2017-2018

CATALOG OF PROPOSED COURSES
&
COURSE DESCRIPTIONS

C.M. RUSSELL HIGH SCHOOL
GREAT FALLS, MONTANA
A better place to learn and teach where relationships lead to success

**Please note all courses listed are the courses proposed at time of publication and are subject to change.**
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<tr>
<td>WORLD LANGUAGES</td>
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</table>
To CMR Students, Parents, and Staff:

This Course Description Book was developed to acquaint you with all of the courses offered at CMR High School. It will provide you with specific information, such as course objectives, department and length, 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.

Kerry Parsons
Principal
Note: One credit each in Career/Technical and Fine Art is required for graduation.

One additional credit in Career Technical or Fine Art or 2 credits in Foreign Language will meet the Concentration Elective Requirement.

CAREER/TECHNICAL OPTIONS

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

1. Any course listed in the Business Department
   - Info Processing
   - Financial-Tech Skills
   - Entrepreneurship
   - Multimedia
   - Marketing
   - Business Management
   - Personal Finance
   - Accounting 1-2
   - Intro to Business
   - Intro to Computer Programming w/Javascript
   - Computer Coding & Design w/Python
   - Intro to Computer Science Principles
   - Web Page Design
   - Work Experience
   - Business Independent Study

2. Any course listed in Family and Consumer Sciences
   - Culinary Arts 1-2
   - Culinary Arts/Hospitality, Tourism, & Recreation
   - Interior Design 1, 2
   - Design 3
   - Developing Child 1-2, 3-4
   - 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
   - Metals and Manufacturing 2
   - Power Technology 1
   - Ag Mechanics
   - Consumer Mechanics 1
   - Automotive Technology 3-4
   - Drafting (all levels)
   - Electronics (DC Electricity 1, Residential Electricity 2 and Applied Electronics 2)
   - Pre- Construction 1/Woods 1-2/Woods 3-4
   - Construction Technology 3-4
   - Applied Physics 1-2
   - Industrial Tech Independent Study
   - Ag 1,2,3,4
   - Ag Leadership
4. Any course listed in Publications/Media Production
   - Introduction to Journalism
   - Newspaper Workshop
   - Yearbook Workshop
   - RustlerNews.com Workshop
   - Stagecraft Technology 1-2
   - Stagecraft Design 1-2

5. Any course listed under Medical Science
   - Intro to Health Occupations
   - Human Body Systems
   - Honors Human Biology 5-6
   - CNA
   - EMT
   - Health Occupations Internship
   - Advanced Health Science
   - Introduction to Athletic Training
   - Medical Terminology

6. Any of the following other courses
   - Video Production
   - Video Production II

**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
   - Studio in Graphic Design
   - Studio in Drawing and Printmaking
   - Studio in Painting and Drawing
   - Studio in Sculptural Design
   - Studio in Photography
   - AP Senior Studio

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 PROGRAM

The Advanced Placement Program consists of college-level courses and exams for 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. In 2014 the AP test fee was $92.00 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 talented students to upgrade the quality and increase the rigor of their studies. The following AP courses are offered at CMR:

- AP Biology
- AP Calculus
- AP English 7-8
- AP Government
- AP Psychology
- AP Senior Art Studio
- AP US History

DUAL CREDIT CLASSES

+ Accounting
+ AP English 7-8
+ EMT (at CGF - MSU)
+ Welding Qualification II & III
+ College Algebra 121
+ Computer Programming AAS
+ Honor Statistics
+ Introduction to Education
+ Medical Terminology
+ Pre Calculus 151
+ Sign Language
*+ AP US History
**+ AP Government
+ Computer Coding & Design with Python
^ Intro to Computer Programming with Java
^ Intro to Engineering
^ Honors Physics
~ Automotive ASE
# Interior Design 1 & 2
< Developing Child 3-4
= Drafting I

Student pays between $50 - $65 per college credit and earns high school and college credit simultaneously. Courses are offered through College of Great Falls - MSU, Montana Tech and the University of Great Falls, scheduled through CMR.

* Dual credit through UGF ~ Helena College – UM = MSU - Northern
+ Dual credit through College of GF – MSU # Gallatin College - MSU
^ Dual credit through Montana Tech < University of Montana - Western
# Graduation Requirement Breakdown and Worksheets

## Concentration Diploma

### Graduation Requirements

**Great Falls Public Schools**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
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<td>English 3-4</td>
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<tr>
<td>English 5-6</td>
<td>1.00</td>
</tr>
<tr>
<td>English 7-8</td>
<td>1.00</td>
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<tr>
<td><strong>Math</strong></td>
<td>3</td>
</tr>
<tr>
<td>One credit must include Algebra 1</td>
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<tr>
<td><strong>Social Studies</strong></td>
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</tr>
<tr>
<td>Essentials in World History 1-2</td>
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<tr>
<td>Mt. Government Studies</td>
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</tr>
<tr>
<td>US History 1-2</td>
<td>1.00</td>
</tr>
<tr>
<td>Senior Government</td>
<td>0.50</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>3</td>
</tr>
<tr>
<td>Foundations of Science</td>
<td>1.00</td>
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<tr>
<td>Biology 1-2</td>
<td>1.00</td>
</tr>
<tr>
<td>Science Elective</td>
<td>1.00</td>
</tr>
<tr>
<td><strong>Health Enhancement</strong></td>
<td>2</td>
</tr>
<tr>
<td>Health/PE 1-2</td>
<td>1.00</td>
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<tr>
<td>Health/PE 3-4</td>
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<tr>
<td><strong>Financial Tech Skills</strong></td>
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<tr>
<td><em>May be counted toward CTE total of 1 credit.</em></td>
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<tr>
<td><strong>Career and Technical</strong></td>
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<td>Choose .5-1 credit from any combination of:</td>
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<td>Agriculture</td>
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<tr>
<td>Business</td>
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<tr>
<td>Family and Consumer Science</td>
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<tr>
<td>Industrial Technology</td>
<td></td>
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<tr>
<td>Medical/Health Occupations</td>
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</tr>
<tr>
<td><em>Media Production</em></td>
<td></td>
</tr>
<tr>
<td><em>Journalism/Yearbook/Newspaper Workshop</em></td>
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</tr>
<tr>
<td><em>Graphic Arts/Publications</em></td>
<td></td>
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<tr>
<td><em>Stagecraft</em></td>
<td></td>
</tr>
<tr>
<td><em>Video Productions</em></td>
<td></td>
</tr>
<tr>
<td><em>May qualify for CTE credit dependent on the state teacher licensure requirements.</em></td>
<td></td>
</tr>
<tr>
<td><strong>Fine Arts</strong></td>
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<tr>
<td>Choose 1 credit from any combination of:</td>
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</tr>
<tr>
<td>Art</td>
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<tr>
<td>Drama</td>
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</tr>
<tr>
<td>Music</td>
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</tr>
</tbody>
</table>

## General Electives  5.5-6.0 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 Science)
- Fine Arts/Humanities

**Total Credits**  23 Credits
# Comprehensive Diploma

**Graduation Requirements**

**Great Falls Public Schools**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td><strong>Career and Technical</strong></td>
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<td>Agriculture</td>
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<tr>
<td>Business</td>
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<td>*Media Production</td>
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<tr>
<td>Family and Consumer Science</td>
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<tr>
<td><strong>Fine Arts</strong></td>
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<td>Choose 1 credit from any combination of:</td>
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</tr>
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<td>Art</td>
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<td>Drama</td>
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<td>Music</td>
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<tr>
<td><strong>General Electives 6.5 Credits</strong></td>
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<tr>
<td>Within these Electives, a student must plan for 1 additional credit in:</td>
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<td>Career/Technical or Fine Art</td>
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<td>Or</td>
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<td><strong>Total Credits</strong></td>
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HONORS DIPLOMA
GRADUATION REQUIREMENTS
GREAT FALLS PUBLIC SCHOOLS

Minimum cumulative GPA 3.33 and 6 credits of Honors/AP/Early College

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<td>Financial Tech Skills</td>
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</table>

*May be counted toward CTE total of 1 credit.

Career and Technical 1 Credit

Choose 1 credit from any combination of:
- Agriculture
- Business
- Family and Consumer Science
- Industrial Technology
- Medical/Health Occupations
- *Media Production
- *Journalism/Yearbook/Newspaper Workshop
- *Graphic Arts/Publications
- *Stagecraft
- *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

<table>
<thead>
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<th>Subject</th>
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### 9th Grade

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### 10th Grade

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<tr>
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<td>Bio 2</td>
</tr>
<tr>
<td><strong>Career Technical</strong></td>
<td>1</td>
</tr>
<tr>
<td><em>Fine Arts</em></td>
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</tr>
</tbody>
</table>

### 11th Grade

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>4</td>
</tr>
<tr>
<td>Eng 5</td>
<td>Eng 6</td>
</tr>
<tr>
<td>Eng 7</td>
<td>Eng 8</td>
</tr>
<tr>
<td>Eng 9</td>
<td>Eng 10</td>
</tr>
<tr>
<td>Eng 11</td>
<td>Eng 12</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>3</td>
</tr>
<tr>
<td>EssWH 1</td>
<td>EssWH 2</td>
</tr>
<tr>
<td>MT Gov</td>
<td></td>
</tr>
<tr>
<td>US Hist 1</td>
<td>US Hist 2</td>
</tr>
<tr>
<td>Sr Govt</td>
<td></td>
</tr>
<tr>
<td><strong>Math</strong></td>
<td>3</td>
</tr>
<tr>
<td>Alg 1</td>
<td>Alg 1</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>3</td>
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<tr>
<td>FOS 1</td>
<td>FOS 2</td>
</tr>
<tr>
<td>Bio 1</td>
<td>Bio 2</td>
</tr>
<tr>
<td><strong>Career Technical</strong></td>
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<tr>
<td><em>Fine Arts</em></td>
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### 12th Grade

<table>
<thead>
<tr>
<th>Semester</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
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<tr>
<td>Eng 7</td>
<td>Eng 8</td>
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<tr>
<td>Eng 9</td>
<td>Eng 10</td>
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<tr>
<td>Eng 11</td>
<td>Eng 12</td>
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<td>Eng 13</td>
<td>Eng 14</td>
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<tr>
<td>Eng 15</td>
<td>Eng 16</td>
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<tr>
<td><strong>Social Studies</strong></td>
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<tr>
<td>EssWH 1</td>
<td>EssWH 2</td>
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<td>MT Gov</td>
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</tr>
<tr>
<td><strong>Math</strong></td>
<td>3</td>
</tr>
<tr>
<td>Alg 1</td>
<td>Alg 1</td>
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<tr>
<td><strong>Science</strong></td>
<td>3</td>
</tr>
<tr>
<td>FOS 1</td>
<td>FOS 2</td>
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<td>Bio 1</td>
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<td><strong>Career Technical</strong></td>
<td>1</td>
</tr>
<tr>
<td><em>Fine Arts</em></td>
<td>1</td>
</tr>
</tbody>
</table>

### Notes
- *Concentration Electives* 2 credits necessary to meet MUS College Prep Program requirement.
- From course work above, please keep track below of your Concentration Electives which must be 2 credits from one of the following areas: Career Technical, Fine Arts or World Languages.
# C.R.M. Course Catalog [2017-2018]

## Charles M Russell High School

**Concentration Diploma Requirements [23 Credits]**

### Credits Earned

<table>
<thead>
<tr>
<th>English</th>
<th>4 credits required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eng 1</td>
<td>Eng 2</td>
</tr>
<tr>
<td>Eng 3</td>
<td>Eng 4</td>
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<tr>
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<td>Eng 7</td>
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<table>
<thead>
<tr>
<th>Social Studies</th>
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</thead>
<tbody>
<tr>
<td>EssWH 1</td>
<td>EssWH 2</td>
</tr>
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<td>MT Gov</td>
<td></td>
</tr>
<tr>
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<td>US Hist 2</td>
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<table>
<thead>
<tr>
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<td>Alg 1</td>
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</table>

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>FOS 1</td>
<td>FOS 2</td>
</tr>
<tr>
<td>Bio 1</td>
<td>Bio 2</td>
</tr>
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</table>

* **Career Technical** | .5-1 credit required |

* **Fine Arts** | 1 credit required |

<table>
<thead>
<tr>
<th>Health Enhancement</th>
<th>2 credits required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hlth 1 PE 1 Hlth 3 PE 3</td>
<td>Hlth 2 PE 2 Hlth 4 PE 4</td>
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</table>

* **Financial Tech Skills** | .5 credits required |

<table>
<thead>
<tr>
<th>General Electives</th>
<th>5.5-6 credits</th>
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<tbody>
<tr>
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</table>

* **Concentration Electives** | 3 credits necessary to meet Diploma Requirement and MUS College Prep Program requirement. From course work above, please keep track below of your Concentration Electives which must be from one of the following areas: STEM, CTE or Fine Arts/ Humanities.

<table>
<thead>
<tr>
<th>10th Grade</th>
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<th>2nd Semester</th>
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<tr>
<td></td>
<td>English 3</td>
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<td>MtGov/Elective</td>
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<tr>
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<td>Bio 2</td>
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</tr>
<tr>
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<td>H/PE 4</td>
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<tr>
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<table>
<thead>
<tr>
<th>11th Grade</th>
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<th>2nd Semester</th>
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<tbody>
<tr>
<td></td>
<td>English 5</td>
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<td>US Hist 1</td>
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<tr>
<td>Science</td>
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<td>Elective</td>
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</tbody>
</table>

### CHARLES M RUSSELL HIGH SCHOOL
**HONORS DIPLOMA REQUIREMENTS**

[26 CREDITS, 3.33 CUM. GPA & 6 credits of AP/Honors/Early College]

**CREDITS EARNED**

<table>
<thead>
<tr>
<th>ENGLISH</th>
<th>4 credits required</th>
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</thead>
<tbody>
<tr>
<td>Eng 1</td>
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<tr>
<td>Eng 3</td>
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<tr>
<td>Eng 5</td>
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<td>Eng 7</td>
<td>Eng 8</td>
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<table>
<thead>
<tr>
<th>SOCIAL STUDIES</th>
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<tbody>
<tr>
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<td>MT Gov</td>
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</tr>
<tr>
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<table>
<thead>
<tr>
<th>MATH</th>
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<tbody>
<tr>
<td>Alg 1</td>
<td>Alg 1</td>
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</table>

<table>
<thead>
<tr>
<th>SCIENCE</th>
<th>3 credits required</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOS 1</td>
<td>FOS 2</td>
</tr>
<tr>
<td>Bio 1</td>
<td>Bio 2</td>
</tr>
</tbody>
</table>

* **CAREER TECHNICAL**  .5-1 credit required

* **FINE ARTS**  1 credit required

<table>
<thead>
<tr>
<th>HEALTH ENHANCEMENT</th>
<th>2 credits required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hlth 1</td>
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</tr>
<tr>
<td>Hlth 3</td>
<td>Hlth 4</td>
</tr>
<tr>
<td>PE 1</td>
<td>PE 2</td>
</tr>
<tr>
<td>PE 3</td>
<td>PE 4</td>
</tr>
</tbody>
</table>

* **FINANCIAL TECH SKILLS** .5 credits required

* **GENERAL ELECTIVES**  8-8.5 credits required

* **CONCENTRATION ELECTIVES** 2 credits necessary to meet MUS College Prep Program requirement.

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

ART WORKSHOP 1-2
Length of class: Year, 1 credit
Prerequisite: None
Grade level: 9, 10, 11, 12

Entry level/beginning art course. This is an overview of 2-D and 3-D techniques based on the principles and elements of design. A portfolio will be kept. A wide variety of media will be explored. Art Workshop is a prerequisite to all other art classes.

STUDIO IN DRAWING AND PRINTMAKING
Length of class: Year, 1 credit
Prerequisite: Art Workshop 1-2
Grade level: 10, 11, 12
Fee: $20.00

A one-year course to be taken by the student wanting in-depth, 2-dimensional experiences in drawing and printmaking. Emphasis will be on relating a sound knowledge of ideas and materials. Students should be willing to explore the source of their own ideas and develop them in interesting and inventive ways. Representational and interpretive drawing, prints, printing techniques and drawings of all kinds and in all media will be taught.

STUDIO IN PHOTOGRAPHY
Length of class: Year, 1 credit
Prerequisite: Art Workshop 1-2
Grade level: 10, 11, 12
Fee: $25.00 per semester

Course provides an in-depth experience in black and white photography and in digital media. Students will be able to learn lighting and darkroom manipulations. Students can expect to operate manual cameras, operate darkroom equipment, toning baths, hand tinting, and solarization processes. Students will learn about the history of traditional photography as well as the artists who played a part in its development. Students will learn how the elements and principles of design apply to photography. Students will learn to manipulate digital images through the use of Adobe Photo Shop.

STUDIO IN GRAPHIC DESIGN
Length of class: Year, 1 credit
Prerequisite: Art Workshop 1-2
Grade level: 10, 11, 12

A concentrated year of work in various aspects of communication through art. The emphasis is on advertising and presentation of ideas and products with primarily 2-dimensional art, using Photoshop and Illustrator. This course counts towards Fine Arts credit.
STUDIO IN PAINTING
Length of class: Year, 1 credit
Prerequisite: Art Workshop 1-2
Grade level: 10, 11, 12
Fee: $25.00

This course is designed to provide students with an in-depth experience in a variety of drawing and painting techniques. Students will explore skills in personal expression and problem solving. Students will expand on building a portfolio of their work and the critique process. Study will include art movements from a variety of time periods and cultural concerns.

STUDIO IN SCULPTURAL DESIGN
Length of class: Year, 1 credit
Prerequisite: Art Workshop 1-2
Grade level: 10, 11, 12
Fee: $25.00

A one period, two-semester course recommended for the student with a strong interest and ability in 3-dimensional form and structure. Sculpture, ceramics and applications to architectural designing are included in this area of study. Materials may include wax, polyform, clay, glazing, wood, carving stone, mixed media, found objects, plaster, metal, Plexiglas, plastics and composition materials

AP SENIOR STUDIO
Length of class: Year, 2 credit class (2 periods)
Prerequisite: Must be an experienced senior, have a background of Art Workshop and two studio courses with a “B” average. Students planning on creating a fines arts portfolio should have taken Studio in Painting and Drawing, and Drawing and Printmaking. Students planning on creating a 2-D portfolio should have taken Studio in Photography, and Graphic Design.
No student will be admitted without verbal or written approval of the AP Art instructor. In case of transfer students, a portfolio of work must be reviewed by the Art department faculty. AP students may choose to submit a portfolio to be scored by the College Board at the end of the year.
New students are not able to enroll in this course second semester.
Grade level: 12

This course is designed for the senior art student who is considering art as a career or major area of interest in college and who is looking for in-depth experiences in art. Students who fail first semester are not able to continue in second semester.
WAIVING OF PREREQUISITES FOR ART CLASSES
If a student can show the ability to handle a class for which he does not meet the requirements, the appropriate art department instructor can waive the prerequisites. This will be done only in cases where visual evidence (slides, digital portfolio or work) has been presented to show ability. Grades from other schools should not be the only consideration.

FAILURE IN ART CLASS If a student fails 1st semester, he/she will not be allowed to take 2nd semester without the approval of the Art Teacher.

ART FLOWCHART

Art Workshop 1-2
Full Year/1 Credit
'C' or better to enter studio classes

Studio in Painting
Full Year - 1 Credit

Studio in Photography
Full Year - 1 Credit

Studio in Drawing & Printmaking
Full Year 1 Credit

Studio in Sculptural Design
Full Year 1 Credit

Studio in Graphic Design
Full Year 1 Credit

Advanced Placement Senior Studio
Must see instructor before registering.
Must have taken Art Workshop 1-2 plus 2 studio classes. Must have earned a B or better in all art classes.
BUSINESS

ACCOUNTING (Dual Credit)
Length of class: Year, 1 credit
Prerequisite: None
Grade level: 10 (with instructor’s permission), 11, 12

This course is offered for dual credit through College of Great Falls – MSU. 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. Employees will use traditional methods as well as new techniques in automated accounting throughout the year.

BUSINESS MANAGEMENT
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: Recommended: Intro to Business or Financial Tech Skills
Grade level: 10, 11, 12

Employees can expect to exercise their leadership skills by owning and solving problems within the COMPANY as office manager. Being the COMPANY manager will instill a general competency in meeting the challenges of management, and will facilitate employees’ development of their own personal career aspirations. Students will also study various functions of management, management theory, organized labor, human resources, business ethics, conflict resolution, personal management, and levels of management.

FINANCIAL-TECH SKILLS
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: 20 wpm keyboarding recommended. This course is required for graduation.
Grade level: 10, 11, 12

This course unites technology (Windows, Word, Excel, Access, PowerPoint, Publisher, Internet navigation) with financial management (budgeting, investing, insurance, banking, credit, payroll, W4, taxes, saving, financial math, loans and interest) in a real world format.

ENTREPRENEURSHIP (WITH BUSINESS LAW)
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade level: 9, 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. Employees will learn how to create/implement a business plan; select a product or service to sell, determine customers, and obtain financing for their business.
INFORMATION PROCESSING
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade level: 9, 10, 11, 12
This course emphasizes speed building using the touch system of keyboarding for personal use and/or preparation for advanced computer use. Letters, memos, tables and reports will be introduced. This is a good class to take if employees are not adept at keyboarding. Proofreading and following instructions will be stressed in learning to set up special business applications on the computer.

INTRO TO BUSINESS
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade level: 9, 10, 11, 12
Not sure about how business works? An introductory business course geared toward the basic principles and functions of business. Employees 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 employees 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
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade level: 9, 10, 11, 12
This course is intended to introduce employees to the various components of marketing (getting products and services from producers to consumers). Subject matter includes the economic importance of marketing, a study of consumer motivation, marketing trends, product planning and research, and careers in marketing.

MULTIMEDIA
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade level: 9, 10, 11, 12
Employees gain experience designing web pages using HTML and web based generator (Weebly), and exposure to Movie Maker, Photoshop, InDesign and CorelDraw software for design and multimedia projects. This course will provide employees with a hands-on knowledge of computer-aided graphics, digital photography, presentations software, web-page design, Internet usage, and Desktop publishing.

PERSONAL FINANCE
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade level: 9, 10, 11, 12
Employees will study practical and personal money management by learning necessary financial survival skills through budgeting, investing credit awareness, banking services, taxes, insurance and other consumer planning and decision-making topics.
WORK EXPERIENCE
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade level: 12

Earn school credit while working outside of school. Class meets one period per week, as per individual arrangement with instructor. Employees must work a minimum of 15 paid hours per week. “Learn & Earn”

BUSINESS INDEPENDENT STUDY
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: Financial-Tech Skills and any other Company course
Grade level: 11, 12

As a continuation of a prior company course, employees may petition to earn credit for working with a community member to complete a hands-on project/product. This petition will include the completion of a contract approved and signed by the employee, parent, Company director and administrator. Another example of Business Independent Study is our ‘employees’ working the 7 AM breakfast club.

COMPUTER SCIENCE (within the Business Department)

INTRO TO COMPUTER PROGRAMMING WITH JAVASCRIPT (Dual Credit)
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade level: 9, 10, 11, 12

Learn the fundamentals of computer science while creating computer programs, animations, graphics, and games. Through this course, students will practice problem solving skills in a variety of ways that are both challenging and fun. Specifically, students will create several simple computer programs, understand general principles of computer programming applicable to any programming language, write a graphical computer program that tells a story, and learn about the protocols and algorithms used in the Internet. The ways that digital information is encoded, represented and manipulated will also be explored as well as some introductory HTML/CSS concepts. Students will create a variety of computer programming material that will be compiled in a portfolio website. This course could be taken concurrently with the Computer Science Principles. Dual Credit through Montana Tech is available for this course for Grades 11 and 12.

COMPUTER CODING AND DESIGN WITH PYTHON (Dual Credit)
Length of class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: Intro to Computer Programming with JavaScript
Level: 10, 11, 12

This is a course about the practice of programming, an attempt to expose students to the development of real programs. Programming is more than just writing code. Programmers must also assess tradeoffs, choose among design alternatives, debug and test, improve performance, and maintain software written by themselves and others. Students will have the opportunity to develop these skills by working on their own code and in group projects. There will be an emphasis on the principles of software development, style, and testing. At the end of this class, expect to be proficient in 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. Dual Credit through Great Falls College MSU is available for this course for Grades 11 and 12.
WEB PAGE DESIGN
Length of Class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: Intro to Computer Programming with JavaScript, Multimedia, or Python
Grade Level: 10, 11, 12

In this class, students learn how to build beautiful, interactive websites by learning the fundamentals of HTML, CSS, and JavaScript — three common coding languages on which all modern websites are built. HTML is the foundation behind all web pages. It’s used to add structure and form to text, images, and more. CSS is the stylesheet language a page is styled with, to tell browsers to change the color, font, layout, and more. JavaScript is an object-oriented computer programming language used to create interactivity within web browsers. In this course, students learn the fundamentals of these three languages so that they can create visually appealing and interactive web pages. This is a useful and lucrative skill to acquire as it used by nearly every single business in the world that needs a website to communicate to its customers. By the end of this class, expect to have all the skills required to build websites or even start a career with one of the thousands of companies that have a website.

INTRO TO COMPUTER SCIENCE PRINCIPLES
Length of Class: Semester, ½ credit, 1st and 2nd Sem
Prerequisite: None
Grade Level: 9, 10, 11, 12

Computer Science Principles 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, 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. Students will create and use visualizations to identify patterns and trends using a variety of tools and widgets. This course could be taken concurrently with the Intro to Computer Programming with JavaScript course.
BUSINESS FLOWCHART

- Marketing Concentration
  - Marketing
  - Multimedia
  - Entrepreneurship with Business Law
  - Intro to Business

- Business Finance Concentration
  - Accounting (Dual Credit)
  - Personal Finance
  - Financial Tech Skills
  - Intro to Business

- Management/Leadership Concentration
  - Accounting (Dual Credit)
  - Management
  - Intro to Business

- Business and Computer Science Concentration
  - Intro to Computer Programming with JavaScript (Dual Credit)
  - Multimedia
  - Info. Processing
  - Intro to Business

Other:
Business Independent Study
Work Experience
ELECTIVES

ACADEMIC LITERACY
Length of class: Year and/or Proficiency, 1 credit
Prerequisite: Referral ONLY/permission of administrator
Grade level: 9

Academic Literacy is a course designed to increase students’ ability to comprehend, analyze, and evaluate text using reading strategies. Students will receive instruction in reading skills and strategies that will have a direct correlation to content area and core curriculum. Students must be referred into the course by counselor and/or administration.

AIR FORCE JROTC
(This class is only available at Great Falls High – Students responsible for transportation)
Length of Class: Semester/Year, ½ or 1 credit
Prerequisite: None
Grade Level: 9, 10, 11, 12 (upper levels given preference)

Air Force Junior Reserve Officer Training Corps (AFJROTC) is a program designed to develop citizens of character dedicated to serving their nation and community. Each AFJROTC class consists of three components—leadership education, aerospace science, and a wellness program. Leadership Education offers students many opportunities to shape their character. Students will learn about character development while many character-building topics are discussed. Elements of good citizenship are instilled in students. They are introduced to the Air Force organizational structure, uniform wear, military customs and courtesies, flag etiquette, citizenship in the United States, first aid, health and wellness, fitness, individual self-control, and basic drill and ceremonies. Aerospace Science study includes the history of aviation, cultural studies of major world regions, science of flight, and basics of space exploration. Through the study of history of aviation, cadets will learn about the development of flight throughout the centuries. Through cultural studies, students will learn to see their world through many different perspectives. This part of the course introduces students to the study of world affairs, regional studies, and cultural awareness. Wellness is an official and integral part of the Air Force Junior ROTC program. The objective of the Wellness/Physical Training Program is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives.

There are several extracurricular programs embedded in the program that are completely voluntary; they include: Color Guard (presenting the American Flag at ceremonies/sports events/various functions) Drill and Ceremony Team (teams that compete in marching competitions) Archery Team (learn basics of archery and compete in shooting competitions) Marksmanship Team (learn basics of shooting air rifles and compete in shooting competitions) Multi-copter Club (learn basics of drone operations) Physical Training Club (teams that train and compete in fitness competitions)
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 multi-media 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 psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.

- Students learn about some of the explorations and discoveries made by psychologists over the past century.
- Students assess some of the differing approaches adopted by psychologists, including the biological, behavioral, cognitive, humanistic, psychodynamic, and sociocultural perspectives.
- Most important, students come to an appreciation of how psychologists think (or at least an appreciation of the kind of critical analysis that psychologists espouse and hope to model in their words and actions).

ECONOMICS 1

Length of class: 1st Semester ONLY, ½ credit
Prerequisite: None
Grade level: 11 (with instructor permission), 12

This class will explore some core principles of economics in an attempt to better understand individual choice and behavior and how that relates to the larger world we live in. Using a “less is more” approach, students will apply an “economic way of thinking” to examine not only economic, but also social, political, and historic issues in search of greater understanding and clarity. Only students who are willing to analyze and discuss material at a high level should enroll. This class will go a long way towards preparing students to take the AP Microeconomics exam in May, but students interested in taking and passing the AP exam will be expected to master some concepts and curriculum beyond those outlined in the course syllabus.
**ECONOMICS 2**

Length of class: 2nd Semester ONLY, ½ credit  
Prerequisite: Economics 1  
Grade level: 11 (with instructor permission), 12  

This class will compliment Economics 1, 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. Only students who are willing to analyze and discuss material at a high level should enroll. This class will go a long way towards preparing students to take the AP Macroeconomics exam in May, but students interested in taking and passing the AP exam will be expected to master some concepts and curriculum beyond those outlined in the course syllabus.

**EXCEPTIONALITIES**

Length of class: Year, can add at 2nd semester, 1 or ½ credit  
Prerequisite: Instructor Permission Only  
Grade level: 11, 12  

Students will learn how to work with and learn about students 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**

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 with an exploration of the disciplines 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 enquiry-based research component to allow students to make their own explorations into topics or questions of interest.

**INTRODUCTION TO ATHLETIC TRAINING**

Length of class: Year, 1 credit  
Prerequisite: None  
Grade level: 10, 11, 12  
Materials fee: $25  

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. Student will have the opportunity to be First Aid and CPR certified upon completion of the course. This course is a prerequisite for other medical science courses.
INTRODUCTION TO EDUCATION (Dual Credit)

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

This course will be a dual credit class through MSU-Great Falls College. This course provides an opportunity for students considering education as a career 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 diversity in the school setting and the community. Credit completion includes a field experience in the school setting observing and attending school related meetings.

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 stresses traditional topics including History and Scope of Psychology, Research Methods, Neuroscience, Sensation and Perception, Consciousness, Learning, Memory, Intelligence, Personality and Disorders. Students will have the chance to take the AP test for this course upon completion of both Psychology 1 & 2.

PSYCHOLOGY 2

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

The class is a continuation of Psychology I and the study of human behavior. Topics tend to have an emphasis on the careers available in psychology. Topics to be covered include Therapy, Health Psychology, Motivation and Emotion, Social Psychology, Positive Psychology, Life Span Psychology, Criminal Psychology, Industrial and Organizational Psychology and Sport Psychology. Students will have the chance to take the AP test for this course upon completion of both Psychology 1 & 2.

SIGN LANGUAGE (Dual Credit)

Length of class: 2nd Semester ONLY, ½ credit
Prerequisite: None
Grade level: 9, 10, 11, 12 (upper level given preference)

This is a beginning-level class in sign language in terms of developing expressive and receptive abilities in American Sign Language (ASL), Manually Coded English (MCE), and Signed Exact English (SEE). Fluency with individual words and conversational sentences will be developed through lecture, discussion, small and large group activities, and individual study by students. The main goal is to develop fluency in basic expressive and receptive aspects of Sign Language so that a student may be able to initiate/maintain a basic conversation with a deaf or hard-of-hearing person in a store, restaurant, or casual conversation situation. Care is taken to discuss aspects of Deaf culture and issues related to being deaf, hard-of-hearing, and associated topics. This course is offered for Dual Credit through MSU – Great Falls College.
**SOCIOMETRY I**

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

The value of sociological imagination is 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 covered will include: socialization, society, culture, race, ethnicity, gender, class stratification, deviance and crime.

**SOCIOMETRY II**

Length of class: 2nd Semester **ONLY**, ½ credit  
Prerequisite: Sociology I  
Grade level: 11, 12

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.

**STREET LAW**

Length of Class: Semester, ½ credit, 1st and 2nd Sem  
Prerequisite: Students must pass a background check to be eligible for this class  
Grade Level: 11, 12

This course is taught jointly with the Great Falls Police department, giving students an understanding of their legal rights and responsibilities and a realistic view of the law. Students will experience many hands-on activities as well as numerous guest speakers from the local law enforcement and legal community. A ride-along and weekly current events are part of this requirement and are mandatory.

**TRANSITIONS**

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

This class is designed to aide 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 interest, strengths, and areas for development. Students will earn 1.0 their freshman year. 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 the student 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, from history to 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 II

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

The class will provide the student 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 in 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 Announcements that will be broadcast 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

Criteria for Enrollment in CMR English Honors and AP Courses

Students considering Honors/AP English should have:

1. English grades of A or B
2. Good reading ability, writing and speaking skills
3. Intellectual curiosity, ethics, and leadership
4. College plans
5. Good standardized test scores
6. Consistent attendance in school
7. Maturity
8. Willingness to remain a member of the group for the entire year
9. Willingness to do summer reading and writing assignments
10. Willingness to read more difficult reading selections at a faster pace and greater detail than regular English

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 development of a four to five paragraph composition. Literature will include selections of fiction, drama, poetry, non-fiction and mythology. Literature selections include Romeo and Juliet, The Odyssey, and Of Mice and Men.

ENGLISH 1-2 HONORS

Length of class: Year, 1 credit
Prerequisite: 8th Grade English and Honors/AP Criteria listed at the start of this section
Grade level: 9

Students who enroll in Honors English must be highly motivated, well-organized students who actively participate in class discussions and generally possess the leadership qualities of the motivated learner. Students must be willing to read classics and more difficult authors such as Dickens, Steinbeck and Poe. Students must demonstrate higher level thinking skills and possess strong writing skills. Honors English students must be willing to complete summer reading and writing assignments.

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, technical writing and strategies to use when doing timed writings. Fiction, non-fiction, drama and poetry make up the literature section.
ENGLISH 3-4 HONORS
Length of class: Year, 1 credit
Prerequisite: English 1-2 and Honors/AP Criteria listed at the start of this section
Grade level: 10

The course follows the same basic curriculum as English 3-4; however, there will be more intensive analysis of reading selections and more writing assignments with greater emphasis on the composition process.

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. Composition concentrates on analysis and literature-based essays, technical writing and strategies to use when doing timed writings.

ENGLISH 5-6 HONORS
Length of class: Year, 1 credit
Prerequisite: English 3-4 and Honors/AP Criteria listed at the start of this section
Grade level: 11

Students will follow the same basic curriculum as English 5-6 above, but will have more intensive analysis of reading selections and will work for greater refinement in the written assignments.

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 and completing a research project. Other writing experiences include personal, literature-based essays and technical writing.

AP ENGLISH 7-8 (Dual Credit)
Length of class: Year, 1 credit
Prerequisite: English 5-6 and Honors/AP Criteria listed at the start of this section
Grade level: 12

This class is offered as a Dual Credit class through Great Falls College – MSU. This course is an in-depth study of world-class literature. Successful completion of summer readings and a reading journal are mandatory for entering the program. AP English is a challenging experience that requires more effort, gives opportunity for individual accomplishment and penetrates deeper into both the content of world literature and the analysis of that content. While the AP examination given every May by the College Board is an important benefit of the course, the course focuses on developing additional intellectual discipline. With close reading and intensive study of works of recognized literary merit, writing as a developed discipline and discussion of material that intellectually mature students find engaging, students refine their critical thinking skills by becoming more aware of the nuance of language and appreciative of the creative process.
ENGLISH DEPARTMENT FLOWCHART

Regular English

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

Honors English

- Honors 1-2 (Recommendation from Middle School)
- Honors 3-4
- Honors 5-6
- AP English 7-8

- HONORS 1-2 ENGLISH IS BY RECOMMENDATION FROM MIDDLE SCHOOL TEACHER
- YOU MAY MOVE FROM REGULAR TO HONORS ENGLISH OR FROM HONORS ENGLISH TO REGULAR ENGLISH
- YOU MAY NOT TAKE MORE THAN ONE LEVEL OF ENGLISH WITHOUT AN ACADEMIC VARIANCE
FAMILY & CONSUMER SCIENCE

DEVELOPING CHILD 1-2
Length of Class: Year, 1 credit
Prerequisite: None
Grade level: 10, 11, 12
Fee $30.00

This is a class for those students interested in the development of children, parenting children and working with children in a variety of venues. Students will be CPR trained in this class. Developing Child 1-2 is a prerequisite, students must pass this class with a C or better to continue.

DEVELOPING CHILD 3-4 (Dual Credit)
Length of Class: Year, 1 credit
Prerequisite: Developing Child 1 and 2 with a C or better
Grade level: 11, 12
Fee $30.00

This class is offered for dual credit through University of Montana – Western. Focus for this class will be more in depth work with school age children in various professions. This class is designed for independent learners to work online, meet with the classroom teacher, and complete internship hours. Flexibility must be a consideration.

PREPARATION FOR LIFE
Length of Class: Semester, Sem 1 or Sem 2, 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; practice communication skills that will help be successful at work; apply personal finance guidelines to choosing housing, buying a car and managing a spending plan; learn how to use credit wisely and increase your credit score.

CULINARY ARTS 1-2
Length of Class: Year, 1 credit
Prerequisite: None
Grade level: 9, 10, 11, 12
Fee $50.00

Class contains basic to intermediate food preparation with an emphasis on skills, techniques, presentation, and organization. Safe food handling practices will be emphasized. This class is a pre-requisite to Culinary Arts/Hospitality, Tourism & Recreation. Students must pass this class with a B or better to continue.
CULINARY ARTS/HOSPITALITY, TOURISM, & RECREATION
Length of Class: Year, 1 credit
Prerequisite: Culinary Arts 1-2 with a grade of B or better
Grade level: 10, 11, 12
Fee: $50.00
This class is considered an upper level course and is for those students with not only an interest in cooking but the entire hospitality industry. Course topics focus on culinary arts, travel, tourism, and recreation.

FASHION, DESIGN, & CONSTRUCTION 1
Length of Class: Semester, ½ credit
Prerequisite: None
Grade level: 9,10,11,12
Fee: $15.00
This is a class for those students interested in fashion, design, merchandising and construction. Student 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. Presentation of student projects is required.

FASHION, DESIGN, & CONSTRUCTION 2
Length of Class: Semester, ½ credit
Prerequisite: Fashion, Design, & Construction 1
Grade level: 9,10,11,12
Fee: $15.00
The emphasis in this class is on creativity, design, and incorporating current fashion trends into the class content. This course covers intermediate sewing techniques. Student will design projects on the computerized embroidery machine. The focus will be on careers and sewing for profit and an exploration of current trends in the fashion industry will be investigated. Students must pass this class with a B or better to continue on to Design 3.

INTERIOR DESIGN 1 (Dual Credit)
Length of Class: Semester ½ credit
Prerequisite: None
Grade level: 9,10,11,12
Fee: $15.00
This class enables students to explore their creativity in the field of Interior Design. Students will study the elements of design and backgrounds and lighting in relationship to designing personal space. Field trips will explore the world of Interior Design careers. This class is offered for dual credit through Gallatin College - MSU, for those students who qualify to take dual credit. 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: 9,10,11,12
Fee: $15.00

Explore in depth the principles of design & apply them in a hands-on experiential way. Students will experience design work involving the High School House. Historical periods of design along with modern applications will be emphasized. Career exploration will be examined.

This class is offered for dual credit through Gallatin College - MSU, for those students who qualify to take dual credit. 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. **Students must pass this class with a B or better to continue on to Design 3.**

DESIGN 3

Length of Class: Semester, ½ credit, 1st or 2nd semester
Prerequisite: Interior Design 1 & 2 OR Fashion, Design, and Construction 1 & 2 with a B or better; AND Instructor Permission
Grade level: 11, 12
Fee: $15.00

This is an advanced level course which will involve independent study. This class is for students who have taken Fashion Design and Construction I & II and/or Interior Design I & II. Internships in the design field will 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

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

Individually designed to suit student needs. Specifically for students who would like to continue study in the FCS area. Supervising teacher will meet with students individually to determine course of study.
HEALTH ENHANCEMENT

PHYSICAL EDUCATION 1-2

Length of class: Year, ½ credit; follow the calendar (even on even days, odd 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 games, recreational activities, rhythms and dance, and lifetime activities.

HEALTH 1-2

Length of class: 1 year, ½ credit; follow the calendar (even on even days, odd on odd days)
Prerequisite: None
Grade level: 9 (open to 10, 11, and 12 as 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, and drug awareness, and prescription medications.

HEALTH 3-4

Length of class: Year, ½ credit, follow the calendar (even on even days, odd on odd day)
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 self image, coping with death and suicide prevention, resolving conflict and violence prevention, reproduction from conception to birth, STI’s and HIV as well as body systems.

INDIVIDUAL SPORTS

Length of class: Year, ½ credit; follow the calendar (even on even days, odd 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 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, strategy, and rules necessary to participate in various individual activities. Units include, but are not limited to tennis, Frisbee, folf, yard game, archery, racquet sports, parlor games, hacky sack, spike ball, fitness walking/hiking, golf and fitness testing. This course fulfills the second part of the Physical Education requirement and may be taken for elective credit if space allows.
TEAM SPORTS
Length of class: Year, ½ credit; follow the calendar (even on even days, odd 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 and fitness activities is an elective courses 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, sabaki, ultimate Frisbee, and softball. This course fulfills the second ½ credit at 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 (even on even days, odd 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 and Fitness 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 golf, 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 at 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 (even on even days, odd 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 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 at the Physical Education requirement and may be taken for elective credit as space allows.

AEROBICS
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
Aerobics 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 and resistance training. Class may be taken multiple years for elective credit.
WEIGHT TRAINING
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

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 4 strength training workouts per week as well as plyometric, speed enhancement, and agility training. Class may be taken multiple years for elective credit.

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

Weight Training
Grade Level 10 - 12

Aerobics
Grade Level 10 - 12

- Upper Level Electives are available to freshman only with an approved academic variance.
- Electives may be taken concurrently or consecutively
- Electives may be taken more than one time for credit
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 safe and basic 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 grades.

WELDING 1
Length of class: Semester, ½ credit, 1st or 2nd Sem
Prerequisite: None
Grade level: 10, 11, 12
Fee: $15.00

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, 1st or 2nd Sem
Prerequisite: Welding 1
Grade level: 10, 11, 12
Fee: $15.00

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, 1st or 2nd Sem
Prerequisite: Welding 1
Grade level: 10, 11, 12
Fee: $25.00

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 required, Drafting 1 is strongly recommended
Grade level: 11, 12
Fee: $15.00

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 to 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 yet to be determined

This is a year-long 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 2
Length of class: Semester, ½ credit
Prerequisite: None
Grade level: 10, 11, 12
Fee: $15.00

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—a mill, lathe, and 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 a number of in-class individual projects as in relation to course content.
DC ELECTRICITY
Length of class: Semester, ½ credit
Prerequisite: None
Grade level: 10, 11, 12
Fee: $10.00

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.

RESIDENTIAL ELECTRICITY 2
Length of class: Semester, ½ credit,
Prerequisite: DC Electricity
Grade level: 10, 11, 12

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

APPLIED ELECTRONICS 2
Length of class: Semester, ½ credit
Prerequisite: DC Electricity
Grade level: 10, 11, 12
Fee: $15.00

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. Other topics include robotics and computer control, radio signals, infrared signal, fiber optics and lasers.

POWER TECHNOLOGY
Length of class: Semester, ½ credit, 1st or 2nd Sem
Prerequisite: None
Grade level: 10, 11, 12
Fee: $10.00

Students will provide a small single cylinder four-cycle engine (lawn mower, roto-tiller, etc.) to disassemble and overhaul. Students will also provide a lockable storage tub and the parts required to overhaul the 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 also. Shop practices and safety are stressed. Practical experience will be to disassemble the small engine, clean, measure and recondition 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: 11, 12
Fee: $10.00 per Sem

Automotive Technology is a two-credit, two-period per day, year long course designed to prepare students for technical training as well as entry level employment. The following will be covered: engines, electrical, ignition, fuel, & computer control systems. Students must 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 7AM/1st section)
Prerequisite: Power Tech, Auto Tech 3-4 and instructor approval
Grade level: 12

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 a 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. This course if offered for Dual Credit through Helena College – UM.

**AG MECHANICS**

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

This course will be held 1 period only at a Paris Gibson Auto Center. This course connects scientific principles with mechanical skills. The course will develop understanding and skills in the traditional areas of agricultural mechanics including the following: safety, farm equipment, small engines, global positioning systems, tool maintenance, woodworking, concrete and masonry, metal technology, electricity, plumbing, and surveying.

**CONSUMER MECHANICS (Girls ONLY)**

Length of class: Semester, ½ credit, 1st or 2nd Sem
Prerequisite: None
Grade level: 10, 11, and 12
Fee: $5.00

Practical experience will include disassembling the small engine, finding and comparing manufacturer’s specifications with their engine parts to determine condition of the parts, 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: 10, 11, 12 (space available basis)
Fee: $10.00

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 brackets, a doghouse, play house or shed.

WOODS 1-2
Length of class: Year, 1 credit
Prerequisite: None
Grade level: 10, 11, 12
Fee: $15.00

The course includes the study of safe and basic operation of woodworking machines, kinds of wood, basic wood finishing techniques, and wood joints. Class members will have an opportunity to develop self-reliance, initiative, and responsibility. 2nd semester, students will have the opportunity to design, construct, and finish furniture that requires more time to complete. Students will be responsible to furnish their own wood to complete individual and required project assignments.

WOODS 3-4
Length of class: Year, 1 credit
Prerequisite: Woods 1-2
Grade level: 11, 12

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 wood working knowledge but also by working cost analysis, shop time and space constraints, correct jointing procedures, and layout, and proper selection of equipment and techniques best suited for the project at hand. Machine/equipment maintenance will also be covered in depth.

CONSTRUCTION TECHNOLOGY (HIGH SCHOOL HOUSE)
Length of class: Year, 2 credits, (2 period class)
Prerequisite: Pre-Construction or Woods 1-2 with instructor approval
Grade level: 11, 12
Fee: $25.00

Based on residential construction and building codes: picking site lay out on site, concrete (forming and finishing), estimate materials, framing walls and roofs, stair construction, drywall installation and taping, and roofing on site. An actual house will be built by students. OSHA 10 hour Certification and First Aid/CPR.
DRAFTING 1 (Dual Credit)
Length of class: Semester, ½ credit, 1st or 2nd Sem
Prerequisite: None
Grade level: 10, 11, 12

This course provides for the development of basic Drafting principles. Students will use AutoCAD and various drafting methods. Areas covered are: orthographic projection, isometric and oblique drawings, dimensioning techniques, assembly drawing, sectioning, and auxiliary views, along with architectural drawings. Careers and educational opportunities and 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. This course can be taken for Dual Credit (3) for the “Intro to CAD” course with MSU-Northern.

APPLIED DRAFTING 2
Length of class: 2nd Semester ONLY, ½ credit
Prerequisite: Drafting 1
Grade level: 10, 11, 12

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 3-4
Length of class: Year, 1 credit
Prerequisite: Drafting 1
Grade level: 11, 12

This course provides for development of 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 are: 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 3-4
Length of class: Year, 1 credit
Prerequisite: Drafting 1
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, & print assemblies on a 3D printer. In addition, employment and educational opportunities are explored and discussed.
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

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.

AG LEADERSHIP

Length of class: Full year, ½ credit
Prerequisite: Must currently be enrolled in an Agriculture class, approved CTE course, or approved course of study.
Grade level: 9, 10, 11, 12
Fee: $20 (includes FFA membership, subject to nationally regulated increase)

This course will not formally meet during the day but rather be online and by appointment. Students will complete a Supervised Agricultural Experience (SAE) program consisting of a minimum of 20 documented hours including the appropriate record book documentation. Students will be required to participate in a FFA committee and a minimum of three Career Development Events (CDE’s) at a local, regional, or state level. Students will individually schedule a minimum of 1.5 hours per month with the instructor(s) to review progress, refine skills, and build goals. The curriculum and instruction will focus on life knowledge and skills such as interpersonal relationships, information literacy, problem solving, critical thinking, and teamwork.

AGRICULTURE I

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

This course is an overview of the physical agricultural systems and industry. It will introduce students to plant systems, animal systems, power structural and technical systems, natural resource systems, agribusiness systems, food products and processing. Instruction will utilize career exploration, laboratory experiences, and direct instruction.

AGRICULTURE II

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

This course is an overview of the biological agricultural systems and industry. It will introduce students to plant systems, animal systems, power structural and technical systems, natural resource systems, agribusiness systems, food products and processing. Instruction will utilize career exploration, laboratory experiences, and direct instruction.
AGRICULTURE III

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

This course is an application of selected agricultural systems and industry as related to student interests and career goals. It will introduce students to plant systems, animal systems, power structural and technical systems, natural resource systems, agribusiness systems, food products and processing. Instruction will be delivered in independent student modules. A student must complete 12 modules to complete the course.

AGRICULTURE IV

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

This course is an application of selected agricultural systems and industry as related to student interests and career goals. It will introduce students to plant systems, animal systems, power structural and technical systems, natural resource systems, agribusiness systems, food products and processing. Instruction will be delivered in independent student modules. A student must complete 12 modules to complete the course.
INDUSTRIAL TECHNOLOGY FLOWCHART

Intro to Industrial Tech – 9th Grade Only
Electricity, Drafting, Metals, Woods
Full Year

Welding 1 Semester

Welding 2 Semester

Welding 3 Semester/2 hours

Metals Manufacturing Semester

Welding 2 Design Semester

Architectural Drafting
Full Year

Drafting 1 Semester

Applied Drafting Semester

Engineering Drafting
Full Year

DCElectricity Semester

Residential Electricity Semester

Applied Electronics Semester

Power Technology Semester

Automotive Technology Full Year/2 hours

Automotive ASE PREC Full Year/2 hours

Consumer Mechanics (Girls Only)

Woods 1-2 Full Year

Woods 3-4 Full Year

Pre-Construction Semester

Construction Technology Full Year/2 hours

Applied Physics

Ag 1-IV 4th Leadership Full Year
MATH

MATH LITERACY
Length of class: Year, 1 credit
Prerequisite: This class is by recommendation ONLY. It is not open for student sign-up. Students will be assigned by a Math instructor or the Special Education Co-Coordinator at the High School.
Grade level: 9, 10, 11, 12

This course is designed to prepare students for success in Algebra Prep. The work assigned in the course is modified according to the needs of the students in the course. An emphasis is placed on basic skills using whole numbers, fractions, decimals and integers and the use of these skills in application problems. Students will also work with percents, measurement, unit analysis, probability and statistics.

ALGEBRA PREP
Length of class: Year, 1 credit, students who fail 1st semester, may need to drop the course
Prerequisite: This class is by recommendation
Grade level: 9, 10, 11, 12

This course provides a foundation for Algebra 1. Topics include a review of basic facts, operations with real numbers, basic real number properties, solving linear equations and application problems, solving linear inequalities, graphing and writing linear equations, rules of exponents, polynomials, and factoring.

ALGEBRA I
Length of class: Year, 1 credit
Prerequisite: Pre-Algebra (8th grade math), students who fail 1st semester must drop the course
Grade level: 9, 10, 11, 12

This course covers solving linear equations, linear inequalities, systems of linear equations and quadratic equations, graphing and writing linear and quadratic functions, exponential functions and sequences, polynomial equations and factoring, and radical functions and equations. This course is required for graduation.
Students who find it necessary to move from this class to Algebra Prep 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 I HONORS
Length of class: Year, 1 credit, students who fail 1st semester must drop the course.
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 of the content of Algebra 1 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, require more time for assignments outside of class and moves at a faster pace than Algebra 1. Students who find it necessary to move from this class to Algebra 1 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.
INTERMEDIATE ALGEBRA

Length of class: Year, 1 credit, students who fail 1st semester may need to drop the course.
Prerequisite: Algebra 1
Grade level: 10, 11, 12

This course is for the student who received a “low C” or “D” in Algebra 1. 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.

GEOMETRY

Length of class: Year, 1 credit, students who fail 1st semester must drop the course.
Prerequisite: Algebra 1, (C or better advised)
Grade level: 10, 11, 12

This course begins with an introduction of the basic concepts of Geometry. Students then go on to learn reasoning and proof, properties of parallel and perpendicular lines, transformations, congruent triangles, quadrilaterals and other polygons, relationships within triangles, similarity, right triangles and some basic trigonometric concepts, and properties of circles.
Students who find it necessary to move from this class to Intermediate Algebra 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.

HONORS GEOMETRY

Length of class: Year, 1 credit, students who fail 1st semester must drop the course.
Prerequisite: Algebra 1, (C or better advised)
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, students who fail 1st semester must drop the course.
Prerequisite: Algebra 1 and Geometry
Grade level: 10, 11, 12

This course will review many topics introduced in Algebra 1 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, students who fail 1st semester must drop the course.
Prerequisite: Completion of Algebra 1 Honors and Geometry and/or recommendation by Geometry teacher.
Grade level: 10, 11

Similar to the content in Algebra 2/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 2/Trigonometry. Students who find it necessary to move from this class to Algebra 2/Trig 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 III

Length of class: Year, 1 credit, students who fail 1st Sem must drop the course.
Prerequisite: Algebra 2/Trigonometry
Grade level: 11, 12

2nd year algebra and trigonometry topics will be reviewed and utilized to develop further relations between algebra and geometry. This includes the study of conic sections with transformations and relations, the study of sequences and series, probability, and the study of vectors.

Students will learn to:
- Use trigonometry relations, find roots and powers of numbers
- Recognize the equations of various conic sections
- Work with sequences and series
- Use proof by induction
- Solve higher degree equations
COLLEGE ALGEBRA 121 (Dual Credit)
Length of class: 1 semester, ½ credit
Prerequisite: Algebra 2/Trig and Instructor Permission
If dual credit is desired an ACT Score of 23 or Accuplacer score of 98+ in elementary algebra or 57-80 in college math.
Grade level: 12

This course is offered for dual credit through Great Falls College – MSU. 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.

PRE CALCULUS 151 (Dual Credit)
Length of Class: 1 semester, ½ credit
Prerequisite: College Algebra 121 grade of C or higher and Instructor Permission
If dual credit is desired and ACT Score of 25 or an Accuplacer score of 81-103 on college algebra and/or qualifying COMPASS/ACT score
Grade Level: 12

This course is offered for dual credit through Great Falls College – MSU. 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.

ANALYSIS
Length of class: Year, 1 credit, students who fail 1st semester must drop the course.
Prerequisite: Algebra 2/Trig Honors, Algebra 2/Trigonometry, or Algebra 3, and teacher recommendation.
Grade level: 11, 12

These courses inter-relate the previous mathematics training, algebra, geometry, and trigonometry. These relationships lead to the development of calculus. Theory and application of differential calculus topics will be pursued.
HONORS STATISTICS (Dual Credit)
Length of class: Year, 1 credit, student who fail 1st semester must drop the course.
Prerequisite: Algebra 2/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. Statistics is a dual enrollment class. Students may opt to take this for both high school and college credit, with college credit granted by Great Falls College - MSU. A student-paid fee is involved for the dual credit and for the AP test, if taken.

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

AP CALCULUS
Length of class: Year, 1 credit
Prerequisite: Algebra 2/Trig Honors, Algebra 3, or Analysis, 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.

College credit is available for those who successfully complete the AP Calculus exam at the student’s expense. Students who take this course are required to take the AP Test.

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.
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. If student’s have a question about this they should talk with their current math teacher or a past math teacher. 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.

APPLIED MATHEMATICS

Length of class: Year, 1 credit
Prerequisite: Pre-Algebra; teacher recommendation
Grade level: 11, 12 (Senior status preferred)

The course begins with a general review of computational skills with whole numbers, integers, fractions, decimals, and percentage. These skills are then applied to the study of different number bases, consumer related application, introductory algebra and geometry topics, and elementary statistical applications.
The following classes require special placement by the Math or Special Education Department:
- Math Literacy
- Algebra Prep
- Survey of Mathematics
- Applied 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.
MEDICAL SCIENCE

The medical science academy is designed for students interested in careers in any field of health care (physician, nurse, physical therapist, athletic trainer, veterinary medicine, dentistry, etc.). Students will receive an overview of careers in the healthcare field and prepare to enter a post-secondary healthcare program. The medical science academy consists of 6 courses and an internship option. Introduction to Health Occupations is a prerequisite for all other medical science classes and Medical Terminology is a prerequisite for all senior level classes.

MEDICAL TERMINOLOGY (Dual Credit**)
Length of class: Semester, ½ credit, Offered online only
Prerequisite: None
Grade Level: 9, 10, 11, 12 (Upper grade levels will be given preference)

**This course is offered for dual credit through Great Falls College – MSU for those students who qualify. In order to receive dual credit, the student MUST be 16 years or older.

This course will focus on the many components of a medical term by learning and recognizing word roots, prefixes, suffixes and abbreviations used in medical languages today. Learn how to combine words to create meaningful medical conditions as well as comprehend their definition and know the correct spelling and pronunciation. In this medical terminology course, we will cover medical terms related to all major body systems. This is an online class which is required prior to entering any senior level health science classes.

INTRODUCTION TO HEALTH OCCUPATIONS
Length of class: Year, 1 credit
Prerequisite: None
Grade level: 10, 11, 12

This introductory medical 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, cultural diversity, medical terminology and medical math. This course is a prerequisite for all other medical science courses.

HUMAN BODY SYSTEMS
Length of class: Year, 1 credit
Prerequisite: Intro to Health Occupations, (may be taken concurrently), Chemistry recommended
Grade level: 11, 12

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 as many body systems as time allows. There will be some dissection in this course. This course is intended to serve the needs as an introduction anatomy course for the allied health field.
HONORS HUMAN BIOLOGY 5-6  
Length of class: Year, 1 credit  
Prerequisite: Intro to Health Occupations (may be taken concurrently), Biology 1-2, Chemistry (may be taken concurrently)  
Grade level: 11, 12  
Materials Fee: $25**  

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.

INTRODUCTION TO ATHLETIC TRAINING  
Length of class: Year, 1 credit  
Prerequisite: None  
Grade level: 10, 11, 12  
Materials fee: $25  

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. Student will have the opportunity to be First Aid and CPR certified upon completion of the course. This course can be a prerequisite for other medical science courses, although Introduction to Health Occupations is preferred.

CNA  
Length of class: 1 Quarter for 2 hours per day, .5 credit  
Prerequisite: Intro to Health Occupations, Medical Terminology, Human Body Systems OR Honors Human Biology (may be taken concurrently)  
Grade level: 11, 12 (preference will be given to 12th grade)  
Fee: There is a fee to take the certification exam.  

The CNA (Certified Nursing Assistant) course is a quarter long and is taught by nurses from Benefis Healthcare. The classes are taught during period 0 and 1 with travel time allotted during period 2. After successful completion of the CNA course, students may choose to take the certification exam.

EMT BASIC  
Length of class: Year, 1 credit  
Prerequisite: Intro to Health occupations, Medical Terminology, Human Body Systems OR Honors Human Biology (may be taken concurrently)  
Grade level: 11, 12  
Fee: There is a fee to take the National Registry Exam  

The course will focus on skill development in the primary responsibilities of the EMT-B. Upon successful completion of the course, graduates are eligible to sit for the Montana and National Registry certification examinations. Students must be 18 years of age to take certification examination.

This course is also offered for dual credit through Great Falls College – MSU, the session at CMR is NOT a dual credit offering but will prepare students to take the certification exam.
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, Medical Terminology, Human Body Systems or Honors Human Biology
Grade Level: 12

Students will work in a cooperative learning setting to review case studies and practical scenarios related to the function of the human body systems and current health care issues. Evaluation of these topics will allow students to apply knowledge and skills acquired to previous health science classes.

HEALTH OCCUPATIONS INTERNSHIP

Length of class: Year, 1 credit (Internship placement of 45 hours minimum) Both semesters are required for enrollment in this course.
Prerequisite: Intro to Health Occupations, Medical Terminology, and either Human Body Systems OR Honors Human Biology
Grade level: 12

Students will receive high school credit for working in a health-related field. Hours will be determined upon internship placement. Students who decide to drop this course at semester will do so with the understanding they will receive an F for 1st semester.

MEDICAL SCIENCE FLOWCHART
MUSIC

GUITAR 101
Length of class: Year, 1 credit
Prerequisite: None
Grade level: 9, 10, 11, 12

Do you want music to be a part of your school day? This music course will introduce you to the fundamentals of music, using the guitar as the main method of delivery. Major concepts covered will include music fundamentals, world music and culture, composition and songwriting. Students who are enrolled in band, choir or orchestra are welcome to enroll in this class as well; however, students who drop a performance class (band, choir, and orchestra) without permission from their instructor will not be admitted into this class. Fine art credit will be earned.

MUSIC THEORY (HONORS CLASS)
Length of class: Year, 1 credit
Prerequisite: Instructor permission.
Grade level: 10, 11, 12

Through this course you will explore music theory (what makes music and how it’s put together), music history (the history of composers, their music, and musical forms), music composition (yes, you will learn to write your own music!), music listening (score study with a recording) and piano playing! Music Theory is not listed as an Honors Class, but it carries honors distinction for graduation and transcript purposes. Those taking the class may opt to take the AP Theory test. Students DO NOT need to be in a performing music ensemble, but it is highly recommended as this course can be quite challenging to those unfamiliar with music notation.

CHOIRS

CHANSON WOMEN'S CHOIR
Length of class: Year, 1 credit
Prerequisite: SELECTION BY DIRECTOR THROUGH AUDITION PROCESS
Grade level: 9

This is a choir for all freshman girls who are interested in singing. The choir prepares a variety of music selections and participates in four seasonal concerts each year, participation is mandatory.

MEN'S CHOIR
Length of class: Year, 1 credit
Prerequisite: SELECTION BY DIRECTOR THROUGH AUDITION PROCESS
Grade level: 9

This is a choir for all freshman boys who are interested in singing. The choir sings a variety of musical selections and participates in four season concerts each year, participation is mandatory.
CHACONNE CHOIR – INTERMEDIATE WOMEN’S CHOIR
Length of class: Year, 1 credit
Prerequisite: SELECTION BY DIRECTOR THROUGH AUDITION PROCESS.
Grade level: 10, 11, 12
Fee: $10 (wardrobe)

This intermediate women’s choir prepares a variety of music selections and participates in four seasonal concerts each year. Concert participation is mandatory. Chaconne wears school dresses; there will be a small wardrobe fee.

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

This is a mixed choir. Singers will prepare a variety of music. Participation in scheduled public performances is required.

CHARLIE’S GIRLS – ADVANCED WOMEN’S CHOIR
Length of class: Year, 1 credit
Prerequisite: SELECTION BY DIRECTOR THROUGH AUDITION PROCESS.
Grade level: 10, 11, 12
Fee: $10 (wardrobe)

This choir is the most advanced women’s 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. Charlie's Girls wear school dresses; there will be a small wardrobe fee.

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 (wardrobe)

This is a highly select mixed choir that performs on and off campus throughout the year, including overnight trips. Students must be reliable and able to attend all performances/events. Members will wear school gowns and tuxes; there will be a small wardrobe fee.
**RUSSELL AYRES – 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 (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 overnight trips. Members must be reliable and make a commitment to attend all performances/events. Members must also be enrolled in Chanteur choir. Members will wear school gowns and tuxes; there will be a small wardrobe fee.

**BANDS**

**MAVERICK BAND – INTERMEDIATE CONCERT BAND**

Length of class: Year, 1 credit  
Prerequisite: Previous band experience, at least at the beginning level, is necessary. Ability level commensurate with performance demands as DETERMINED BY THE INSTRUCTOR.  
Grade level: 9

Maverick Band offers daily experiences to freshmen who are suited for intermediate level band performance. Basic musical fundamentals are thoroughly reviewed and developed with the aim of preparing each student for promotion to more advanced bands at CMR. Like all other bands at CMR, performances at concerts, festivals, and clinics are a regular part of the experience for members of the Maverick Band.

**PERCUSSION ENSEMBLE**

Length of class: Year, 1 credit  
Prerequisite: Open only to percussion students with previous experience or with permission of the director.  
Grade level: 9, 10, 11, 12

This class will daily explore all areas of percussion including, snare drum, mallets, timpani, auxiliary percussion and drum set. Various types of music including marching, concert and percussion ensemble will be explored each year. Students in this class will provide percussion for Maverick Band during the year.

**RUSTLER BAND – ADVANCED-INTERMEDIATE CONCERT BAND**

Length of class: Year, 1 credit  
Prerequisite: Previous band experience beyond the intermediate level is necessary. Membership in the Rustler band is based on the player's ability level as DETERMINED BY THE INSTRUCTOR.  
Grade level: 9, 10, 11, 12

Rustler Band offers daily experiences to freshmen, sophomores, juniors, and seniors who are suited for advanced-intermediate level band performance. Basic musical fundamentals are thoroughly reviewed and developed with the aim of preparing each student for future performance at more advanced levels. Performances at concerts, festivals, and clinics are a regular part of the experience for members of the Maverick Band. In addition, members of the Rustler Band are eligible for participation in marching and pep bands at CMR.
SYMPHONIC BAND – ADVANCED CONCERT BAND

Length of class: Year, 1 credit
Prerequisite: PLACEMENT BY AUDITION. 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 Instructor.
Grade level: 9, 10, 11, 12

Symphonic Band offers daily experiences to exceptional freshman, sophomore, junior, and senior musicians who are suited for the most advanced level of band performance. Numerous musical fundamentals are thoroughly reviewed and further developed in order to perform music of the highest possible caliber. Several performances at concerts, festivals, and clinics are a regular part of the experience for members of the Symphonic Band. In addition, members of the Symphonic Band are eligible for participation in marching and pep bands at CMR. The Symphonic Band is the touring band that experiences an annual three- to four-day performance tour in the spring. In the past, the CMR Symphonic Band has toured Washington, Idaho, Oregon, Montana, Wyoming, British Columbia and Alberta.

RUSSTONES

Length of class: Year, 1 credit
Prerequisite: Must be a member of major performing group (Choir, Band or Orchestra). Good standing academically. AUDITION WITH DIRECTOR.
Grade level: 9, 10, 11, 12

Study performance of various styles of jazz and rock music

ORCHESTRAS

STRING ENSEMBLE

Length of class: Year, 1 credit
Prerequisite: Previous string experience. NO AUDITION NECESSARY for this group.
Grade level: 9

String Ensemble offers daily experience rehearsing string orchestra music of all eras matching the playing ability of the group. ALL freshmen orchestra students must take String Ensemble. 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 be exposed to the 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 will be expected to perform outside of the school day at concerts, festivals and clinics put on by visiting guest artists.
CONCERT ORCHESTRA
Length of class: Year, 1 credit
Prerequisite: Open to non-freshmen string students with previous experience. Students must also be academically eligible.
Grade level: 10, 11, 12

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 will be exposed to 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 will be expected to perform outside of the school day at concerts, festivals and clinics put on by visiting guest artists.

CHAMBER ORCHESTRA
Length of class: Year, 1 credit
Prerequisite: Open ONLY BY AUDITION to string students with extensive previous experience. Students must also be academically eligible.
Grade level: 10, 11, 12

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 be exposed to: 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 is also included. Students will be expected to perform outside of the school day at concerts, festivals and clinics put on by visiting guest artists. Chamber Orchestra will also represent CMR at festivals and concerts outside of Great Falls, including a required tour in the spring.
PUBLICATIONS

INTRODUCTION TO JOURNALISM
Length of class: Year, 1 credit
Prerequisite: None
Grade level: 9, 10, 11 (Grade 12 with special instructor permission)

Student must have an interest in media (print, social, and web-based media), current events, publishing and composition. Students should have an interest in applying for a staff position in one of the publication workshops. They must possess proficient computer skills such as keyboarding and word processing. Self-motivation, good time management skills and a positive attitude and work ethic are characteristics of candidates for this introduction to journalism course. Students will be accountable for building a portfolio of their work for evaluation. This course surveys all of the elements comprising the journalism and publishing process:

- Copy writing, editing and journalistic style
- Various genres, including sports, feature, news, opinion
- Reporting basics, including interviewing, note-taking, quotations and attribution
- Basic digital photography
- Graphic design and layout
- Desktop publishing emphasizing InDesign and Photoshop software
- Convergent online media
- Advertising sales/design
- Press law and ethics
- Journalism history
- Exposure to the work of professional journalists, photographers and designers
- Leadership and teamwork strategies

Students will account for their work by learning to build 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 a CMR publication. This course counts toward fulfillment of the Career Technical requirement.
NEWSPAPER WORKSHOP

Length of class: Year, 1 credit
Prerequisite: Intro to Journalism, and/or Instructor Permission, 2.5 GPA recommended
Grade level: 10, 11, 12 (Grade 9 with special permission from instructor)

Students must have an interest in media (print, social and web-based), digital technology, current events, publishing and the composition processes and public relations and/or business practices. This workshop places students in individual staff positions with outlined job responsibilities based upon student applications. Editors and staff must publish several issues of the newspaper, “The Stampede” throughout the school year. Staff is also responsible for the production of the online news sites, www.rustlernews.com.

Students must demonstrate a strong work ethic and 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 mandatory. Staff members must show an ability to articulate ideas and problem-solve. Students assist in the distribution of The Stampede each month.

Newspaper staff members demonstrate the following characteristics: observance of details, sincerity, the ability to critically listen to and articulate concepts, integrity, leadership, reliability, honesty, diversity and dedication to the objective of publishing the newspaper in a responsible and ethical manner. This course fulfills the Career Technical requirement. Students will account for their work by building an e-portfolio, and they will participate in a semester exit interview.

YEARBOOK WORKSHOP

Length of class: Year, 1 credit
Prerequisite: Introduction to Journalism and/or Instructor permission, 2.5 GPA recommended
Grade level: 10, 11, 12 (Grade 9 with special permission from instructor)

Students must have an interest in the people and events of CMR, digital technology, current events, publishing and composition processes, public relations, and/or business practices. This workshop places students in individual staff positions with outlined job responsibilities based upon student applications. Editors and staff must meet, with no hesitation, the six plant deadlines set by the professional yearbook company. This results in the mandatory distribution of The Russellog in May.

Students must demonstrate a strong work ethic and self-motivation by completing specific job tasks independently or within a group dynamic. They must understand the time commitment of before and after school time that is mandatory. Staff members must show an ability to articulate ideas and problem-solve.

Yearbook staff members must demonstrate the following characteristics: observance of details, sincerity, the ability to critically listen to and articulate concepts, integrity, leadership, reliability, honesty, diversity 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, and they will have a semester exit interview. This course fulfills the Career Technical requirement.
RUSTLERNEWS.COM WORKSHOP - ONLINE/PHOTOJOURNALISM/VIDEOGRAPHY

Length of class: Year, 1 credit
Prerequisite: Introduction to Journalism, Video Production, Multi-media, and/or Instructor Permission
Grade level: 10, 11, 12

This course is designed for students whose interest lies primarily in photojournalism, videography, and online production. Students must have an interest in web-based media, digital technology, school events, publishing, the composition processes and digital photography. Staff will be responsible for taking photographs of school and community events for both the newspaper and yearbook – as well as for the journalism department’s online site. Students will shoot and post videos online, as well as create videos to accompany articles published in The Stampede and The Russellog. Students will publish regular updates to rustlernews.com throughout the school year. These updates may include blogs, podcasts, photography, video and all elements necessary to keep a 24/7 real-time publication viable.

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 often required. Staff members must show an ability to articulate ideas and problem solve. Online newspaper staff members must demonstrate these characteristics: observance of details, sincerity, the ability to critically listen to and articulate concepts, integrity, leadership, reliability, honesty, diversity and dedication to the objective of publishing the online newspaper in a responsible and ethical manner. This course fulfills the Career Technical requirement.

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 publication. 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. The independent study 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 the 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 Sem may continue 2nd Sem
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 & processes in organisms, ecosystems, heredity, and biological evolution.

BIOLOGY 3-4
Length of class: Year, 1 credit, students who fail 1st Sem must drop the course
Prerequisite: Successful completion of Earth and Space Science and Biology 1-2
Grade level: 11, 12
Fee: $10.00

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 which 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 Sem must drop the course
Prerequisite: Bio 1-2 AND Chemistry (Honors Preferred), or current enrollment in Chemistry. Any exceptions to these prerequisites will require Instructor permission.
Grade level: 11, 12 (Seniors will be given preference).

The course covers a vast amount of material and thus makes heavy demands on even the best organized student. Emphasis on four main areas of biology: the structure & processes in organisms, ecosystems, heredity, and biological evolution. Laboratory work includes a minimum of 10 labs, and selected articles and books will be assigned. At the end of the year the students will have an opportunity to take the standardized AP Biology test.
HONORS HUMAN BIOLOGY 5-6
Length of class: Year, 1 credit
Prerequisite: Intro to Health Occupations (may be taken concurrently), Biology 1-2, Chemistry (may be taken concurrently)
Grade level: 11, 12
Materials Fee: $25**

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 Sem must drop the course.
Prerequisite: Successful completion of Earth and Space Science and Biology 1-2 (must pass both).
Note: this class does not meet the requirements needed to take a second year of chemistry
Grade level: 10 (with instructor permission), 11, 12

An introduction to modern chemical principles 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 Sem must drop the course.
Prerequisite: Successful completion of Earth and Space Science, Biology 1-2, and Algebra 1-2, all 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 and 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 bases, 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.
INORGANIC CHEMISTRY
Length of class: 1st Semester ONLY, ½ credit
Prerequisite: One year of Honors Chem (or equivalent) and Algebra 1-2, both with at least a "C" grade. General Chemistry will NOT meet requirements.
Grade level: 11, 12

Review of major chemical principles of equations, moles and stoichiometry. Students will study kinetics, equilibrium, (including gaseous, acid/base and solution equilibria), thermodynamics (enthalpy, entropy, and Gibbs free energy), oxidation-reduction and electrochemistry. Students will learn advanced laboratory procedures and techniques.

ORGANIC CHEMISTRY
Length of class: 2nd semester ONLY, ½ credit
Prerequisite: One year of Honors Chem (or equivalent) and Algebra 1, both with at least a "C" grade. General Chemistry will NOT meet requirements
Grade level: 11, 12

An introduction to the chemistry of carbon based compounds. Topics presented are bonding and isomerism, IUPAC nomenclature, hydrocarbons, aromatic compounds, types of organic reactions, reaction mechanisms, stereoisomers and polymers. This course is particularly helpful for students planning a career in chemistry, biology, medical fields, or material sciences.

APPLIED PHYSICS 1-2
Length of class: Year, 1 credit:
Prerequisite: Foundations of Science 1-2 and Algebra Prep or Instructor permission
Grade level: 10, 11, 12

Applied Physics is an inquiry based approach to science that will help prepare students for vocational schools and the workplace. This is best done through a project based class. Students can expect to build bridges, boats, wings, bottle rockets, and closely examine alternative energy sources such as solar panels and wind generators. Students will be given the background information in Newtonian Mechanics, Fluid Dynamics and Basic Electricity to understand good design choices with their projects. They will also be given access to computer and programs such as Microsoft Word and Excel to communicate their findings with others.

GENERAL PHYSICS 1-2
Length of class: Year, 1 credit, students who fail 1st Sem must drop the course.
Prerequisite: Foundations of Science 1-2 and Algebra 1
Grade level: 11, 12

General Physics is an inquiry based approach to physics. We believe that this will best prepare students for college and careers in the liberal arts. The course is very hands on and students can expect to write ten labs per semester. This class is designed for college bound students interested in Liberal Arts. 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. This course incorporates less mathematical analysis than the honors physics course.
HONORS PHYSICS (Dual Credit)
Length of class: Year, 1 credit, students who fail 1st Sem must drop the course.
Prerequisite: Foundations of Science 1-2, Algebra I and Algebra II/Trig with at least a "C" grade. (can take Alg II/Trig concurrently)
Grade level: 11, 12
This course is offered as a Dual Credit class through Montana Tech. Honors Physics is an inquiry based approach to physics. We believe that this will best prepare students for college and careers in science and engineering. The course is very hands on and students can expect to write ten labs per semester. This class is designed for college bound students interested in Math, Science or Engineering. This course will include a general study of forces, motion, gravitation, energy, waves, electricity, magnetism and relativity.

INTRO TO ENGINEERING (Dual Credit)
Length of class: Year, 1 credit
Prerequisite: Algebra II/Trig (or concurrent enrollment), any 3rd year science course (or concurrent enrollment), or instructor permission
Grade level: 11, 12
This class is offered as a Dual Credit class through Montana Tech. This class is designed for students that are interested in a career in engineering, construction, business, or design. The course will include a general study of the relationships between math, science, business, the arts, and engineering. Students can expect to be introduced to engineering communication, technical writing, ethics, estimation, dimensional analysis, AutoCAD, and Excel. Students will also complete several projects working with ballistic pendulums, mathematical modeling, fluid dynamics, and bridges. The curriculum meets current ABET (Accreditation Board of Engineering and Technology) standards. Students that have taken any of the following courses: advanced math, physics, drafting, metals, woods, business, and the arts are encouraged to take this course.

GEOLOGY 1-2
Length of class: Year, 1 credit, students who fail 1st Sem must drop the course
Prerequisite: Earth and Space Science with a grade of "C" or better or with instructor permission
Grade level: 10 (with concurrent enrollment in Biology 1-2), 11, 12
This is an introductory course in geology that builds upon principles of earth sciences learned in Foundations of Science. Rocks, minerals, maps, weathering and erosion, plate tectonics, volcanism, earthquakes, and geological time are some of the main subject areas. Emphasis will be on Montana Geology.
FORENSIC SCIENCE 1-2
Length of class: Year, 1 credit, students who fail 1st Sem must drop course
Prerequisite: Successful completion of Earth and Space Science and Biology 1-2.
Grade level: 11, 12
Fee: $15.00

Forensic Science deals with the study of physical and/or chemical evidence left at the scene of a crime. This multidisciplinary project 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 evidences and organize them in a way that explains events. This class also is intended to expose students to various laboratory skills commonly used during a forensic investigation. Students will utilize sciences and technology in the investigation process. Students will enjoy participating in this class if they are interested in Chemistry, Molecular Biology or Physics in a concentrated, hands-on setting. Students must maintain an accurate laboratory notebook and be highly motivated and dedicated to science.

HUMAN BODY SYSTEMS
Length of class: Year, 1 credit
Prerequisite: Intro to Health Occupations, (may be taken concurrently), Chemistry recommended
Grade level: 11, 12

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 as many body systems as time allows. There will be some dissection in this course. This course is intended to serve the needs as an introduction anatomy course for the allied health field.
Science Dept Flow Chart

Earth and Space Science
9th Grade

Biology 1-2
10th Grade

College Bound?

Yes

3rd year of science (required)
Choose from the following
Biology 3-4
C in Bio 1-2 Recommended
AP Biology
Honors Chemistry Recommended
General Chemistry
Designed for tech school or liberal arts college student
OR
Honors Chemistry
Requires Algebra 1 with a C or better
Designed for science college student
General Physics
Recommended Algebra 1 with C or better
Designed for liberal arts college student
OR
Honors Physics Dual Credit
Requires Algebra II Trig or concurrent enrollment
Designed for math/science/engineering college student
Forensics Dual Credit
Geology
Foundations C or better
Human Body Systems 2
Requires Intro to Health Occupations and Chemistry
Honors Human Biology 5-6
Requires Intro to Health Occupations and Bio 1-2

No

3rd year of science (required)
Choose from the following
Biology 3-4
C in Bio 1-2 Recommended
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 1 with C or better
Forensics Dual Credit
Geology
Earth and Space Science C or better

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

4th year of science (recommended)
Choose any third year science or:
Advanced Inorganic Chemistry
Requires Honors Chemistry
1st Semester only
Organic Chemistry
Requires Honors Chemistry
2nd Semester only
Introduction to Engineering Dual Credit
Requires Algebra II Trig or concurrent enrollment 3rd year science or concurrent enrollment

The Science Department believes that a student is best prepared 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 a year of world history from 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 some emphasis on geography.

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

This one semester required 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 on-line 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 as a world power 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

This class is offered as a Dual Credit class through either The University of Great Falls or Great Falls College - MSU. Students may opt to take this for both high school and college credit, with up to 6 semester credits granted by Great Falls College-Montana State University OR University of Great Falls. It also may be taken as preparation for the AP exam. Students who choose the AP option must 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 evaluated will be: 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.
GOVERNMENT
Length of class: Semester, ½ credit, 1st & 2nd Sem may be available on-line 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: Students are expected to take the AP test.
Grade level: 12
This class is offered as a Dual Credit class through either The University of Great Falls or Great Falls College – MSU. Students may opt to take this for both high school and 3 semester credit. It also may be taken as preparation for the AP test. Students who choose the AP option must 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 can expect to write papers regularly and should expect a far more rigorous course than a regular government class. Students are expected to purchase the text and complete reading 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.

ECONOMICS 1
Length of class: 1st Semester ONLY, ½ credit
Prerequisite: None
Grade level: 11 (with instructor permission), 12
This class will explore some core principles of economics in an attempt to better understand individual choice and behavior and how that relates to the larger world we live in. Using a “less is more” approach, students will apply an “economic way of thinking” to examine not only economic, but also social, political, and historic issues in search of greater understanding and clarity. Only students who are willing to analyze and discuss material at a high level should enroll. This class will go a long way towards preparing students to take the AP Microeconomics exam in May, but students interested in taking and passing the AP exam will be expected to master some concepts and curriculum beyond those outlined in the course syllabus.

ECONOMICS 2
Length of class: 2nd Semester ONLY, ½ credit
Prerequisite: Economics 1
Grade level: 11 (with instructor permission), 12
This class will compliment Economics 1, 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. Only students who are willing to organize and discuss material at a high level should enroll. This class will go a long way towards preparing students to take the AP Macroeconomics exam in May, but students interested in taking and passing the AP exam will be expected to master some concepts and curriculum beyond those outlined in the course syllabus.
SOCIAL STUDIES FLOWCHART

9th Grade:
Essentials of World History
(Full Year)

10th Grade:
Montana Government
(Semester)

11th Grade: (Full Year)
US History
OR
AP US History

12th Grade:
Government (Semester)
AP Government (Full Year)

SOCIAL STUDIES ELECTIVES

- Economics 1 & 2
- Psychology I/II
- AP Psychology
- Sociology I/II
- Street Law
THEATRE ARTS & STAGECRAFT

INTRO THEATRE 1-2
Length of class: Year, 1 credit  
Prerequisite: None. Students need not 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

Improvisation acting, rehearsing, and production, stage terminology, theater history and dramatic literature. This course is an introduction to basic dramatic skills and an appreciation of theater.

INTERMEDIATE THEATRE 3-4
Length of class: Year, 1 credit  
Prerequisite: At least one semester of Theatre, "C" in previous drama courses  
Grade level: 10, 11, 12

Acting, film, dramatic literature, play production, improvisation, acting theory, and stage movement. Performing for and with children and participation in co-curricular presentations.

ADVANCED THEATRE 5-6/7-8
Length of class: Year, 1 credit:  
Prerequisite: At least two semesters of Theatre, "C" in previous drama courses  
Grade level: 11, 12

Advanced acting, lateral thinking, laboratory acting work (performance intensive), stage movement, improvisation, group problem solving, play production, auditioning, and resumes. Participation in co-curricular presentations.

STAGECRAFT DESIGN 1-2 - DESIGN FOR THE THEATER
Length of class: Year, 1 credit  Fine Art or Career Technical credit.  
Prerequisite: Experience in art, sewing, or drama helpful but not necessary; pending Instructor approval and completion of a Stagecraft application.  
Grade level: 10, 11, 12

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, and production procedures and protocol. Class members are encouraged, but not required, to act as backstage crew (particularly in leadership positions) for department productions.
STAGECRAFT TECH I - TECHNICAL APPLICATIONS

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

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.
Grade level: 11, 12

Stagecraft Tech students will be required to complete a minimum of 5 hours of work outside of class on class-related activities each semester. This will be done in special consultation with the instructor. 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. *Our language classes are not suited to native speakers.*

**FRENCH 1-2 (1st Year)**

Length of class: Year, 1 credit, must pass first semester in order to continue into second semester  
Prerequisite: Recommend a "C" average in English  
Grade level: 9, 10, 11, 12

In first year French, we work on listening, speaking, reading and writing in French. A special emphasis is giving to listening and speaking. Students will acquire these language skills through the use of storytelling. The class is intended to give the student a basis in good, grammatically correct, everyday French with emphasis on appropriate current expressions and vocabulary. In addition to storytelling, we will sing songs, do skits and learn about the culture of France, including holidays and everyday life.

**FRENCH 3-4 (2nd Year)**

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

French 3-4 students will review elements of the 1st year class and will continue to understand, speak, read and write French in greater depth. Students will continue to acquire language skills through storytelling. We also spend time learning about specific regions of France and French-speaking Switzerland. There is a large focus on reading fluency and comprehension in French 3-4. We also continue to speak using current vocabulary. Time permitting, we will also do selected readings and film studies.

**FRENCH 5-6 (3rd Year)**

Length of class: Year, 1 credit, must pass first semester in order to continue into second semester  
Prerequisite: French 3-4, recommend a "B" average in French 3-4  
Grade level: 10, 11, 12

We will continue to use storytelling in class. Attention will mostly be given to speaking French, but writing and listening activities will also be incorporated. Students should expect to read French books on a regular basis in class. They are novels and books about different regions where French is spoken in the world. We do an in-depth study of World War II and its impact on the citizens of France. In the spring, we read "Le Petit Prince." Students will also do film studies. 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

Students continue to improve their communications skills in French through an emphasis on composition, conversation and reading selections. Students continue advanced study and review 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.

GERMAN 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

The primary goal is to help students develop proficiency in the four basic skills: listening, speaking, reading, and writing. At the same time, the class aims to increase the students' knowledge and appreciation of the diverse cultures of the countries where German is spoken. The emphasis is on communication with grammar and vocabulary presented in culturally authentic situations through storytelling.

GERMAN 3-4 (2nd Year)
Length of class: Year, 1 credit, must pass 1st Sem in order to continue 2nd Sem
Prerequisite: German 1-2, recommend a "C" average in German 1-2
Grade level: 9, 10, 11, 12

All phases - understanding, speaking, reading, and writing - are reviewed and continued in greater depth. Previously learned and new grammar and vocabulary are practiced in constant daily usage. Current events, music, media and other cultural information are integrated into the program through storytelling and Komm mit! textbook.

GERMAN 5-6 (3rd Year)
Length of class: Year, 1 credit, must pass 1st Sem in order to continue 2nd Sem
Prerequisite: German 3-4, recommend a "C" average in German 3-4
Grade level: 10, 11, 12

In the 3rd year of German, the students use and improve their knowledge of German through speaking, reading, and writing. The class explores the cultures of German-speaking countries through literature, art, history, news reports, and direct e-mail exchanges with German speaking students. Self-expression is encouraged through reports as well as class skits and projects. Journaling is done on a regular basis.

GERMAN 7-8 (4th Year)
Length of class: Year, 1 credit
Prerequisite: Recommend a "C" average in German 5-6 to take German 7-8, recommend a "C" average in German 7-8 to take German 9-10, recommend a "C" average to continue with 2nd semester.
Grade level: 11, 12

The 4th year of study offers the students the opportunity to expand their communication skills. Students will keep a journal to improve writing skills, increase vocabulary, and hone grammar usage. Individual projects are used extensively in areas of student interest.
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

This course provides a basic study in Spanish, emphasizing listening comprehension, speaking, reading, and writing. In addition to the text, audio (both spoken and music), videos, and language games are used to make the language and culture more meaningful to the student. Students will also acquire language skills through storytelling.

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

2nd year Spanish students build on the grammar and vocabulary taught in 1st year along with further studies of listening, speaking, reading and writing skills. Personal expression is encouraged through short paragraphs, skits, and oral presentations. There is an emphasis on reading and acquiring language through storytelling and the textbook.

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

Students refine their communication skills in Spanish through a more advanced study and review of grammar and vocabulary. The emphasis is on oral communication in real-life situations and storytelling. More emphasis in reading comprehension is found in literary selections from original works in Spanish, textbook and/or novels adapted for a 3rd year class.

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

Students polish their communication skills in Spanish through an emphasis on composition and reading selections. Students continue advanced study and review of grammar and vocabulary. The literature is geared towards the level of understanding and interests of the class. 5th year students will study with the 4th year class to achieve optimum interaction in the target language. 5th year students will also meet and exceed all the 4th year benchmarks.
WORLD LANGUAGES FLOW CHART

French, German, Spanish 1-2

French, German, Spanish 3-4

French, German, Spanish 5-6

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