSICS

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite: Earth and Space Science, Algebra I and Algebra II/Trig with at least a "C" grade (can take Algebra II/Trig concurrently).
Grade level: 11, 12

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion), work, energy, power, mechanical waves and sound, and introductory simple circuits. AP Physics has been designed as a course equivalent to the algebra-based college-level physics class. At the end of the course, students will have the opportunity to take the AP Physics 1 Exam, which will test their knowledge of both the concepts taught in the classroom and their use of the correct formulas.

ASTRONOMY

Length of class: Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite: Successful completion of Earth and Space Science and Biology 1-2/AP Biology (10th graders may take concurrently).
Students should have passed Algebra I with "C" or better.
Grade level: 10 (with concurrent enrollment in Biology 1-2), 11, 12

Are you ready to discover the secrets of the universe and explore the wonders of the night sky? For centuries, people have been fascinated by the realm beyond Earth and the discoveries that await! Astronomy is a great endeavor for those with a curious mind. Emphasis is on an experimental approach to answer questions such as: What does the birth and death of stars look like? What is the universe and what makes it up? What is the nature of black holes, supernovas, and distant galaxies? How did the universe begin?

Topics include astronomical observation, the solar system, birth and death of stars, galaxies, and the evolution of the universe. This class will require at least average math skills (Algebra I) and may require some night sky observations to be made outside of class.

FORENSIC SCIENCE 1-2

Length of class:	Year, 1 credit, students who fail 1st semester must drop the course unless they have teacher and/or administrative approval.
Prerequisite:	Successful completion of Earth and Space Science and Biology 1-2.
Grade level:	11, 12
Fee:	$20.00

Forensic Science deals with the study of physical and/or chemical evidence left at the scene of a crime. This multi-disciplinary course creates a link among biology, biotechnology, chemistry, and physics. By applying these sciences, the forensic investigator can analyze a crime scene. The class teaches the students how to collect all clues and evidence and organize them in a way that explains events. This class also is intended to expose students to various laboratory skills commonly used during forensic investigation. Students will enjoy participating in this class if they are interested in chemistry, molecular biology or physics in a concentrated, hands-on setting. Fingerprints, hair, fibers, blood, DNA, handwriting, documents, tool marks, etc. will be topics of investigation. Presenting data/evidence in front of the class is an expectation within this course/field. Students must maintain an accurate laboratory notebook and be highly motivated.

Science Department Flow Chart

Earth and Space Science
9th Grade

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Biology 1-2
AP Biology
10th Grade

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3rd year of science (required)
Choose from the following
Biology 3-4
Requires Bio 1-2
General Chemistry
Designed students going into tech school.
Applied Physics
Designed for student going into one of the trades or into trade school.
General Physics
Recommended Algebra I with C or better.
Forensics
Designated for students with a varied science background.
Geology
Requires Earth & Space Science.

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4th year of science (optional)
Choose any third-year science

3rd year of science (required)
Choose from the following:
Biology 3-4
Requires Bio 1-2
AP Biology
Honors Chemistry Recommended.
General Chemistry
Designed for tech school or liberal arts college student.
Honors Chemistry
Requires Algebra I with a C or better.
Designed for science college student.
General Physics
Recommended Algebra I with C or better.
Designed for liberal arts college student.
AP Physics
Requires Algebra II/Trig or concurrent enrollment. Designed for math/science/engineering college student.
Forensics
Designed for students with a varied science background.
Astronomy
Requires Earth & Space Science & Biology 1-2/AP Bio
Intro to Anatomy/Physiology
Requires Intro to Health Occupations and Chemistry.
Anatomy/Physiology CTE Honors
Requires Intro to Health Occupations and Bio 1-2.

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4th year of science (recommended)
Choose any third-year science or:
AP Chemistry
Requires Honors Chemistry

The Science Department believes that a student is best prepared for life after high school by taking the widest possible variety of science courses.

SOCIAL STUDIES

ESSENTIALS OF WORLD HISTORY

Length of class: Year, 1 credit
Prerequisite: None
Grade level: 9

Students will study world history from the Renaissance to modern times, which will include cultural, political, military, and economic factors in the development of world cultures and their impact on modern society. The year is divided into units covering history in Europe, Asia, Africa, and the Americas, including an emphasis on geography.

MONTANA GOVERNMENT STUDIES

Length of class: Semester, ½ credit, 1st & 2nd Sem, *(may be available online based on enrollment)*
Prerequisite: None
Grade level: 10, 11, 12

This one class will cover the history and growth of Montana and its state government. A specific focus will be given to tribal government and to the unique status of the tribes as provided by the U.S. Constitution, treaties, and federal laws.

U.S. HISTORY

Length of class: Year, 1 credit, (*may be available online based on enrollment)*
Prerequisite: None
Grade level: 11, 12

This course will cover historical events in American history beginning with Colonial America and moving through the 19th Century and into the Modern Era. The goal of this class is for students to gain an understanding of the beginnings of our nation and how those events have shaped our country. Major topics covered in the first semester will include the French and Indian War, the Revolution, the Constitution, Western Expansion and Slavery, the Civil War and Reconstruction, Western Expansion, Industrialization and Imperialism, and the Progressive Era. Second semester will continue the development of America. Major topics will include World War I, the Depression, World War II, the Cold War, The Turbulent 60's, Vietnam, Watergate, and issues of recent history. Students will gain an understanding of U.S. development and how world events have impacted the United States.

AP US HISTORY (DUAL CREDIT)

Length of class: Year, 1 credit
Prerequisite: Students are expected to take the AP test. Seniors may take the class as a history elective.
Grade level: 11

Students may opt to take this for both high school and college credit, with up to six semester credits granted by Great Falls College-Montana State University. It also may be taken as preparation for the AP exam. Students who choose the AP option should take the AP test. Students who choose the college credit option may still take the AP test if they choose. Both the dual credit and AP options require a fee to be paid by the student. The course will provide a rigorous analysis of American history from pre-European contact up to the present. The history of the nation will be examined from the sociological, political, economic, and foreign affairs viewpoints. Major topics will include Colonial Development, America's War for Independence, Constitution and New Republic, Early Federal Period, Economic Expansion, Westward Expansion, Sectionalism, Civil War Era, World War I, Depression of 1930's, World War II, Post World War II Era, Vietnam and Nixon, and issues of recent history. **Dual Credit through Great Falls College MSU is available for this course.**

GOVERNMENT

Length of class: Semester, ½ credit, 1st & 2nd Sem, (*may be available online based on enrollment)*
Prerequisite: None
Grade level: 12

Government is designed to help seniors understand the workings of all levels of government. It contains units covering the foundation of American government, the Constitution, interest groups, political parties and national government structures. Related topics will include current political events and some information about comparative political systems.

AP GOVERNMENT (DUAL CREDIT)

Length of class: Year, 1 credit (1st semester counts as an Elective Credit, 2nd semester fulfills the Government graduation requirement. Both semesters are required for enrollment in this course.)
Prerequisite: None
Grade level: 12

Students may opt to take this for both high school and three college semester credits. It also may be taken as preparation for the AP test. Students who choose the AP option should take the AP test. Students who choose the college credit option may still take the AP test if they choose. Both the dual credit and AP options require a fee to be paid by the student. Government is designed to help seniors understand the workings of all levels of government. It contains units covering the foundation of American government, the Constitution, interest groups, political parties, and national government structures. Related topics will include current political events and some information about comparative political systems. Students in AP Government should expect a far more rigorous course than a regular government class. Students are expected to purchase the textbook and complete some reading of the text over the summer. *If students decide to drop this class after 1st semester, they will have to enroll in a 2nd semester regular Government class to fulfill their graduation requirement.*
Dual Credit through Great Falls College MSU is available for this course.

AMERICAN INDIAN STUDIES

Length of Class: Semester, ½ credit
Prerequisite: None
Grade level: 9, 10, 11, 12

The purpose of this course is to explore American Indian civilization beginning with the Paleolithic Era through contemporary times, with a focus on Montana Indians. Students will understand historical perspectives, cultural aspects, misconceptions, healthcare, economic circumstances, federal policy, and imagery from the perspective of American Indians. This course will implement a variety of multimedia tactics including film, text, and imagery.

AP MICROECONOMICS

Length of class: 1st Semester only, ½ credit
Prerequisite: None
Grade level: 11, 12

Can a minimum wage law actually hurt the people at the bottom of the wage market? Do the richest 1% enjoy income and wealth at the expense of the other 99%? How long until humans have completely depleted the planet's finite natural resources?

In addition to the possibility of three college credits, the class will provide answers to the above questions that are uncommon, insightful, and principled. Microeconomics includes concepts and principles that will correct the daily assertions of politicians, bloggers, media outlets and coffee-shop pontificators. This class will explore some core principles of economics to better understand individual choice and behavior and how that relates to the larger world we live in. Students need to be willing to analyze and discuss material at a high level. This class is also designed to prepare students to take and pass the AP Microeconomics exam in May.

AP MACROECONOMICS

Length of class: 2nd Semester only, ½ credit
Prerequisite: AP Microeconomics
Grade level: 11, 12

Can one country use its trade deficit with another country to fund border security between the two countries? Is China "stealing" jobs from the United States, and can Democratic or Republican political candidates who promise to bring those jobs back to this country really deliver? Is the "Bank of the United States" taking money from your piggy bank when it expands the money supply in the US?

In addition to the possibility of three college credits, the class will provide students with answers to these questions – as well as an understanding of how inflation, the rule of law, trade, and central planning impact the wealth of nations. This class will complement Microeconomics but will focus more on economic concepts and forces that shape whole systems or economies. Students will examine the factors that determine the economic success or failure of different countries and organizing systems. Students need to be willing to analyze and discuss material at a high level. This class will prepare students to take the AP Macroeconomics exam in May. This class will also provide students with an understanding of how the rule of law, trade, and central planning impact the wealth of nations.

CRIMINAL JUSTICE I (DUAL CREDIT)

Length of class: 1st Semester **ONLY**, ½ credit; **In order to achieve Dual Credit for this course both semesters must be taken.**
Prerequisite: None
Grade level: 10, 11, 12

The purpose of this course will be to explore the history, role, development, philosophy and theory of criminology and policing. The course will include an introduction to policing agencies and their functions in the administration of justice and career orientation. An examination of the police's role in American society and examination of the various eras of policing, in combination with the structure and style of various police agencies, will also be covered. Agency application of internal and ethical issues including use of force will be examined along with strategies and policies to improve policing and the policing work environment will also be discussed.

CRIMINAL JUSTICE II (DUAL CREDIT)

Length of class: 2nd Semester **ONLY**, ½ credit. **In order to achieve Dual Credit for this course both semesters must be taken.**
Prerequisite: None
Grade level: 10, 11, 12

This course offers a systematic and comprehensive analysis of American courts, and the function and responsibilities of the key personnel within the judicial system. Relevant topics include constitutional law and Supreme Court decisions while highlighting contemporary problems and issues. The course also will address the philosophy and goals underlying correctional interventions, types of criminal sentencing, and penal sanctions including community-based and the death penalty. This course will examine prison climate and inmate subcultures to include riots and violence in prisons.
Students do not need to have 1st semester in order to be in 2nd semester.

PSYCHOLOGY 1

Length of class: Semester, ½ credit
Prerequisite: None
Grade level: 10, 11, 12

The class is an introduction to the study of human behavior. The class focuses on traditional topics including history and scope of psychology, research methods, neuroscience, sensation and perception, consciousness, learning, memory, and intelligence. This class includes discussions, notes, and projects.

PSYCHOLOGY 2

Length of class: Semester, ½ credit
Prerequisite: Psychology 1
Grade level: 10, 11, 12
The class is a continuation of Psychology 1 and the study of human behavior. Topics tend to have an emphasis on the careers available in Psychology. Topics to be covered include personality, disorders, therapy, health psychology, motivation and emotion, social psychology, positive psychology, life-span psychology, and criminal psychology. This class includes discussions, notes, and projects.

AP PSYCHOLOGY

Length of class: Year, 1 credit
Prerequisite: None
Grade Level: 11, 12

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with major units of study, including biological bases of behavior, cognition, development, learning, social psychology, personality, and mental and physical health. Throughout the course, students apply psychological concepts and employ psychological research methods and data interpretations to evaluate claims, consider evidence, and effectively communicate ideas.
The AP Psychology framework is aligned with content and skills used in college-level courses and recommended by the American Psychological Association (APA) Introductory Psychology Initiative. The framework is organized into five units that morrow the content organization recommended by the APA. This framework integrates key skills throughout the course that students need to be successful in subsequent course in psychology. The focus of the framework is to provide the student with a learning experience that support s learning on introductory psychology content and skills.

SOCIOLOGY 1

Length of class: 1st Semester **ONLY**, ½ credit
Prerequisite: None
Grade level: 11, 12

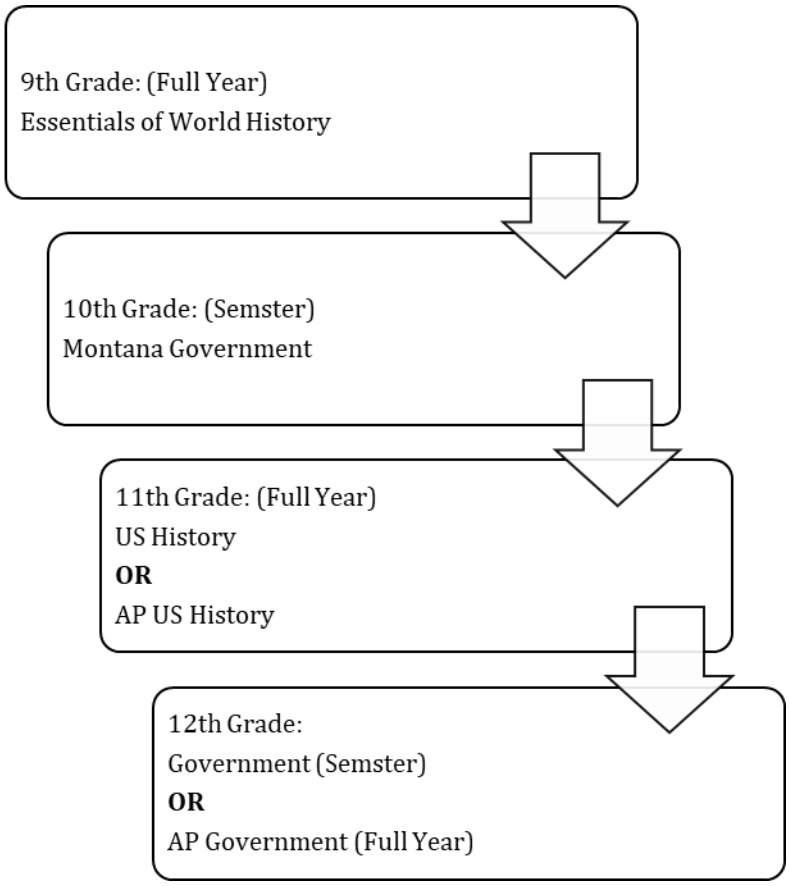
This class will explore the value of sociological imagination to help students place peoples' lives and important events in broader social contexts by understanding how political, economic, and cultural forces constitute social life. The class will explore a variety of topics including socialization, society, culture, race, ethnicity, gender, class stratification, deviance, and crime.

SOCIOLOGY 2

Length of class: 2nd Semester **ONLY**, ½ credit
Prerequisite: None
Grade level: 11, 12

This class analyzes human interaction and studies the application of scientific methods in the observation and analysis of social change, norms, groups, intergroup relations, social stratification, institutions, and basic socialization processes. Other topics include but are not limited to: economic and global inequality, families and intimate relationships, population, urbanization and environment, education, religion, collective behavior and mass social movements, and globalization.

SOCIAL STUDIES FLOWCHART



SOCIAL STUDIES ELECTIVES

- AP Microeconomics
- AP Macroeconomics
- AP Psychology
- American Indian Studies
- Criminal Justice I & II
- Psychology 1 & 2
- Sociology 1 & 2

THEATRE ARTS & STAGECRAFT

INTRO THEATRE

Length of class: Year, 1 credit
Prerequisite: None. Students do not need to take Theatre 1 to enter Theatre 2 at semester; however, the open rehearsal style of Theatre 1 and 2 requires a student to be mature and self-disciplined in their preparation.
Grade level: 9, 10, 11, 12

This class will focus on the beginning building blocks of acting (projection, enunciation, contact and more) and their uses on and off the stage. This class requires organization and commitment. The student will be asked to perform assignments in front of the instructor and class with the focus on effort not talent. The student will be required to memorize scripted pieces verbatim (word perfect). There will also be units on physical acting throughout the year.

INTERMEDIATE THEATRE

Length of class: Year, 1 credit
Prerequisite: A "C" or better in Intro Theatre
Grade level: 10, 11, 12

A beginning exploration of modern day acting centered around Konstantin Stanislavski's novel about acting An Actor Prepares. This course will include: modern theatre monologue and scene work, acting vocabulary, investigation of Stanislavski's theories and exploration into the life and process of an actor. Student will be responsible for weekly reflective paragraphs centered around a class text.

ADVANCED THEATRE (ODD YEAR)

Length of class: Year, 1 credit
Prerequisite: A "C" or better in the previous courses AND instructor approval.
Grade level: 11, 12

Shakespeare Intensive Study – An opportunity to explore and investigate acting theories surrounding four of Shakespeare's plays (OTHELLO, HENRY V, MACBETH, and THE MERCHANT OF VENICE), continued monologue investigation, a focus on context and meaning and continued exploration of the life of a professional actor.

ADVANCED THEATRE (EVEN YEAR)

Length of class: Year, 1 credit
Prerequisite: A "C" or better in the previous courses AND instructor approval.
Grade level: 11, 12

Modern Day Master Theatre Teachers Intensive Study -An investigation into theatre teachers post-Stanislavski. The teachers discussed will be Lee Strasberg, Stella Adler, Sanford Meisner, the works of the Viewpoints and David Mamet. Laboratory work in these teachings will be explored along with continued modern monologue work, the audition process, monthly reports on plays that they are required to read and potential theatre jobs that are not "on-stage."

***Advanced Theatre can be taken more than once for credit.**

STAGECRAFT DESIGN 1-2 - DESIGN FOR THE THEATER

Length of class: Year, 1 credit
Prerequisite: Experience in art, sewing, or drama are helpful but not necessary. Pending instructor approval AND completion of a Stagecraft application.
Grade level: 10, 11, 12

This course is an instruction in the basic design fields related to the theater. This includes scenic, costume, makeup, property design and their applications. Students will learn stage terminology, construction methods, production procedures and protocol. Class members are encouraged, but not required, to act as backstage crew (particularly in leadership positions) for department productions.
Fine Art or Career Technical credit.

STAGECRAFT TECH I - TECHNICAL APPLICATIONS

Length of class: Year, 1 credit
Prerequisite: Experience in woodworking, art, electronics, sewing, or drama are helpful, but not necessary. Pending instructor approval AND completion of a Stagecraft application.
Grade level: 10, 11, 12

This course is an instruction in the basic methods of set construction and painting. This includes such things as stage terminology, construction methods, stage tools, painting techniques, and lighting. Students will also receive instruction in theatre management and maintenance. Class members are encouraged, but not required, to act as backstage and lighting crews for department productions.
Fine Art or Career Technical credit.

STAGECRAFT TECH II

Length of class: Year, 1 credit. May be picked up at semester with instructor's permission.
Prerequisite: Must have completed Stagecraft Tech I with a grade of "B" or better. Experience in woodworking, art, electronics, sewing, or drama is helpful, but not necessary. Pending instructor approval AND completion of a Stagecraft application.
Grade level: 11, 12

Continued instruction in the methods of set construction and painting. This includes such things as stage terminology, construction methods, stage tools, painting techniques, and lighting. Students will also receive instruction in theatre management and maintenance. Class members are encouraged, but not required, to act as backstage and lighting crews for department productions.
Fine Art or Career Technical credit.

WORLD LANGUAGES

In order to gain proficiency, students are encouraged to take two or more consecutive years of the language of their choice. It is strongly recommended to begin in grade nine so that the student has the option of pursuing the four-year program. If you are a native speaker of one of the languages taught at CMR, you must choose a different language to pursue. *Our language classes are not suited to native speakers, or those who are already fluent.*

FRENCH 1-2 (1ST YEAR)

Length of class: Year, 1 credit, must pass 1st Sem in order to continue 2nd Sem
Prerequisite: Recommend a "C" average in English
Grade level: 9, 10, 11, 12

Bienvenue! In first year French, we work on listening, speaking, reading, and writing in French. A special emphasis is given to listening and speaking through the use of storytelling. The class is intended to give students a good foundation in everyday French, with emphasis on contemporary expression and vocabulary. In addition to storytelling, we sing songs, do skits, and listen to authentic, current music selections. In addition, we learn about the culture of France, including holidays and everyday life.

FRENCH 3-4 (2ND YEAR)

Length of class: Year, 1 credit, must pass 1st Sem in order to continue 2nd Sem
Prerequisite: French 1-2, recommend a "C" average in French 1-2
Grade level: 9, 10, 11, 12

Bonjour! French 3-4 students will review elements of French 1-2 and will continue to understand spoken French, as well as speak, read, and write French in greater depth. Students will acquire language skills through storytelling. We will spend time learning about specific regions of France and French-speaking countries. There is a heavy focus on reading comprehension in French 3-4. Time permitting, we will do selected readings and film studies.

FRENCH 5-6 (3RD YEAR)

Length of class: Year, 1 credit, must pass 1st Sem in order to continue 2nd Sem
Prerequisite: French 3-4, recommend a "B" average in French 3-4
Grade level: 10, 11, 12

On y va! Students at this level will use the knowledge they have acquired in French 1-2 and French 3-4 and apply it to the storytelling method. There is an increase in writing and listening activities at this level. We will read novels and books about different French-speaking countries in the world. We do an in-depth study of World War II and its impact on the citizens of France. In alternating years, in the spring, we read "Le Petit Prince." Students will do film studies, as time allows. All activities in class (speaking, writing, reading, movies, discussion) will lead to more fluency in the French language.

FRENCH 7-8 (4TH YEAR)

Length of class: Year, 1 credit, must pass 1st Sem with a "C" or better to continue with 2nd Sem
Prerequisite: Recommend a "B" average in French 5-6 to take French 7-8
Grade level: 11, 12

C'est parti! Students continue to improve their communications skills in French through an emphasis on composition, conversation, and reading selections. We will learn history and other cultural contributions of the French-speaking world. Students continue their study of grammar and vocabulary. The literature is geared towards the level of understanding and interest of the class. There is a focus on the history of

France, as well as literature and other cultural contributions of the French people. In alternating years, we read The Count of Monte Cristo by Alexander Dumas.

SPANISH 1-2 (1ST YEAR)

Length of class: Year, 1 credit, must pass 1st Sem in order to continue 2nd Sem
Prerequisite: Recommend a "C" average in English; recommend a "C" average in Spanish to continue to 2nd semester
Grade level: 9, 10, 11, 12

Bienvenidos! In first year Spanish, students work on listening, speaking, reading, and writing in Spanish through the use of storytelling. The class is intended to give the student a strong foundation in everyday Spanish communication, including current expressions and vocabulary. In addition to storytelling, students listen to authentic music, do skits, use language games, and learn about the culture of Spanish-speaking countries, including holidays, and everyday life.

SPANISH 3-4 (2ND YEAR)

Length of class: Year, 1 credit, must pass 1st Sem in order to continue 2nd Sem
Prerequisite: Spanish 1-2, recommend a "C" average in Spanish 1-2, recommend a "C" average to continue 2nd Sem
Grade level: 9, 10, 11, 12

Vamos! In second year Spanish, students build on communication skill from first year. Storytelling is frequently used to further develop listening, speaking, reading, and writing skills. Personal expression and opinion in Spanish is emphasized. Students also learn about specific Spanish-speaking countries, and do cultural studies through film, media, and investigation.

SPANISH 5-6 (3RD YEAR)

Length of class: Year, 1 credit, must pass 1st Sem in order to continue 2nd Sem
Prerequisite: Spanish 3-4, recommend a "C" average in Spanish 3-4, recommend a "C" to continue 2nd Sem
Grade level: 10, 11, 12

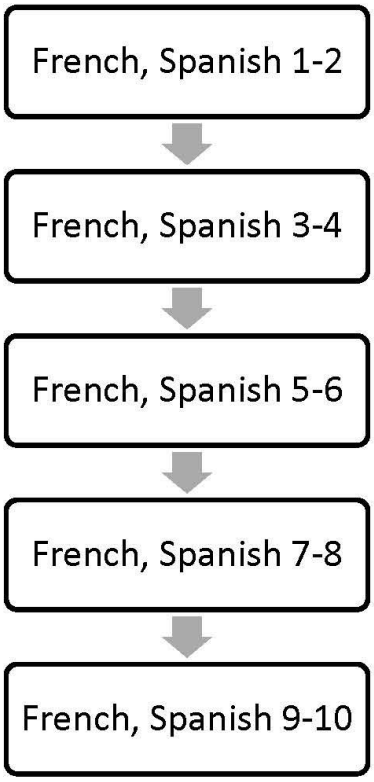
Adelante! Third year Spanish students refine their communication skills in Spanish through a more advanced study and review of listening, speaking, reading, and writing, as well as grammar patterns and vocabulary. The emphasis is on oral communication in real-life situations, storytelling, and discussion. Students will also encounter culture and history from Spanish-speaking countries through authentic, varied sources, including film and music. There will also be and increase level of appropriate novels.

SPANISH 7-8 (4TH YEAR) and SPANISH 9-10 (5TH YEAR)

Length of class: Year, 1 credit, must pass 1st Sem in order to continue 2nd Sem
Prerequisite: Spanish 5-6, recommend a "C" average in Spanish 5-6 to take Spanish 7-8, recommend a "C" average in Spanish 7-8 to take Spanish 9-10
Grade level: 11, 12

Avancemos! Fourth and fifth year Spanish students polish their communication skills in Spanish through an emphasis on speaking, composition, and reading. Students continue advanced study and review of grammar and vocabulary and increase auditory comprehension by listening to native speakers from a variety of sources. Students will dive deeper into the culture and history of Spanish-speaking countries through authentic, varied sources, including film and music. Fifth year students will study with the fourth year class to achieve optimum interaction in the target language. Fifth year students will also meet and exceed all the fourth year benchmarks.

WORLD LANGUAGES FLOW CHART



INDEX

A

ACCOUNTING, 18
ADVANCED HEALTH SCIENCE, 43
AP PROGRAM, 6
AIR FORCE JROTC, 22
ALGEBRA II/TRIGONOMETRY, 53
ALGEBRA II/TRIGONOMETRY HONORS, 53
AMERICAN INDIAN STUDIES, 23, 74
ANATOMY & PHYSIOLOGY CTE HONORS, 42, 68
AP ART & DESIGN, 16
AP BIOLOGY, 68
AP CALCULUS, 55
AP CHEMISTRY, 69
AP ENGLISH 7-8, 30
AP GOVERNMENT, 74
AP MACROECONOMICS, 24, 75
AP MICROECONOMICS, 23, 75
AP PHYSICS, 70
AP PSYCHOLOGY, 23, 77
AP U. S. HISTORY, 73
APPLIED DRAFTING, 49
APPLIED PHYSICS, 69
ARCHITECTURAL DRAFTING, 49
ART, 15-17
ART WORKSHOP 1-2, 15
ART WORKSHOP 1-2 HONORS, 15
ASTRONOMY, 70
AUTOMOTIVE TECHNOLOGY 3-4, 47
AUTOMOTIVE TECHNOLOGY ASE, 48

B

BANDS, 59
BIOLOGY 1-2, 67
BIOLOGY 3-4, 67
BUILD MONTANA, 50
BUSINESS, 18-20
BUSINESS INDEPENDENT STUDY, 20

C

Career/Technical Options, 4
CERAMICS/SCULPTURE, 15
CHACONNE CHOIR, 60
CHAMBER ORCHESTRA, 64
CHANSON WOMEN'S CHOIR, 59
CHANTEUR CHOIR, 60
CHOIRS, 59-60
CNA, 43
COLLEGE ALGEBRA, 55
COMPUTER SCIENCE, 21-22
COMPUTER CODING & DESIGN, 21
CONCERT CHOIR, 60
CONCERT ORCHESTRA, 63
CONSUMER MECHANICS, 49
CRIMINAL JUSTICE I, 25, 78
CRIMINAL JUSTICE II, 25, 78
CTE INTERNSHIP, 26, 51
CULINARY ARTS 1-2, 3
CULINARY ARTS 3/HOSPITALITY, 35
CYBERSECURITY, 21

D

DESIGN 3, 36
DEVELOPING CHILD, 1-2, 34
DEVELOPING CHILD, 3-4, 34
DRAFTING, 50-51
Dual Credit Classes, 6

E

EARTH AND SPACE SCIENCE, 69
ECONOMICS, 24-25, 77
ELECTIVES, 23-29
ELECTRICITY, 48
EMPOWER STRENGTH, 40
EMT BASIC, 43
ENGINEERING DRAFTING, 51
ENGLISH, 30-33
ENGLISH 1-2, 30
ENGLISH 1-2 HONORS, 30
ENGLISH 3-4, 31
ENGLISH 3-4 HONORS, 31
ENGLISH 5-6, 31
ENGLISH 5-6 HONORS, 31
ENGLISH 7-8, 31
ENTREPRENEURSHIP, 18
ESSENTIALS IN WORLD HISTORY, 75
EXCEPTIONALITIES, 26

F

FAMILY & CONSUMER SCIENCES, 34- 37
FASHION, DESIGN & CONTRUCTION 1, 35
FASHION, DESIGN & CONTRUCTION 2, 35
FCS INDEPENDENT STUDY, 36
FINANCE AND CAREER PREP, 18
Fine Arts Options, 5
FITNESS ACTIVITIES, 39
FORENSIC SCIENCE 1-2, 73
FRENCH, 83

G

GENERAL CHEMISTRY, 70
GENERAL PHYSICS 1-2, 72
GOVERNMENT, 76
Graduation Requirement, 8
GUITAR 101, 59

H

HEALTH ENHANCEMENT, 38-41
HEALTH 1-2, 38
HEALTH 3-4, 38
HEALTH OCCUPATIONS INTERNSHIP, 44
HEALTH SCIENCE, 42-45
HIGH SCHOOL HOUSE, 50
HONORS CHEMISTRY, 71
HONORS INTEGRATED MATH I, 54
HONORS INTEGRATED MATH II, 55
HUMANITIES, 26

I

INDIVIDUAL SPORTS, 38
INDUSTRIAL TECHNOLOGY, 46-52
INDUSTRIAL TECHNOLOGY INDEPENDENT STUDY, 51
INTEGRATED MATH I, 54
INTEGRATED MATH II, 55
INTERIOR DESIGN 1, 35
INTERIOR DESIGN 2, 36
INTERMEDIATE ALGEBRA, 54
INTRO TO BUSINESS, 18
INTRO TO COMPUTER SCIENCE, 21
INTRO TO INDUSTRIAL TECHNOLOGY, 46
INTRO TO EDUCATION, 27
INTRO TO HEALTH OCCUPATIONS, 42
INTRO TO JOURNALISM, 66

M

MARKETING & MANAGEMENT, 19
MATH, 53-58
MATH LITERACY, 53
MAVERICK BAND, 61
MEDICAL TERMINOLOGY, 42
METALS MANUFACTURING, 47
MONEY MANAGEMENT, 19
MONTANA GOVERNMENT STUDIES, 75
MULTIMEDIA, 19
MUSIC, 59-62

MUSIC THEORY, 59

N

NEWSPAPER/WEBSITE WORKSHOP, 66

O

Online Classes, 14
ORCHESTRAS, 63-64

P

PAINTING/PRINTMAKING, 16
PERCUSSION ENSEMBLE, 61
PHOTOJOURNALISM/VIDEOGRAPHY WORKSHOP, 67
PHYSICAL EDUCATION, 38
POWER TECHNOLOGY, 48
PRE CALCULUS 151, 55
PRE-CONSTRUCTION, 49
PREPARATION FOR LIFE, 34
PRINCIPLES OF LEADERSHIP, 26
PSYCHOLOGY 1, 27, 78
PSYCHOLOGY 2, 27,
PUBLICATIONS, 66-68
PUBLICATIONS INDEPENDENT STUDY, 68

R

RECREATIONAL ACTIVITIES, 39
RUSSELL AYRES, 60
RUSSTONES, 62
RUSTLER BAND, 61
RUSTLER WELLNESS, 28

S

SCIENCE, 69-74
Semester Only Classes, 14
SIGN LANGUAGE, 28
SOCIAL STUDIES, 75-80
SOCIOLOGY 1, 28, 79
SOCIOLOGY 2, 29, 79
SONORE CHOIR, 59
SPANISH, 84
STAGECRAFT, 82
STATISTICS, 56
STRING ENSEMBLE, 63
STUDIO IN CERAMICS/ SCULPTURE, 15
STUDIO IN PAINTING/ PRINTMAKING, 16
STUDIO IN GRAPHIC DESIGN/ PHOTOGRAPHY, 16
SURVEY OF MATH, 56
SYMPHONIC BAND, 62

T

TEAM SPORTS, 39
TECH ESSENTIALS, 19
THEATRE ARTS & STAGECRAFT, 81-82
TRANSITIONS, 29

U

U.S. HISTORY, 75

V

VIDEO PRODUCTION, 29

W

WEIGHT TRAINING, 40
WELDING 1, 46
WELDING 2, 46
WELDING 2 DESIGN, 46
WELDING 3, 47
WELDING QUALIFICATIONS II&III, 47
WELLNESS FOR LIFE, 40
WOODS 1-2, 49
WOODS 3-4, 49
WORK EXPERIENCE, 20
WORLD LANGUAGES, 83-85

Y

YEARBOOK WORKSHOP, 67

Z

Zero Period Classes, 14