FRUITA MONUMENT HIGH SCHOOL

COURSE DESCRIPTION GUIDE
2018-2019
WILDCATS

PRINCIPAL

Todd McClaskey

MAIN OFFICE 254-6600 **COUNSELING OFFICE 254-6600**

STUDENT PLANNING GUIDE
2018-2019

FRUITA MONUMENT HIGH SCHOOL
MESA COUNTY VALLEY SCHOOL DISTRICT 51

Fruita Monument High School
1102 Wildcat Ave
254-6600
Todd McClaskey - Principal

Counseling Center
254-6600

Board of Education
Dr. Amy Davis
Doug Levinson
Tom Parrish
Paul Pitton
John Williams

Superintendent of Schools
Ken Haptonstall

* * * * * *

Central High School
550 Warrior Way
254-6200
Lanc Sellden, Principal

Grand Junction High School
1400 North 5th Street
254-6900
Ari Goldberg, Principal

Palisade High School
3679 G Road
254-4800
Dan Bollinger, Principal

Career Center
2935 North Ave
254-6000
Camron Wyatt, Interim Principal

* * * * * *

* * * * * *

R-5 High School
310 North 7th Street
254-6880
Don Trujillo, Principal

Western Colorado Community College
2508 Blickmann Avenue
255-2600
Brigitte Sundermann, Director

Valley
2508 Blickmann Avenue
255-2708
Sara Krick, Administrator

Si usted desea una explicacion en Espanol de este articulo por favor llame a la oficina: ELPA/ESL 257-7101. Estamos para servirles.

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INTRODUCTION

This guide is prepared to help you plan your high school experience at Fruita Monument High School. It contains a brief description of all courses, along with registration procedures, graduation requirements, and other important information. As you plan your schedule, remember that you are building a complete high school program with graduation as your final goal. Plan so that minimum course requirements are met and prerequisite course requirements are fulfilled early. Planning will provide you the opportunity to take advantage of the many advanced and elective courses that will enrich your high school program. Each student is assigned a counselor for assistance with educational, personal, or social concerns. Students should keep in mind that the most important factor in a successful program is the student him/herself. If students are sincere in seeking assistance, the opportunity is always available. We hope that both students and parents will make optimum use of the available services. Talk about your high school plans with your parents, teachers, and counselors. It is critical that you take this scheduling process seriously. Take the time now to study the many classes available. It is critical that you also choose alternate classes so that if you have a first choice that is unavailable, a second choice can be referenced by your counselor.

DISCLAIMER

We will make every effort to fulfill student and parent schedule requests. However, based on a number of factors, classes may need to be added or removed from the course offerings. Administrative changes may occur due to staffing shifts, building issues, class size or a number of other factors and may include adjustments in class fees. These changes may occur after initial schedules are completed. Some courses in this catalog may not be offered. This decision will be based on enrollment needs.

FULL TIME STATUS

With a rigorous and relevant instructional program as the foundation for student achievement and success, it is critical to support our District 51 instructional program and staff with all available resources and funding. Our District 51 General Fund revenues are generated within the legislation determined by the Colorado School Finance Act. Through the finance act, CDE audits the schedule of every student within District 51 on an annual basis to determine part-time or full-time status. This CDE audit leads to our Per Pupil Operating Revenue (PPOR), a major source for our District 51 revenue from the State of Colorado.

In order for the school district to maintain adequate funding, all students must obtain “Full-Time Status”. Full-Time Status is defined as follows: enrollment in classes a minimum of 6 out of 8 classes fall semester. Due to travel time, a student enrolled in off campus programs (such as: Career Center, Western Colorado Community College, or Concurrent) must work with their counselor to ensure they have obtained “Full-Time Status”.

PERFORMANCE BASED POLICY

Mesa County Valley School District 51 believes that each student is unique and may have different learning needs. In response, the district has developed a system to support and monitor student progress along the way. The system provides a variety of options for students to learn, demonstrate what they know, and meet the graduation requirements. **Mesa County Valley School District 51 is *committed to high expectations for all students. We expect each student to complete 25 standards-based credits with a 2.0 GPA or higher and demonstrate through a body of evidence that they are career, college, or military ready.***

Individual Career and Academic Plan

(ICAP)

25 Credits	2.0 GPA	PSAT or PARCC or other knowledge and skills proficiency assessment	SAT or Alternative Knowledge & Skills proficiency assessment from CDE menu

Graduation requirements can be designed to adapt to a student's specific learning needs while setting high expectations for achievement.
Graduation pathways are listed below:

Colorado high school graduates demonstrate the knowledge and skills (competencies) needed to succeed in postsecondary settings and to advance in career pathways as lifelong learners and contributing citizens. Students must meet English and math proficiencies in their pathway. *(See the Menu of College and Career Ready Demonstrations on page 4 for specific scores.*

CAREER READY	COLLEGE READY	MILITARY READY
Workkeys	AP/IB Scores	ASVAB
Industry Certificate	Concurrent Grades	Workkeys
Capstone	Capstone	Industry Certificate
	ACT/SAT Scores	Capstone

Conventional Pathway:

This pathway is the standard pathway to graduation. The student will:

- Complete 25 required standards-based credits*

  -including 4 classes of intentional ICAP electives. **AND**
- Maintain a 2.0 GPA or higher, **AND**
- Meet the Colorado Graduation Guidelines in English and Math *(see page 4)*.

Pathway of Distinction:

This pathway provides the highly motivated student opportunities for challenging coursework and additional recognition for their hard work. The student will:

- Complete 25 required standards-based credits* **AND**
- Maintain a 3.5 GPA or higher, **AND**
- Meet the Colorado Graduation Guidelines in English and Math *(see page 4)*.
- Meet the Colorado HEAR requirements **AND**
- SAT score of 1110 or higher, or ACT score of 24 or higher

Individualized Pathway:

This pathway allows for adaptation and can be utilized for alternative program students*:*

- Students needing an individualized program of study as outlined by an individualized graduation plan.
- The student will complete 25 credits aligned with the standards or the equivalent. The 25 credits could include alternative proficiency assessment or extensions of the individualized pathway that allow the student to earn the equivalent of 25 standards-based credits. The Key Performance Program is an example of an individualized pathway.
- Students who have a GPA lower than 2.0.
  - The student will complete 25 required standards-based credits* **AND**
  - The student will participate in prescribed interventions in their targeted area(s) of deficiency **AND**
  - The student will work with appropriate staff to develop a graduation plan that supports student growth.

High School Graduation Requirements
and
Colorado College Admission Requirements

Students must meet the following District 51 course graduation requirements: *

- 4.0 Credits – English Language Arts
- 3.0 Credits - Social Studies
- 3.0 Credits - Science
- 3.0 Credits - Mathematics (credits must include Algebra I or Math 1 and higher)
- 0.5 Credits - Physical Education
- 0.5 Credits - Personal Fitness and Wellness
- 0.5 Credits - Computer / Technology Literacy (Computer Applications or approved equivalent entry-level class)
- 0.5 Credits - Fine Arts (Instrumental Music, Performing Arts, Visual Arts or Humanities)
- 10.0 Credits - General Electives

25 Credits (Total) [2]

Note: Within the 25 credits listed above, a student must meet the ***Financial Literacy*** requirement by obtaining 0.5 credits in one of the following: Personal Finance, Economics, AP Economics, Independent Living/ Life Management, Wealth Management, or AG Business Management.
Two credits need to be intentional ICAP electives.

Students planning to attend a four-year public college or university in Colorado will need to complete the following credits in order to fulfill the Higher Education Admission Requirements (HEAR):

Academic Area	Required Credits
English Language Arts	4.0 credits
Mathematics** (Must include Algebra I or Math 1 and higher)	4.0 credits**
Natural/Physical Sciences (Two units must be lab-based)	3.0 credits
Social Sciences (At least one unit of U.S.)	3.0 credits
Foreign / World Language***	1.0 credits***
Academic Electives***	2.0 credits***

ATTENTION POTENTIAL COLLEGE ATHLETES: Check with school counselor for NCAA academic eligibility requirements.

Note: Colleges and universities adjust their application standards frequently. Students are encouraged to contact representatives from their college of interest each semester.

* Additional information about specific courses meeting these D51 Graduation Requirements available in the counseling office.

** Mathematics entrance requirements for a four-year public college in Colorado listed in chart directly above.

3

*** Acceptable Academic Electives include additional courses in English Language Arts, mathematics, natural/physical sciences and social sciences, foreign / world languages, computer science, honors, AP & IB courses, and appropriate CTE courses.

COLORADO GRADUATION GUIDELINES I FACT SHEET

Menu of College and Career-Ready Demonstrations

Local school boards establish high school graduation requirements that meet or exceed the Colorado Graduation Guidelines for the graduating class of 2021.

Local school boards and districts select from this menu to create a list of options their students must use to show what they know or can do in order to graduate from high school, beginning with the graduating class of 2021. School districts may offer some or all of the state menu options, may raise a cut score on an included assessment and may add graduation requirements in other content areas. Graduation Guidelines begin with the implementation of: Individual Career and Academic Plans (ICAP), Colorado Academic Standards for all content areas, including a course in Civics, and 21st century skills.

Students must demonstrate college or career readiness in English and math based on at least one measure.

MENU OF OPTIONS: This menu lists the minimum scores required.

Districts have the authority to adapt the college and career demonstrations necessary to earn a standard high school diploma to accommodate for students with the following exceptions: English learners, gifted students and students with disabilities.

Menu of Options	English	Math
ACCUPLACER	62 on Reading Comprehension	61 on Elementary Algebra
ACT	18 on ACT English	19 on ACT Math
ACT Compass	79	63
ACT WorkKeys - National Career Readiness Certificate	Bronze or higher	Bronze or higher
Advanced Placement (AP)	2	2
ASVAB	31	31
Concurrent Enrollment	Passing grade per district and higher education policy	Passing grade per district and higher education policy
District Capstone	Individualized	Individualized
Industry Certificate	Individualized	Individualized
International Baccalaureate (IB)	4	4
SAT	430	460
Collaboratively-developed, standards-based performance assessment	State-wide scoring criteria	State-wide scoring criteria

POST SECONDARY OPTIONS

The Higher Education Admissions Requirements (HEAR), recently instated by the Colorado Commission on Higher Education (CCHE), are entry requirements for students planning to attend any of Colorado's public four-year colleges or universities. Private colleges and universities set their own admissions standards, so students should contact those institutions directly for information regarding their enrollment policies. Additionally, public two-year colleges have open enrollment policies, meaning that students applying to these schools do not need to meet the following admissions requirements.

If a student graduates from high school, and plans to attend a four-year college or university in Colorado then he or she will need to complete the following classes to fulfill the Higher Education Admissions Requirements:

Academic Area	
English	4.0 credits
Mathematics* (Must include Algebra I, Geometry, Algebra II or Math 1, 2 & 3)	4.0 credits*
Natural/Physical Sciences (Two units must be lab-based)	3.0 credits
Social Sciences (At least one unit of U.S. or world history)	3.0 credits
Foreign/World Language**	1.0 credits**
Academic Electives**	2.0 credits**

Note: Colleges and universities adjust their application standards frequently. Students are encouraged to contact representatives from their college of interest each semester with specific questions regarding admissions requirements.

* Mathematics entrance requirements for a four-year public college in Colorado listed in chart directly above.

** Acceptable Academic Electives include additional courses in English, mathematics, natural/physical sciences and social sciences, foreign languages, art, music, journalism, drama, computer science, honors, Advanced Placement, International Baccalaureate courses, and appropriate CTE courses.

*** Additional information about specific courses meeting these graduation requirements available in the Counseling Office.

Two Year Community College/Technical School

These schools offer excellent educational bargains for students interested in direct technical training for one-year certificates or two-year associate degree. Community colleges can also be a good "stepping stone" for transferring on to four-year schools. Community colleges and technical schools have an open enrollment policy that will not require many of the same elements needed for admission to four-year schools. However, strong academic ability and skill will always provide greater choices and opportunities for students, so a challenging course of study in high school is always recommended.

Military Educational Options

The military services can provide many educational and training opportunities. Check with recruiters for details. Scores on the ASVAB (Armed Services Vocational Aptitude Battery) can provide greater choice in training and educational options. A high school diploma is a minimum requirement and strong academic ability gained from a challenging course of study in high school greatly expands choices and options.

ACADEMIES –These institutions demand the same or greater requirements as selective four-year colleges and universities. Students should begin their application early in the spring of their junior year. See your counselor for details.

ROTC (Reserve Officer Training Corps) – A type of military scholarship awarded for up to four years of college study at a regular university or college followed by four or more years of military service commitment as an officer. Begin application no later than fall of your senior year. See your counselor or recruiter for details.

EARNING CREDITS IN SCHOOL DISTRICT 51

1. Credits are earned in units of .5
2. Students failing or unsuccessfully completing a required course will have to make up the failed requirement.
3. Additional credits may be earned in the following manner by making arrangements in advance through the Counseling Office:
    a. District 51 approved on-line courses
    b. District 51 Summer School
    c. Concurrent college course work for accelerated study (See Early Scholars Program)
    d. District 51 approved Home School programs

MIDDLE SCHOOL CREDIT OPTIONS

Students may receive one high school credit for each class (Math I, Math II, Foreign Language, Geo-Physical Science and/or Earth Science) taken at middle school with the following conditions:

1. A student in high school <u>cannot</u> use their middle school grade as a replacement grade.

2. Credit must be received from within a District 51 school or with a transcript from outside the district accompanied with a letter stating the criteria of the middle school course(s) taken.

Parents will utilize the "Request for High School Credit" form. The form is available from the middle school and high school Counseling Offices. This form will allow parents and students to choose from the following three options:

Option 1: The class and grade will appear on the high school transcript. The class will count for credit and the grade earned will be included in the GPA.

Option 2: The class and grade will appear on the high school transcript to show the class was taken. No credit will be given, and the grade earned will not be included in the GPA.

Option 3: The class and grade will not appear on the high school transcript. No credit will be given, and the grade will not be included in the GPA.

Deadline:

March 1st of the student's junior year (one year prior to graduation) will be the last date that a student may add or remove a middle school credit to their high school transcript.

ADVANCED PLACEMENT PROGRAM

The Advanced Placement (AP) Program is a program of credit by examination for college-level studies pursued in secondary schools. The underlying premise of the Advanced Placement Program is that college-level courses can be successfully taught to high school students by high school teachers and on high school campuses. Advanced Placement courses make it possible for academically talented students to upgrade the quality and increase the challenge of their studies. Students requesting AP classes are encouraged to take the AP Exams.
Benefits of the Advanced Placement Program are:

- Challenges and stimulates students
- Accelerates learning
- Weighted Grades (A=5.0, B=4.0, C=3.0)
- Reduces educational costs for parents and saves time and money for students
- Upgrades a student's high school and college program
- Rewards achievement
- Individualizes education

The following AP courses may be offered at FMHS or Fruita 8/9(pending sufficient enrollment):

AP U.S. History	AP Biology	AP English Language
AP Psychology	AP Physics 1 & 2	AP English Literature
AP Human Geography	AP Chemistry	AP German
AP European History	AP Environmental Science	AP Spanish
AP American Government	AP Calculus AB/BC	AP Studio Art
AP Microeconomics	AP Statistics	AP Computer Science Principles
AP Comparative Govt	AP Seminar	AP Computer Science
AP Music Theory	AP Research	AP Art History

ACTIVITY/ATHLETIC ELIGIBILITY

Students must do the following to be eligible for participation:
1. Must have taken 6 classes/3 credits the previous semester and enrolled in 6 classes/3 credits the current semester of the activity/sport.
2. Must not have failed more than .5 credits (one class) the previous semester.
3. Weekly eligibility will be maintained. Anyone failing more than one class will be ineligible for that week.
4. The student may not have turned 19 years of age prior to August 1ST of the current school year.

REGAINING ELIGIBILITY
Any student/athlete who does not meet the academic requirements at the close of a semester may regain academic eligibility in the first semester on the sixth Thursday following Labor Day, and on the Friday prior to March 10th for the second semester. When it comes to the date to determine if a student/athlete has regained, they must on that date be passing all classes in which they are enrolled.

NCAA MINIMUM COURSE & GRADE REQUIREMENTS

Colleges that belong to the National Collegiate Athletic Association (NCAA) have agreed that student/athletes will meet minimum course and grade requirements in English, math, science and social studies before they can participate. The NCAA Clearinghouse determines which courses from each high school meet their eligibility standards. NCAA reviews the approved course list every year, please check with the Athletic Office for the current list of NCAA

approved core classes, or check the NCAA website at www.eligibilitycenter.org . NCAA recommends that students apply for certification at the end of their junior year.

ACADEMIC AWARD CRITERIA

Each year District 51 high schools celebrate their students' academic excellence. Academic letters and other symbols of recognition will be presented in the fall for grades earned the previous school year. The Academic Award is based on the following criteria:

- Full time student at their home high school, including District 51 satellite programs
- Minimum grade point average for the previous year of 3.50

Awards
1st year of qualification- Academic Letter
2nd year of qualification- Academic Pin
3rd year of qualification- Gold Star
4th year of qualification- Gold Cord

COUNSELING SERVICES

SCHOOL COUNSELNG SERVICES

Students may see their assigned counselor regarding personal issues, educational decisions, registration, and general guidance activities.

Catharine Mudd	A-E
Brian Shaver	F-K
Kristen Rutkowski	L-Q
Tanya Pearce	R-Z

CAREER EXPLORATION

Counselors endeavor to provide students with up-to-date occupational and career information. There are many written briefs, reference books, and computer software programs related to occupational choices. Students should understand that the courses they select often have significant bearing on the options open to them in the future. A career interest survey is available to students through Naviance.

COLLEGE PLANNING

The Fruita Monument High School Counseling Program is structured to provide students with strategies for success both in high school and college and ongoing preparation for college admissions. Students are encouraged to choose high school courses and curriculum with their post-secondary and career goals in mind. To assist students and parents in this exploration, various materials and programs are available. These programs include Naviance(an online career and college resource), small group sessions regarding the details and processes of choosing a college, testing, and admissions requirements. Many colleges send admission representatives to visit the high school each year. Students and parents are urged to take advantage of these visitations and other informational programs provided throughout the year. Please listen to daily announcements, read the school newsletter, Parent-Vue, and Naviance notifications, and visit the Counseling Website at www.fmhs.mesa.k12.co.us for the latest information.

SCHEDULE CHANGE/CLASS ADD-DROP***

Students will have the opportunity to make adjustments to their schedules the week prior to the beginning of a new semester. **After the semester starts, counselors will take walk-in schedule changes for the first three days.**

- Students have the first six(6) days of a term in which to drop a class without it being recorded on their transcript.
- Classes dropped after the sixth(6th) day will be recorded on the transcript as either a WP (Without Prejudice) if they have a passing grade at the time of the drop, or a WF (Withdraw Fail) if the student has a failing grade at the time of the drop. The final day for a student to drop a class without the penalty of receiving a WF will be at mid-term, approximately 9 weeks into the semester. After mid-terms, all drops will be recorded as a WF, regardless of the grade that the student has in that class at the time of the drop. Remember a WF impacts a student's GPA in the same manner as an F.
- Students may add a class during the first six(6) days of a term. They are responsible for all work presented and completed prior to their enrollment in the class.

LATE ENROLLMENT POLICY***

Students are expected to be present for the entire school year. Attendance records begin on the first day of a term. Students transferring from other schools should enroll within five days after leaving their previous school. If possible, students will be placed in classes similar to those taken at their previous school. Every effort will be made to create as complete a schedule as possible.

School District 51 supports all students in their desire to attend school. Those students enrolling within the first sixteen(16) days of a term will have the opportunity to earn credit. Teachers have the discretion to determine what assignments and competencies need to be demonstrated in order to earn credit. There may be circumstances which do not allow a student to enroll prior to the sixteenth(16th) day of a term. Students are still encouraged to enroll in school and attend classes for no credit as they prepare for future terms.

*****Certain exceptions may apply. Individual circumstances will be taken into consideration, with input from teachers, counselors and parents. The final determination will be made by administration. (Case managers for Special Education and ELL students will be consulted to determine appropriate placement and credit.)**

EARLY COMPLETION

If students plan on finishing all graduation requirements prior to the end of their senior year, the student must submit a completed application prior to the completion of their final term. This form can be obtained in the Counseling Office. It is the responsibility of the early completing student to stay in contact with the school for information regarding class meetings, graduation, and other related activities. All diplomas are prepared once per year, early completers will receive their diplomas at the graduation ceremony in May.

EARLY GRADUATION

If students plan to complete all their graduation requirements during their junior year, a student must submit a completed application by the end of the first semester. This form can be obtained from the Counseling Office. All early graduation requests must be approved by administration. Students will walk with the current graduating class.

SENDING TRANSCRIPTS TO COLLEGES AND UNIVERSITIES

Transcripts must be requested by the student electronically through Naviance and will be sent electronically or mailed to the designated school(s).

Colorado Career Cluster Model

Business, Marketing, & Public Admin

***Management & Admin**
Admin Services, Business Info Tech, Corporate/General Mgt, Human Resource Mgt, Operations Mgt
***Marketing**
Marketing Communications /Mgt/Research, Merchandising, Sales
***Finance**
Accounting, Banking, Corp. Finance, Insurance, Investment
***Government & Public Admin**
Foreign Ser, Legal Services, Planning, Public Admin, Regulation, Taxation

Skilled Trades & Tech Sciences

***Architecture & Construction**
Construction, Design, Maint .& Operations
***Manufacturing**
Health & Safety, Inventory, Production, Maint. & Install, Quality Assurance
***Transportation, Distribution & Logistics**
Equip Maint., Logistics, Sales, Warehousing, Operations

Hospitality, Human Services & Education

***Hospitality & Tourism**
Lodging, Recreation, Food & Beverage Services, Travel/Tourism
***Human Resources**
Consumer Services, Counseling/Mental Health, Early Childhood Dev., Family/Community Services, Personal Care Services
***Education & Training**
Admin Support, Professional Support Services, Teaching/Training

Postsecondary & Workforce Readiness
Foundation knowledge & skills for all career pathways
*Academic Content Knowledge, Civic Responsibility, Collaboration, Communication, Creativity, Problem Solving, Personal Responsibility

Health Science, Criminal Justice, & Public Safety

***Health Science**
Biotechnology, Diagnostic Services, Health Informatics, Supportive Services, Therapeutic Services
***Law, Public Safety, Corrections & Security**
Correction Services, Emergency & Fire Services, Law Enforcement, Security and Protection

STEM, Arts, Design & Info Technology

***STEM**(Science, Tech, Egineering, Math)
Research, Exploration & Innovation, Design, Development, & Application
***Arts, A/V Tech & Communication**
A/V & Film, Journalism, Broadcasting, Performing/Visual Arts, Printing /Publishing
***Information Tech**
Info Support/Services, Interactive Media, Network Sys, Programming/Software

Agriculture, Natural Resources & Energy

***Agriculture, Food & Natural Resources**
Animal Sci, Agribusiness Sys, Food Products & Processing, Natural Resource & Environmental Sys, Plant Sci, Power, Structure & Tech Sys
***Energy**
Electromech. Generation & Maint., Electrical Energy Trans & Distrib., Energy Efficiency & Environmental Tech, Fossil Energy Extraction, Processing, Renewable Energy

COURSE OFFERINGS

Career Pathways…Connecting Your High School Classes to Careers!

Many of the courses are color-coded to reflect the career pathways that classes fit into. Keep in mind that many classes fit into multiple career pathways. We encourage all students to think about their career interests, and to choose classes that are connected to their future.

Foundation Knowledge and Skills – ……..Required Core Classes

Agricultural and Natural Resource – …….. Agriculture, energy, mining

Business and Public Administration – ……Business, management, legal, banking, insurance

Health Sciences and Public Safety – ……Medical field, law enforcement

Hospitality, Human Services and Education – …….Travel, tourism, teaching, counseling, mental health

Science, Technology, Engineering, Math, Art, Design and Informational technology – ……..Performing arts, science, computers, math, engineering

Skilled Trades and Technical Services – ……Construction, manufacturing, transportation

District 51 curriculums cannot be offered at FMHS simultaneously because of facility constraints, staff limitations and student enrollments. Consequently, some courses are offered only on a rotating, every other semester or every other year-basis. No courses may be taken twice for credit unless specifically identified (PE/Tech ED). Due care must be exercised by students when planning academic schedules.

LANGUAGE ARTS

CORE CLASS OFFERINGS (3.5 CREDITS)			
Grade 9 1.0 credit	Grade 10 1.0 credit	Grade 11 1.0 credit	Grade 12 .5 credit
Comp/Lit 9 A & B OR Honors Comp/Lit 9 A & B	Comp/Lit 10 A & B OR Honors Comp/Lit 10 A & B OR A Record of the Human Experience	Composition 11 A & B OR AP English Language A & B	Select one of the following: Modern Lit/Comp British Lit/Comp I AP English Lit A & B CMU Eng Comp 111 CMU Eng Comp 112

ELECTIVE CLASSES (.5 credits)	
Beginning Acting & Adv Acting Creative Writing & Adv Creative Writing Humanities I Journalism Mythology I & II Adv. Journalism: Newspaper AP Art History AP Seminar AP Research	Play Production/Adv Play Production Theatre Arts Adv. Journalism: Yearbook Science Fiction The Science of Science Fiction Forensics I & II OR Another class from grade 12 list above as elective

4 TOTAL ENGLISH CREDITS- 3.5 CORE-.5 ELECTIVE

CORE AND ELECTIVE OFFERINGS

Students who are college bound please take note: Not all of the courses offered in the core curriculum satisfy the requirements of colleges/universities. The following courses are accepted by all colleges/universities and are highly recommended choices for college-bound students:

Modern Lit/Comp
British Lit/Comp
AP English Language
AP English Literature

LANGUAGE ART FEES

All students will be required to pay the following fees. These fees are for the 2018-2019 school year and are subject to change based on Board approval.

CLASS	FEE
Play Production/Adv Play Production	$5.00 per class

LANGUAGE ARTS

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

COMPOSITION/LITERATURE 9 A 31007
COMPOSITION/LITERATURE 9 B 31008
Prerequisite: None
Available online through the Student Learning Center
Two Semesters – ½ Credit Each
8/9 Building only, available online at FMHS

This two-term course serves as an introduction to high school language arts instruction. In ninth grade, the learning of reading, writing, thinking, speaking, listening and researching focuses on the concept of **perspectives and pursuits.** Within this overarching theme, students will explore a variety of texts and genres through close reading and will write narrative, argumentative and informative texts. Students will compare and contrast texts and media that connect cultural and world views while focusing on complex characters and parallel plots, manipulated time, and flashbacks. They will make connections between their own lives and the lives of those they read. They will continue to develop their understanding of rhetoric through their reading, writing, and dialoging. Students will develop speaking skills through effective preparation techniques and develop critical listening skills. Students will continue to research authentic questions so they can orally articulate a claim supported by evidence while differentiating between primary and secondary document sources. They will continue to develop and monitor their own reading, writing, and thinking processes as they read self-chosen texts, write about self-chosen topics, and think about their thinking.

COMPOSITION/LITERATURE 10 A 31065
COMPOSITION/LITERATURE 10 B 31066
Prerequisite: Successful Completion of Level 9 Core Requirement
Grade 10
Two Semesters – ½ Credit Each

This is a two-term course with a thematic approach to literature and writing for students who have successfully completed core 9 requirements. In tenth grade, the learning of

reading, writing, thinking, speaking, listening and researching focuses on the concept of **American Dream**. Within this overarching theme, students will explore a variety of texts and genres through close reading and will write narrative, argumentative and informative texts. Students will compare and contrast texts and media that connect traditional, classical and contemporary themes while focusing on comparing the impact of artistic mediums, thematic or historical contexts. They will make connections between their own lives and the lives of those they read. They will continue to develop their understanding of rhetoric through their reading, writing, and dialoging. Students will develop speaking skills through continued rehearsal techniques and will perform a formal speech. Students will continue to research authentic questions so they can orally articulate a claim supported by evidence while differentiating between primary and secondary document sources. They will continue to develop and monitor their own reading, writing, and thinking processes as they read self-chosen texts, write about self-chosen topics, and think about their thinking.

A RECORD OF HUMAN EXPERIENCE A 31081 (TA)
Prerequisite: Teacher approval
A RECORD OF HUMAN EXPERIENCE B 31082
Prerequisite: Successful completion of part A
Grade 10
Two semesters – Students have the opportunity to earn up to ½ Credit Comp/Lit 10 & ½ Credit US History per semester

This is cross curricular course with a thematic approach to literature and US History for students who have successfully completed core 9 requirements. Utilizing themes in US History from the Industrial Revolution to present, students will explore a variety of texts and genres through close reading and will write narrative, argumentative and informative texts. Students will compare and contrast texts and media that connect traditional, classical and contemporary themes historical contexts, as well as analyze historical information, including contradictory data to support or reject hypotheses and/or create an historical argument. They will make connections between their own lives and the lives of those they read, and differentiate between facts and historical interpretations by recognizing that a historian's narrative reflects his or her judgment about the significance of particular facts. *This is a blended learning, project based class. Students will receive credit for both ELA 10 and US History.

HONORS COMP/LIT 10 A 31111
Prerequisites: Successful completion of Honors Composition/Literature 9 or Teacher Approval
HONORS COMP/LIT 10 B 31112
Prerequisite: Honors Comp/Lit 10 A
Grade 10
Two Semesters – ½ Credit Each

This course is designed for the student willing to exert effort to master literature, writing, and discussion. It provides an excellent foundation for those who plan to take the Advanced Placement (AP) exams. The expectations for students taking this class exceed those for students in standard 10th grade classes. The literature covered is difficult, abstract and comprehensive in nature. The writing expected in this class is extensive and includes a research paper.

11TH GRADE

COMPOSITION/LITERATURE 11 A 31161
COMPOSITION/LITERATURE 11 B 31162
Prerequisites: Successful completion of Level 9-10 core requirements
Two Semesters – ½ Credit Each

In eleventh grade, the learning of reading, writing, thinking, speaking, listening and researching focuses on the concept of **Freedom and Responsibilty**. Within this overarching theme, students will explore a variety of historical texts and genres through close reading and will write narrative, argumentative and informative texts. Students will compare and contrast two or more complex characters with different motivations while focusing on comparing the historical contexts. They will make connections between their own lives and the lives of those they read. They will continue to develop their understanding of rhetoric through their reading, writing, and dialoging. Students will research, write, and explore their interests in their chosen career path to meet ICAP requirements. They will develop speaking skills through continued rehearsal techniques and will deliver at least one multimedia presentation. Students will continue to research authentic questions so they can orally articulate a claim supported by evidence while differentiating between primary and secondary document sources. They will continue to develop and monitor their own reading, writing, and thinking processes as they read self-chosen texts, write about self-chosen topics, write on demand, and think about their thinking.

FACILITATED COMPOSITION/LITERATURE 11 A 31165 (TA)
Prerequisite: Teacher approval
FACILITATED COMPOSITION/LITERATURE 11 B 31166
Prerequisite: Successful completion of part A
Two Semesters – ½ Credit Each

In eleventh grade, the learning of reading, writing, thinking, speaking, listening and researching focuses on the concept of **Freedom and Responsibility**. Within this overarching theme, students will explore a variety of historical texts and genres through close reading and will write narrative, argumentative and informative texts. Students will compare and contrast two or more complex characters with different motivations while focusing on comparing the historical contexts. They will make connections between their own lives and the lives of those they read. They will continue to develop their understanding of rhetoric through their reading, writing, and dialoging. Students will research, write, and explore their interests in their chosen career path to meet ICAP requirements. They will develop speaking skills through continued rehearsal techniques and will deliver at least one multimedia presentation. Students will continue to research authentic questions so they can orally articulate a claim supported by evidence while differentiating between primary and secondary document sources. They will continue to develop and monitor their own reading, writing, and thinking processes as they read self-chosen texts, write about self-chosen topics, write on demand, and think about their thinking.

ADVANCED PLACEMENT ENGLISH LANGUAGE A 31191
Prerequisites: Successful completion of Honors 9 and 10 core requirements and/or with counselor/teacher approval
ADVANCED PLACEMENT ENGLISH LANGUAGE B 31192
Prerequisite: AP English Language A
Two Semesters – ½ Credit Each
This course extends from Honors 10 curriculum for the student who is extremely skilled in writing and reading. This course is designed to prepare the student for the Advanced Placement Examination in English Language and Composition. The student reads major works of fiction

and non-fiction, focusing in structural analysis of the non-fiction, speeches, and essays. The student also writes valid and articulate analysis of these works, gaining the ability to recognize and analyze writing structures, organization and rhetoric. Where available, students will be encouraged to use computer technology to facilitate editing and publishing.

12th GRADE

(May be taken as a junior once 11th grade English requirement has been met. Second choice suggested as an elective.)

SELECT ONE OF THE FOLLOWING:

BRITISH LITERATURE AND COMPOSITION 31220
Prerequisites: Successful completion on Levels 9, 10 and 11 core requirements
Grade 12
One Semester – ½ Credit

Students expand their literary background through a chronological survey of the literature of Britain. Students read and discuss notable and universally appealing literature, including works by Chaucer and Shakespeare to Austin, Keats, Hardy and Wolff. The course emphasizes challenging levels of communication demonstrated by aggressive discussion, research, critical thinking and comprehensive reading and writing skills.

MODERN/CONTEMPORARY LITERATURE/COMP 31270
Prerequisites: Successful completion of Levels 9, 10, 11 core requirements
Grade 12
One Semester – ½ Credit

In this survey course, students will read and analyze the ideas of major early 20th and 21st century authors. Students respond to a variety of literary selections by writing about and discussing that literature. Activities and study center on the appreciation and understanding of author technique and recurrent themes. This course emphasizes challenging levels of communication demonstrated by discussion, research, critical thinking and comprehensive reading and writing skills.

ADVANCED PLACEMENT ENGLISH LIT A 31301
Prerequisites: Core courses. Advanced Placement English Language or teacher approval
ADVANCED PLACEMENT ENGLISH LIT B 31302
Prerequisite: AP English Lit A
Two Semesters – ½ Credit Each

This challenging course for the above average reader and writer is designed to prepare students for the national Advanced Placement Examination in English Literature. Instructional focus is close reading in multiple literary genres including poetry, dramas, fiction, and nonfiction. Students learn to evaluate literary merit in its various forms and write critically to support those evaluations, thereby gaining new insight to and appreciation for literature. Students are encouraged to make use of available technology to facilitate editing and drafting processes.

CMU ENGLISH 111 39810
Prerequisites: Successful completion of Levels 9, 10, 11 core requirements, GPA 3.0, and score of 18 on English and 17 on Reading portions of ACT or a 470 Verbal on the SAT
One Semester – ½ Credit HS/3 College Credits

Introduction to writing as a process with an emphasis on achieving rhetorical purpose. The student will receive high school (0.5) and college credit (3) if completing the course with a C or better. **See page 71 for additional information regarding books, tuition, and fees.**

CMU ENGLISH 112 39812
Prerequisite: Successful completion of English 111
One Semester – ½ Credit HS/3 College Credits

The practice of academic writing that extends one's own thinking in response to the ideas of others. The student will receive high school (0.5) and college (3) credit if completing the course with a C or better. **See page 71 for additional information regarding books, tuition, and fees**.

<u>ELECTIVE COURSES</u> (**one choice required**)

MYTHOLOGY I 31425
Prerequisites: Successful completion of Level 9 core requirement
Grades 10-12
One Semester – ½ Credit

In this one semester class, students study the myths, legends, and folklore of many cultures with an emphasis on Greek and Roman mythology. Students read a variety of literary forms such as short stories, plays, poetry, and novels. Students then discuss and write about the literature, gaining greater insight by comparing modern interpretations to ancient mythological stories.

MYTHOLOGY II 31430
Prerequisites: Successful completion of Level 9 core requirement
Grades 10-12
One Semester – ½ Credit

In this one semester class, students study the myths, legends, folklore, and adventures of many **<u>world</u>** cultures and mythologies. Students read a variety of literary forms such as short stories, plays, poetry, and novels. Students then discuss and write about the literature, gaining greater insight by comparing modern interpretations to mythological stories.

SCIENCE FICTION 31500
Prerequisites: Successful completion of Level 9 core requirement
Grades 10-12
One Semester – ½ Credit

This course presents the roots and development of science fiction through short stories, novels, and films. Students explore major themes in the field to gain a greater understanding of the genre and how science fiction uses imaginary beings or events to comment on society. Class discussions, student writing, and projects focus on major science fiction authors' works. Opportunities to write and experiment with original science fiction selections are encouraged.

THE SCIENCE OF SCIENCE FICTION 39410
Prerequisites: Teacher Approval
Grades 10-12
One Semester – Students have the opportunity to earn up to ½ Credit English Elective & ½ Credit Science Elective
This course curricular course will explore many concepts in Science through the lens of Science Fiction Writing. Students will be exposed to Fictional short stories, novels, and films, and use those stories to better understand science, the scientific method and scientific theory. Students explore major themes in the field to gain a greater understanding of the genre and how science fiction uses imaginary beings or events to comment on society. Class discussions, student writing, and projects focus on major science fiction authors' works. Opportunities to write and experiment with original science fiction selections are encouraged.

HUMANITIES I 31550
Prerequisites: Successful completion of Level 9 and 10 core requirement;
Grades 11-12
One Semester – ½ Credit

Through a historical lens students will study the fine arts such as architecture, dance, and other art forms to gain an understanding of historical and sociological significance of the human experience. Students engage in class and group discussions, write papers, and create projects in order to examine the relationships between the arts.

CREATIVE WRITING 31620
Prerequisites: Teacher recommendation and strong writing ability
Grades 10-12
One Semester – ½ Credit

This is a class for the student who seeks to develop a strong foundation in writing. This course provides instruction in and exploration of the following areas: developing characters, writing natural dialogue, creating realistic plots, and writing a poem, short story, or short play in a format suitable for publication.

ADVANCED CREATIVE WRITING (TA) 31650
Prerequisites: Successful completion of Level 9 and 10 core requirements, strong writing ability
Grades 11-12
One Semester – ½ Credit

This class is for the advanced, disciplined writer who wants to improve his or her skills and explore new genres in poetry, fiction, and non-fiction. Students will create individual portfolios reflecting mastery of his/her writing goals. Each student will contract with the teacher to write an agreed number of pieces per term. Production of a literary magazine could live naturally in this course.

JOURNALISM 31700
Prerequisites: None
Grades 10-12
One Semester – ½ Credit

This journalism course focuses on current events as they relate to popular culture, particularly the mass media. The course will cover media law and ethics, determining news, gathering

news, and writing basic news stories. This course is highly recommended for students who wish to participate in Newspaper and/or Yearbook.

ADVANCED JOURNALISM:
YEARBOOK A 31770 (TA)
YEARBOOK B 31780 (TA)
Students may repeat this class upon teacher approval
Prerequisites: Sponsor approval and application required. Keyboarding skills highly recommended. Minimum GPA: 2.5
Grades 10-12
Two Semesters – ½ Credit Each

This year-long course focuses on the marketing and production of the school yearbook. The student learns practical applications of writing, editing, photography, layout design, advertising and business management. The students work cooperatively as a staff to complete a professional publication. Students must occasionally work evenings to meet deadlines and must arrange their own transportation. Students may take one or two terms. An application for this class must be submitted to the yearbook advisor. A committee comprised of the advisor and students make selections for the yearbook staff. **This class does not meet the NCAA English requirement.**

ADVANCED JOURNALISM:
NEWSPAPER A 31800 (TA)
NEWSPAPER B 31810 (TA)
Students may repeat this class upon teacher approval.
Prerequisites: Journalism highly recommended; sponsor approval and application required. Keyboarding skills required. Minimum GPA: 2.5
Grades 10-12
Two Semesters – ½ Credit Each

Students in this course are primarily responsible for student publications such as the school newspaper or magazine, sports programs, literary magazines, and/or other desktop publications authorized by the sponsor. Working as a staff, the students learn business management, desktop publishing, layout and design, photography, the publishing process, and the writing and editing of news stories. Students must occasionally work evenings to meet deadlines and must arrange their own transportation**.** An application for this class must be submitted to the newspaper advisor. **This class does not meet the NCAA English requirement.**

BEGINNING ACTING 31900
Prerequisites: None
Grades 10-12
One Semester – ½ Credit

This course explores the fundamentals of analysis, rehearsal, and performance of dramatic roles through literature and activities. Students work individually and in groups, exploring styles and methods of acting and analyzing characters through the study of plays and improvisational activities as well as practicing and performing dramatic presentations. **This class does not meet the NCAA English requirement.**

ADVANCED ACTING 31910 (TA)
Prerequisite: Successful Completion of Beginning Acting
Grades 11-12
One Semester – ½ Credit

This course builds upon the foundations set down in Beginning Acting. This course provides many opportunities for actors to hone their acting skills. Advanced Acting students will be expected to perform longer scenes in workshop session, and will be required to complete a research project pertaining to acting theory (e.g. “The Method”). Advanced Acting students will be called upon to demonstrate techniques for the newer students, and they will be asked to assist newer students in rehearsal. **This class does meet the NCAA English requirement.**

BEGINNING PLAY PRODUCTION 31920
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

In this "hands-on" course students are introduced to the many aspects of theatrical production by designing and building the sets for the drama club plays. Activities also include reading and writing scripts, designing and producing settings and costumes, and analyzing characters. Students explore the interrelationships of script, performance and staging with an emphasis on the organization and teamwork needed to produce successful, quality productions. This course can qualify as an English elective credit, as a general elective credit, or fine art credit. **This class does not meet the NCAA English requirement.**

ADVANCED PLAY PRODUCTION 31921 (TA)
Prerequisite: Beginning Play Production
Grades 10-12
One Semester – ½ Credit

Advanced Play Production is intended for the student who has successfully completed Beginning Play Production and wishes to continue to explore and improve the skills he or she has learned in Beginning Play Production. The student will be expected to work at a higher level of competency than the beginning student and will be assigned a section of the set and a group of students to direct to complete the set. This course can qualify as an English elective credit, as a general elective credit, or fine art credit. **This class does meet the NCAA English requirement.**

THEATRE ARTS 31870
Prerequisite: None
Grades 10-12
One Term – ½ Credit

Theater Arts is a one semester elective that familiarizes students with the conventions of theatrical productions and gives a brief overview of the history of theatre. Greek, Roman, Elizabethan, Georgian, Victorian, and Modern Drama are discussed, as well as Kabuki Theatre. Assignments will include notes, participation in class discussions, short reading and writing assignments, and some research on particular style of theatre of the student’s choice. A good elective for students who are wanting to know more about the history of Theatre and its cultural and literary significance. **This class does meet the NCAA English requirement.**

FORENSICS I 31370
Prerequisite: None
Grades 10-12
One Term – ½ Credit

This course introduces general knowledge of debate, oratory, extemporaneous speaking, interpretation of literature, and duet acting. Students will be expected to participate in individual and group presentations.

FORENSICS II 31380
Prerequisite: Forensics I
Grades 10-12
One Term – ½ Credit

The primary focus of this class is further development of skills acquired in Forensics I with the additional emphasis placed on mock trials, extemporaneous speaking, and creative storytelling.

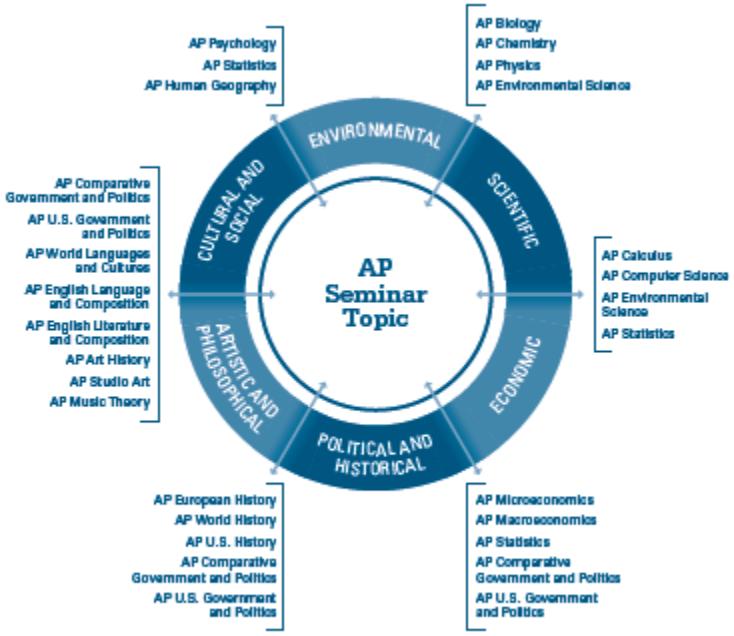
ADVANCED PLACEMENT ART HISTORY A 31581
Prerequisite: none
ADVANCED PLACEMENT ART HISTORY B 31582
Prerequisite: Successful completion of AP Art History A
Grades 11-12
Two Semesters – ½ Credit Each

Does Humanities, History or Art interest you? Try AP Art History!
Explore art through the ages! AP Art History is a rigorous but fun course that looks at art from Global Pre-history to Global Contemporary. Explore major forms of artistic expression including architecture, sculpture, painting and other media from across a variety of cultures. Learn about the purpose and function of art as you develop your ability to articulate visual and art historical concepts in verbal and written form. Explore works of art in person and virtually, through observation, discussion, reading, and research. Learn to critically analyze works of art within diverse historical and cultural contexts, considering issues such as politics, religion, patronage, gender, and ethnicity. **AP Art History is designed to be the equivalent of a two-semester introductory college or university art history survey course. May be used as an English elective credit or Fine Arts credit.**

AP SEMINAR 31205
Prerequisite: Successful completion of 1 or more AP classes prior to junior year
Grade 11
Two Terms – 1 Credit (First semester is an English Elective and second semester elective determined by the student and teacher depending upon the seminar topics chosen by each student)

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students read and analyze articles, research studies and foundational literary and philosophical texts, speeches, broadcasts and artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a collaborative team. Students will choose a specific content for their learning; this may be an extension of another AP course or a topic/issue that the student feels passionate about. This course will equip students with 21st

century skills and enable them with the power to analyze and evaluate information with accuracy and precision in order to craft evidence-based arguments.



AP RESEARCH
Prerequisite: Successful completion of AP Seminar
Grade 12
Two Terms – 1 credit

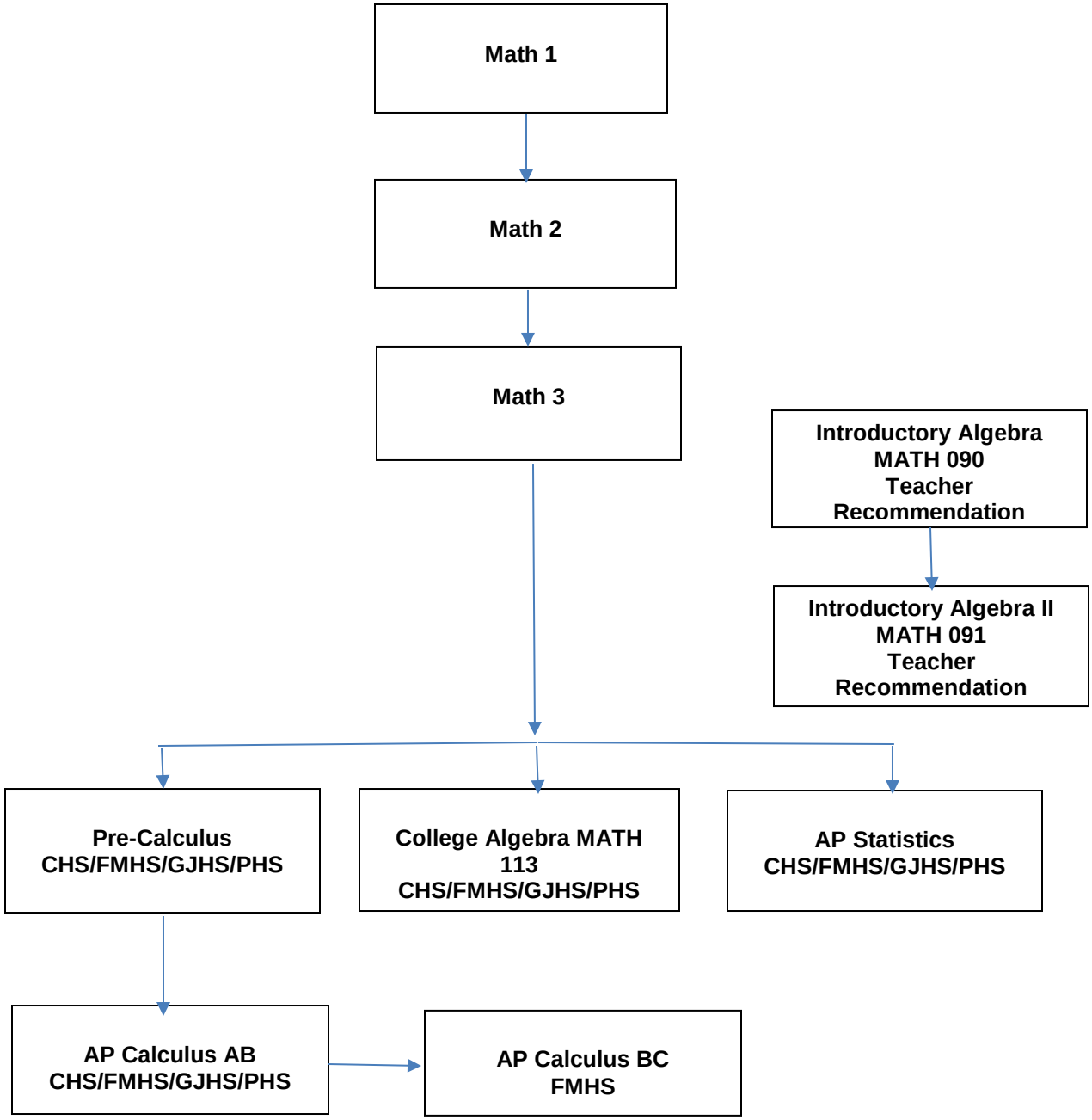
AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question.

In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and presentation with an oral defense.

MATH PROGRESSION CHART

Find the class(es) you are currently taking in one of the rows below. The class(es) you should take next year are directly below that class. **You must have a teacher's signature denoting their approval of your selection.** Also, in order to advance to the next class you need to have passed your current class with a C or better. If you did not, please visit with your counselor about your options.

High School Course Offerings



MATHEMATICS

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

MATH 2 A 32321
Prerequisite: C or better Math 1B
MATH 2 B 32322
Prerequisite: C or better Math 2A
Grades 10-12
2 Semesters – ½ Credit Each

Math 2 is a standards-based course utilizing a collaborative learning environment extending concepts introduced in Math 1 to quadratic functions and analysis of functions in terms of transformations. Algebra, Geometry and Statistic topics include multi-variable and power functions, logarithms; similarity and trigonometry; regression, correlation, conditional probability and matrices.
A TI-84 plus graphing calculator is required for this class.

MATH 3 A 32331
Prerequisite: C or better Math 1 and Math 2
MATH 3 B 32332
Prerequisite: C or better in Math 3A
Grades 10-12
2 Semesters – ½ Credit Each

Math 3 is a standards-based course utilizing a collaborative learning environment extending concepts introduced in Math 1 and Math 2 to see polynomials as a system that has mathematical coherence. Algebra, Geometry and Statistics topics include polynomial, rational, circular and logarithmic functions; geometric modeling, reasoning, construction, and proof; normal distributions and standardized scores, making inferences, justifying conclusions, and evaluating random processes.
A TI-84 plus graphing calculator is required for this class.

PRE-CALCULUS A 32161
Prerequisite: C or better Math 1, Math 2, and Math 3
Math Lab is strongly recommended, but not required
PRE-CALCULUS B 32162
Prerequisite: C or better Pre-Calculus A
Grades 10-12
2 Semesters – ½ Credit Each

This is a rigorous course designed to prepare students for Calculus. It reviews and extends the major concepts of Algebra, Geometry, and Analytic Geometry while significantly involving the student in a study of Trigonometry. Topics include circular functions, trigonometric functions, logarithmic functions, vectors and 3D-space, linear algebra, conic sections, complex numbers, series, mathematical induction, limits and derivatives.
A TI-84 plus graphing calculator is required for this class.

AP STATISTICS A 32147
Prerequisite: C or better in Math 1, Math 2, and Math 3
AP STATISTICS B 32148
Prerequisite: C or better in AP Statistics A
Grades 10-12
2 Semesters – ½ Credit Each

This course is for advanced math students and is taught as a non-calculus based college class and culminates in the AP Statistics Examination. The purpose of the AP 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: Describing patterns and departures from patterns: Sampling and Experimentation: Planning and conducting a study; Anticipating Patterns: Exploring random phenomena using probability and simulation; Statistical Inference: Estimating population parameters and testing hypotheses. Students who successfully complete the course and exam may receive credit, advanced placement or both for a one semester introductory college statistics course. Grades may be weighted in this course for the purpose of determining GPA.
A TI-84+ Silver Edition graphing calculator is required for this class.

AP CALCULUS AB A 32181 (TA)
Prerequisite: C or better in Pre-Calculus teacher recommendation
AP CALCULUS AB B 32182
Prerequisite: C or better AP Calculus AB A
Grade 10-12
Two Semesters – ½ Credit Each

This course is for advanced math students and is taught as a college class. This course is offered as a strand class and will meet all year. This course consists of an in-depth study of elementary functions and selected topics from differential and integral calculus, including a study of limits, continuity, derivatives, applications of the derivative, and techniques of integration and applications of the integral. This course culminates in the Advanced Placement Calculus AB Examination. Successful completion of the course and the exam may earn the student 5-10 semester hours of credit at an accepting college or university. Grades may be weighted in this course for the purpose of determining GPA.
A TI-84+ Silver Edition graphing calculator is required for this class.

AP CALCULUS BC A 32184 (TA)
Prerequisite: C or better in AP Calculus AB
AP CALCULUS BC B 32185
Prerequisite: C or better AP Calculus A
Grade 10-12
Two Semesters – ½ Credit Each

This course is a review of concepts from Calculus AB plus numerical approximation techniques of integration up to and including integration by parts, applications of the integral and polynomial approximations of functions by series. This course culminates in the Advanced Placement Calculus BC Examination. Successful completion of the course and the exam may earn the student 5-10 semester hours of credit at an accepting college or university. Grades may be weighted in this course for the purpose of determining GPA.
A TI-84+ Silver Edition graphing calculator is required for this class.

CMU COLLEGE ALGEBRA 113 39830
Prerequisite: Successful completion of Math 3 or Algebra II core requirements, GPA 3.0, and score of 19 on Math and Science portions of the ACT
One Semester – ½ Credit HS/4 Credits College

A College level treatment of algebra. Topics include algebraic properties of the integers, rationals, real and complex numbers; techniques for manipulation of expressions; techniques for solving linear, non-linear, absolute value equations, and inequalities; techniques for solving systems of equations; the Cartesian plane, relations and functions; properties and graphs of polynomial, rational, exponential, logarithmic and inverse functions; conic sections. This course will count for both high school credit (0.5) and college credit (4). **See page 71 for additional information regarding books, tuition, and fees.**

MATH LAB for Advanced Math Courses 32380/32381
Available for students who desire additional assistance with their higher level math.
Grades 10-12
2 Semesters – ½ Elective Credit Each
The Math Lab is a teacher recommended intervention connected to the Math 3, Pre-Calculus or AP courses. The course is designed to provide extra support for students in these courses. Math faculty assist students by helping them keep up in the current course. No additional outside work is assigned in these classes. **This class does meet the NCAA math requirement.**

CMU MATH 090 INTRODUCTORY ALGEBRA 39824
Prerequisite: ACT score below 19 on the Math portion of the ACT, or an ACCUPLACER score EA from 45 to 60.
Grade 12
One Semester – ½ Credit

Topics include an introduction to algebra with a review of basic arithmetic. The syllabus includes decimals, fractions, percentages, ratios, proportion, signed numbers, algebraic expressions, factoring, exponents and radicals, linear equations, functions and graphs.

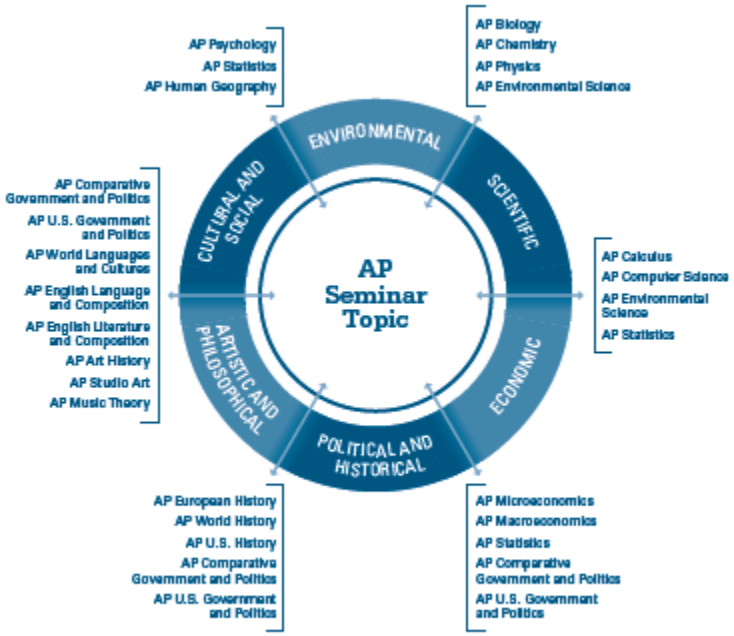
CMU MATH 091 INTROUCTORY ALGEGRA II 39825
Prerequisite: Math 090
Grade 12
One Semester – ½ Credit

Further study in topics of algebra. Includes properties of real and complex numbers; laws of exponents and radicals; factoring polynomials; solving linear and quadratic equations and inequalities; rational expressions and complex fractions; introduction to functions and relations; applications.

AP SEMINAR 31205
Prerequisite: Successful completion of 1 or more AP classes prior to junior year
Grade 11
Two Terms – 1 Credit (First semester is an English Elective and second semester elective determined by the student and teacher depending upon the seminar topics chosen by each student)

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing

divergent perspectives. Using an inquiry framework, students read and analyze articles, research studies and foundational literary and philosophical texts, speeches, broadcasts and artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a collaborative team. Students will choose a specific content for their learning; this may be an extension of another AP course or a topic/issue that the student feels passionate about. This course will equip students with 21st century skills and enable them with the power to analyze and evaluate information with accuracy and precision in order to craft evidence-based arguments.



AP RESEARCH
Prerequisite: Successful completion of AP Seminar
Grade 12
Two Terms – 1 credit

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question.

In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and presentation with an oral defense.

BUSINESS MATH

PERSONAL FINANCE 35740
Prerequisite: Computer Applications
Fulfills Financial Literacy Requirement
Grades 11-12
One Semester – ½ Credit

This course emphasizes life-long decision-making skills in personal financial management. Topics will include budgeting, checking and savings accounts, understanding credit, income taxes, insurance and housing choices, and making financial decisions. Internet opportunities will be provided for students to explore additional useful financial information. **This course may be taken for .5 elective math credit. This course does not meet the NCAA math requirement.**

BUSINESS MATHEMATICS 35715
Prerequisite: Computer Applications
Grades 11-12
One Semester – ½ Credit

This course is designed to assist students in learning to use math effectively as a tool in their lives as workers and consumers. Methods that students can use to approach problem solving in a logical manner are emphasized. Realistic business situations, including personnel, purchasing, marketing, accounting records, and corporate planning will be addressed. Spreadsheet applications relating to course topics will provide real-world computer experience. **This course may be taken for .5 elective math credit. This course does not meet the NCAA math requirement.**

ACCOUNTING 1- A 35801
Prerequisite for 1-A: TA @ 10th grade
ACCOUNTING 1-B 35802
Prerequisite for 1-B: Accounting 1-A
Grades 10-12
Two Semesters – ½ Credit each

This course builds a basic understanding of manual and automated accounting principles and procedures. Students learn to analyze and record business transactions and prepare financial statements for businesses organized as proprietorships, partnerships and corporations. **These courses may be taken for .5 credit each of elective math. These courses do not meet the NCAA Math requirement.**

See WCCC course descriptions for Technical Math

SCIENCE

Students must complete at least three credits of Science to graduate.

PATHWAY 1 – TRADITIONAL

9th	10th	11th	12th
Environmental Sci A	Biology A	Science Elective	Science Elective
Environmental Sci B	Biology B	Anat. & Physiology	Anat. & Physiology

PATHWAY 2 – COLLEGE TRACK

9th	10th	11th	12th
Biology A	Chemistry A	Astronomy	Science Elective
Biology B	Chemistry B	Geology	
Ag Biology A, B	AP Biology A, B	Physics 1& 2	

PATHWAY 3 – ACCELERATED TRACK

9th	10th	11th	12th
Biology A	Chemistry A	AP Physics 1 A&B	AP Physics 1 A&B
Biology B	Chemistry B	AP Physics 2 A&B	AP Physics 2 A&B
AP Environmental A&B	AP Biology A&B	AP Chemistry A&B	AP Chemistry A&B
		AP Seminar	AP Research

PATHWAY 4 – NATURAL RESOURCE PATHWAY

9th	10th	11th	12th
Environmental Sci A	Biology A	Geology-Physical	AP Environmental Sci.
Environmental Sci B	Biology B	Geology-Historical	Ag Sciences

SCIENCE DEPARTMENT FEES

All students will be required to pay the following fees. These fees are for the 2016-2017 school year and are subject to change based on Board approval in May 2016.

CLASS	FEE
Anatomy, Chemistry, Environmental, Physics, Zoology	$15.00 Each class
AP - Bio, Chemistry, Physics, Environmental	$15.00 – Each Class
Biology and Ag Biology	$15.00 – Each Class
All Ag Science	$25.00 – Each Class
Food Science I & II	$25.00 – Each Class

SCIENCE COURSES

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

EARTH/PHYSICAL SCIENCE (SC)

ENVIRONMENTAL SCIENCE A & B 33190
Prerequisite: None
Grades 10-12
Two Semesters - ½ Credit each

Environmental science is an interdisciplinary, laboratory-based course with the foundation in earth science and thematic connections between multiple disciplines, including life science, physical science, mathematics, and language arts. The course is designed for students to investigate a variety of scientific concepts as they manifest in our environment and connect them with issues of local and/or global significance. Students will engage in science practices such as questioning, designing experiments to gather evidence, solving problems, developing models, and communicating scientific phenomena.

ADVANCED PLACEMENT ENVIORNMENTAL SCIENCE A 33196
Prerequisite: Students must be enrolled in Math 2 or higher
ADVANCED PLACEMENT ENVIORNMENTAL SCIENCE B 33197
Prerequisite: AP Environmental Science A
Grades 10-12
Two Semesters – ½ Credit Each

AP Environmental Science is a college-level, introductory environmental science course which follows the course description and the objectives set forth by the College Board. This course will provide students with an understanding of how the natural world works, the interrelationships living things have with each other and with their environment, and how to identify environmental problems, natural and human-made. This course will also discuss legislation, both national and international, which is designed to protect the environment. Grades will be weighted in this course for the purpose of determining GPA.

GEOLOGY – Physical 33220
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

Geology – Physical is the study of earth, its landforms, what it is composed of, the processes that shape it and its history. The class will emphasize our regional geology, geologic resources, and hazards. Students will assess habitats, populations and their impacts on local food, water, energy and mineral resources. The economic impacts of local industry and man's effect on the environment will be integrated into the course. Students will get a chance to learn the processes of outdoor research and doing wildlife habitat, soil and water quality evaluations.

GEOLOGY – Historical 33230
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

Geology-Historical is the study of the history of the physical earth and the evolution of its life forms through geologic time-development of earth's major features by the process of plate tectonics. Lab required.

ASTRONOMY A 33411
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

This course deals with a study of the heavens and their effects on our culture and lifestyles. Special topics include the study of galaxies, constellations, lives of stars, celestial navigation and the results of recent space exploration.

ASTRONOMY B 33412
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

This course investigates the origin and fate of our universe, the Milky Way Galaxy and other galaxies in the universe, the origin of our solar system, the properties of the planets in our solar system, the suitability of those planets for life and what life may be like in other places in our Milky Way Galaxy.

THE SCIENCE OF SCIENCE FICTION 39410 (TA)
Prerequisites: Teacher Approval
Grades 10-12
One Semester – Students have the opportunity to earn up to ½ Credit English Elective & ½ Credit Science Elective
This course curricular course will explore many concepts in Science through the lens of Science Fiction Writing. Students will be exposed to Fictional short stories, novels, and films, and use those stories to better understand science, the scientific method and scientific theory. Students explore major themes in the field to gain a greater understanding of the genre and how science fiction uses imaginary beings or events to comment on society. Class discussions, student writing, and projects focus on major science fiction authors' works. Opportunities to write and experiment with original science fiction selections are encouraged.

CHEMISTRY A 33321
Prerequisite: C or higher in Math 3 or concurrent enrollment in Math 3
CHEMISTRY B 33322
Prerequisite: C or higher in Chemistry A
Grades 10-12
Two Semesters – ½ Credit Each

Chemistry deals with the structure of matter. Emphasis is in chemical bonding, atomic structure, chemical equations, computations, and fundamental laws and theories. Laboratory experience will be used in the application of these topics. Chemistry fulfills the science standard #2 on a college prep and accelerated track. It is highly recommended that college bound

students enroll in chemistry.

ADVANCED PLACEMENT CHEMISTRY A 33331
Prerequisite: At least a B in Chemistry/Math 3 and Teacher approval
ADVANCED PLACEMENT CHEMISTRY B 33332
Prerequisite: AP Chemistry A
Grade 11-12
Two Semesters – ½ Credit Each

AP Chemistry is a college level course examining the process of chemistry; including the how and whys of chemical reactions and their interaction with the environment. This course is intended for college-bound students intending to major in math-science related fields. College credit may be obtained upon successful completion of the College Board Chemistry. Grades are weighted in this course for the purpose of determining GPA.

PHYSICS A 33401
Prerequisite: None
PHYSICS B 33402
Prerequisite: Physics A
Grades 11-12
Two Semesters – ½ Credit Each

Physics is a comprehensive analysis of physical laws of the universe. Through class discussion and laboratory investigation the topics of motion, force, energy, and electricity will be covered. The class will explore a practical application of physical properties in relation to the environment. The course is intended for any student pursuing higher education.

ADVANCED PLACEMENT PHYSICS 1A (Mechanical) 33425
Prerequisite: None
ADVANCED PLACEMENT PHYSICS 1B 33426
Prerequisite: AP Physics 1A
Grades 11-12
Two Semesters – ½ Credit Each

Physics explains how the world around you works. You will plainly begin to see physics in your everyday life as you work through the units. We will study free fall, friction, every sport known to man, how cars work, outdoor activities such as skiing, electricity, gravity, sound, music, musical instruments, boats, how a wing works, electronics, magnets, waves, lenses, mirrors, cameras, and optics just to name a few topics. AP physics 1 covers the following units: 1. Waves 2. Kinematics (motion) 3. Force 4. Energy 5. Momentum 6. Circular motion (These units are a branch of physics called Mechanics). Physics is a great class for understanding common, everyday life situations. Basic physics is also a part of many college majors and career paths including: All science majors, the entire medical field, design careers, engineering, architecture, computer careers, technology, military careers, the energy industry, mechanics, the arts, and many, many more. Since so many paths require some level of physics, it is recommended that students start learning physics in high school rather than being blindsided by it in college or trade school.

ADVANCED PLACEMENT PHYSICS 2A (Electricity, Magnetism, Optics) 33427

Prerequisite: Concurrent with AP physics 1
ADVANCED PLACEMENT PHYSICS 2B 33428
Prerequisite: AP Physics 2A
Grades 11-12
Two Semesters – ½ Credit Each

AP Physics 2 is meant to follow either regular physics or AP physics 1, but may be taken at the same time as AP Physics I. Units of study are 1. Electrostatics 2. Circuits 3. Magnetism 4. Fluids 5. Thermodynamics 6. Optics (lenses and mirrors) 7. Nuclear Physics. This class is a great follow up to AP physics 1 or regular physics and will reveal an even wider view of everyday life situations. This class is a must for future engineers, science majors, and anyone interested in physics. AP Physics 2 is NOT more difficult than AP Physics I, it is just different content.

FOOD SCIENCE I 37510
Prerequisite: None
Counts as a Science Elective Credit
Grades: 11-12
One Semester – ½ Credit

This course is designed to teach physical science concepts as they relate to cooking, food safety and nutrition. This is accomplished through completion of textbook assignments and lab experiments. Because of the hands on nature of this class, consistent attendance is necessary for success. **This course does not meet NCAA course requirements.**

FOOD SCIENCE II 37520
Prerequisite: Food I
Counts as a Science Elective Credit
Grades: 11-12
One Semester – ½ Credit

This course is a continuation of Food Science I and requires the knowledge and understanding of scientific principles taught in it. This is accomplished through completion of textbook assignments and lab experiments. Because of the hands on nature of this class, consistent attendance is necessary for success. **This course does not meet NCAA course requirements.**

<u>LIFE SCIENCE (S2)</u>

BIOLOGY A (Required) 33120,
Prerequisite: None
BIOLOGY B (Required) 33130
Prerequisite: Biology A
Strongly recommended at Grade 10
Two Semesters – ½ Credit Each

Biology is a study of the characteristics of living organisms. Through class discussion and laboratory investigation the student will explore the relationships of life forms. This course examines man's relationship, interactions, and impact on the environment. The students will be encouraged to become problem solvers and apply the basic background knowledge of the

course. The class is intended to form a foundation for additional science courses and serves as the prerequisite for further science study. All students will benefit from studying biology for their careers and daily life.

ADVANCED PLACEMENT BIOLOGY A 33181
Prerequisite: Biology and Teacher approval.
ADVANCED PLACEMENT BIOLOGY B 33182
Prerequisite: AP Biology A
Grades 11-12
Two Semesters – ½ Credit Each

The AP Biology course is designed to enable students to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent college courses. This AP Biology course is equivalent to a two-semester college introductory biology course. College credit may be obtained upon successful completion of the College Board Biology Examination. Grades may be weighted in this course for the purpose of determining GPA.

AG BIOLOGY A 37241
Prerequisite: None
AG BIOLOGY B 37242
Prerequisite: Ag Biology A
Strongly recommended at Grade 10
Two Semesters – ½ Credit Each

Agriculture Biology is the study of the characteristics of livings organisms in an agricultural setting. Through class discussion and laboratory investigation the student will explore the relationships of life forms. The intent is to form a foundation for additional science courses and serve as the prerequisite for further science study. All students will benefit from the study of biology in their further study of agriculture. This course is aligned with all other core biology classes. In addition it is accepted as a life science biology by post-secondary institutions.

ELECTIVE SCIENCE (SC)

ZOOLOGY (Biology of Animals) 33162
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

Zoology is a survey of the animal kingdom with an analysis of systems relevant to their classification. The intention is to help students appreciate a variety of life forms and their unique and similar characteristics. It is intended for students with a desire to expand their knowledge of animal diversity. This is a lab-based class and involves the dissection of a variety of specimens.

ANATOMY AND PHYSIOLOGY A 33171
Prerequisite: Biology
ANATOMY AND PHYSIOLOGY B 33172
Prerequisite: Anatomy and Physiology A
Grades 10-12
Two Semesters – ½ Credit Each

In this course the major systems of the human body and their interactions will be explored.

These systems will include the nervous system, skeletal system, circulatory system, respiratory system and reproductive system. The functioning of each system from the cellular level to complete system will be examined using laboratory investigations and class discussions. This class is intended for students who plan a career in the health science fields.

AG WILDLIFE SCIENCE 37255
Prerequisite: Biology
Grades 11-12
One Semester – ½ Credit

This course of study focuses on wildlife biology. Topics will include: wildlife identification, anatomy and physiology and life cycles. In addition, aquaculture for raising aquatic animals will be included. Students will also report on current issues facing wildlife management. Class time will be divided between classroom instruction, laboratory experiences, guest speakers as well as field trips. **This class does meet the NCAA science requirement.**

ANIMAL/VET SCIENCE 37270
Prerequisite: Biology
Grades 10-12
One Semester – ½ Credit

This course is designed for students interested in animal production and the study of animals and related health careers. Areas of study will include: livestock production, nutrition, reproduction, diseases, and behavior. In addition, medical records, terminology, instrument care and identification will be covered. Laboratory will include small and large animal care and handling, vital signs, anatomy, pharmacology and radiography. This course meets the life science elective requirement. **This class does meet the NCAA science requirement.**

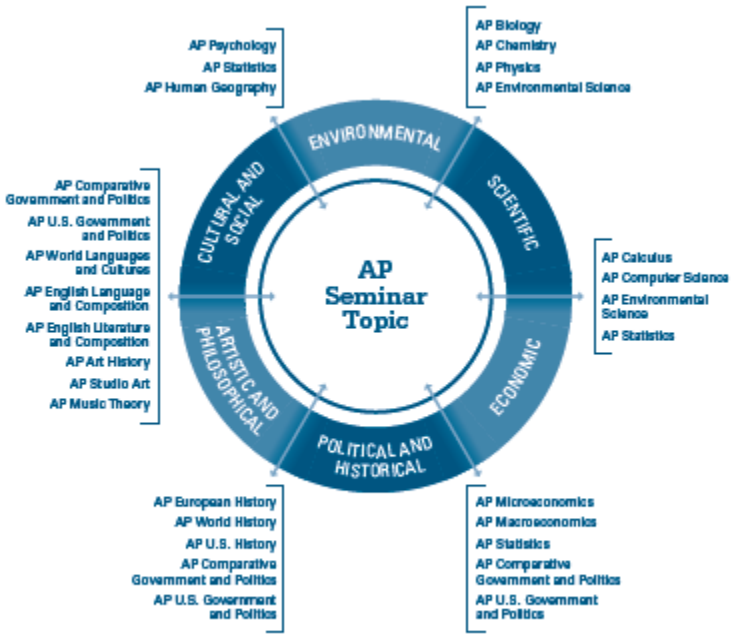
EQUINE SCIENCE 37320
Prerequisite: Biology
Grades 10-12
One Semester – ½ Credit

A science approach to the Equine industry, breeds, selection, form to function, care and management, soundness, health, reproduction, feeding and facilities will be studied. Students will also study evolutionary and behavioral characteristics of the horse as it relates to facilities and training. This course meets the life science elective requirement. **This class does meet the NCAA science requirement**

AP SEMINAR 31205
Prerequisite: Successful completion of 1 or more AP classes prior to junior year
Grade 11
Two Terms – 1 Credit (First semester is an English Elective and second semester elective determined by the student and teacher depending upon the seminar topics chosen by each student)

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students read and analyze articles, research studies and foundational literary and philosophical texts, speeches, broadcasts and artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and

visual presentations, both individually and as part of a collaborative team. Students will choose a specific content for their learning; this may be an extension of another AP course or a topic/issue that the student feels passionate about. This course will equip students with 21st century skills and enable them with the power to analyze and evaluate information with accuracy and precision in order to craft evidence-based arguments.



AP RESEARCH
Prerequisite: Successful completion of AP Seminar
Grade 12
Two Terms – 1 credit

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question.

In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and presentation with an oral defense.

SOCIAL STUDIES

Students must complete 3 credits in Social Studies to graduate.

SOCIAL STUDIES TRACKS

Traditional Track
Global Studies A&B
US History A&B
OR
Record of Human Existence
American Government
Social Studies Elective

Accelerated Track
AP Human Geography A&B
AP European History A&B
AP US History A&B
AP American Government A&B
(AP Microeconomics A&B as well as AP Psychology A&B may also be included on the accelerated track for jrs. And srs.)
AP Comparative Government A&B
AP Seminar
AP Research

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

The program of this department is designed to create a better understanding of social, political and economic problems of the United States and other nations through a study of local, national, and international affairs.

GLOBAL STUDIES A (Required) 34010
GLOBAL STUDIES B (Required) 34020
Focus areas: Power, Movement, Culture and Conflict, Resources/Environment and Population
Strongly recommended at Grade 9
Only available online through Student Learning Center at FMHS
Two Semesters – ½ Credit Each
Fruita 8/9 Building only/ Online only at FMHS

The study of history, geography, economics, and civics is the study of humanity, of people and events that have individually and collectively shaped our nation and the world. A strong and effective social studies program helps students make sense of the world in which they live and helps them see themselves as active global citizens.

Global Studies is designed to help students understand the interconnectedness of the world. Students will investigate the world and develop the knowledge and skills in history, geography, civics, and economics. The course provides students with the opportunity to explore and compare various regions and cultures through thematic units. In addition, the course enables students to investigate issues and themes from multiple perspectives using a variety of primary and secondary sources that lead to in-depth understanding. As students explore the four social studies standards, they will have multiple opportunities to explore the content and skills of the social science disciplines.

US HISTORY A (Required) 34141
Prerequisite: None
US HISTORY B (Required) 34142
Prerequisite: U S History A
Strongly recommended at Grade 10
Two Semesters – ½ Credit Each

US History explores in depth history, civics, geography, and economics themes in US History from the Industrial Revolution to present. This course builds on skills which will include cause and effect relationships, analysis, evaluation, and the use of primary sources to prepare students for the 21st Century. This class has at least 1 hour of homework per week.
The following three standards will be incorporated throughout the course:

●Gather and analyze historical information, including contradictory data, from a variety of primary and secondary sources, to support or reject hypotheses and/or create an historical argument.
●Differentiate between facts and historical interpretations, recognizing that a historian's narrative reflects his or her judgment about the significance of particular facts.
●Analyze ideas critical to the understanding of American history. Topics to include, but not limited to, populism, progressivism, isolationism, imperialism, anti-communism, environmentalism, liberalism, fundamentalism, and conservatism.
OR:

ADVANCED PLACEMENT UNITED STATES HISTORY A 34161 (TA)
Prerequisite: Teacher Approval
ADVANCED PLACEMENT UNITED STATES HISTORY B 34162
Prerequisite: AP US History A
Grades 11-12
Two Semesters – ½ Credit Each

The purpose of this course is to examine the ideas, institutions, and movements in American life and culture. Students will become aware of and appreciate their American heritage, develop a realistic comprehension of the role of the United States in world affairs, and better understand the forces, which have shaped America. The course will proceed chronologically from independence to modern times. It is designed to be at least equal to a college freshman level United States History course. This course is designed to prepare students for the National Advanced Placement Examination in United States History. Grades may be weighted in this course for the purpose of determining GPA. This course has up to 1 hour of homework each night.

A RECORD OF HUMAN EXPERIENCE A 31081 (TA)
Prerequisite: Teacher approval
A RECORD OF HUMAN EXPERIENCE B 31082
Prerequisite: Successful completion of part A
Grade 10
Two semesters – Students have the opportunity to earn up to ½ Credit Comp/Lit 10 & ½ Credit US History per semester

This is cross curricular course with a thematic approach to literature and US History for students who have successfully completed core 9 requirements. Utilizing themes in US History from the Industrial Revolution to present, students will explore a variety of texts and genres through close

reading and will write narrative, argumentative and informative texts. Students will compare and contrast texts and media that connect traditional, classical and contemporary themes historical contexts, as well as analyze historical information, including contradictory data to support or reject hypotheses and/or create an historical argument. They will make connections between their own lives and the lives of those they read, and differentiate between facts and historical interpretations by recognizing that a historian's narrative reflects his or her judgment about the significance of particular facts. *This is a blended learning, project based class. Students will receive credit for both ELA 10 and US History.

AMERICAN GOVERNMENT (Required) 34180
Prerequisite: None
Strongly recommended at Grade 11
One Semester – ½ Credit

This course prepares students for their roles as informed, connected, and engaged American citizens and Global citizens ready to participate in the American Political system. Students must understand the ramifications of political decisions at the local, state, national, and international levels, as well their interdependent nature. Students will know the basic building documents of the American Political system, their history and impact on current policies. Students will investigate the structure of the American government system, the three branches, Federalism and how these philosophies interact to form the American political milieu. This class has at least 1 hour of homework per week.
OR:

ADVANCED PLACEMENT AMERICAN GOVERNMENT A 34191 (TA)
Prerequisite: Teacher Approval
ADVANCED PLACEMENT AMERICAN GOVERNMENT B 34192
Prerequisite: AP American Govt A
Grade 11-12
Two Semesters – ½ Credit Each

The purpose of this course is to stimulate an interest in the democratic system of government, and to actively encourage participation in all phases of civic activity. Students will investigate the origin, philosophy, powers, and operations of the legislative, executive and judicial branches. Students will also study the electoral and political processes of our system of government. This class is taught at a college level. It is designed to be at least equal to a college American Government course. The course is designed to prepare students for the National Advanced Placement Exam in American Government. Grades may be weighted in this course for the purpose of determining GPA. This course has up to 1 hour of homework each night.

SOCIAL STUDIES ELECTIVES

WORLD HISTORY – ANCIENT 34060
Prerequisite: None
Grade 10-12
One Semester – ½ Credit

The purpose of this course is to study the development of societies that contributed to modern culture. Topics of study will include the development of religious ideas, political systems, cultural values, artistic creativity, and technology. This course will cover the beginnings of man,

ancient Egypt, Mesopotamia, India, China, and the civilizations of Greece and Rome. This class has at least 1 hour of homework per week.

WORLD HISTORY – MEDIEVAL AGE 34080
Prerequisite: None
Grades 10-12
One Term – ½ Credit

This course will cover the period from the fall of Rome in 476 A.D. through the Renaissance and into the 1500's. Asia and Africa will be discussed briefly, but the major focus of this course will be on Europe. Study will include knights, castles, cathedrals, art, religion, and the development of modern nation-states. This class has at least 1 hour of homework per week.

ADVANCED PLACEMENT EUROPEAN HISTORY A 34135
Prerequisite: Successful completion of either AP Human Geography, AP Environmental Science or Honors English or Teacher Approval
ADVANCED PLACEMENT EUROPEAN HISTORY B 34136
Prerequisite: AP European History A
Grades 10-12
Two Semesters – ½ Credit Each

Beginning with the Renaissance (1400's), this course traces the development of politics, economics, society, science, religion, philosophy and the arts to the present day. Students will prepare for the National Exam (AP European History test) in May, which may earn them college credit. Assigned work will enable students to openly discuss concepts and issues from our varied readings and write concise essays over the topics. A's, B's and C's in this course are weighted for the purpose of determining GPA. This course has up to 1 hour of homework each night.

ADVANCED PLACEMENT HUMAN GEOGRAPHY A 34171
Prerequisite: Proficient or advanced in reading and writing CSAP
ADVANCED PLACEMENT HUMAN GEOGRAPHY B 34172
Prerequisite: AP Human Geography A
Fruita 8/9 Building only
Grades 10-12
Two Semesters – ½ Credit Each

This course will introduce students to the dynamics of human population growth and movement. Patterns of culture, economic use of the earth, political organization of space, and human settlement patterns will be explored. This is a class for advanced students. The course is designed to be at least equal to a college freshman level World Geography course. Students will prepare for the national AP Human Geography Exam, which can earn college credit. The expectation is that all students will take the exam. A's, B's and C's in this course are weighted for the purpose of determining GPA. This course has up to 1 hour of homework each night.

SOCIOLOGY 34240
Prerequisite: None
Grade 10-12
One Term – ½ Credit

Sociology explores important societal factors such as cultural change and dynamics, group structure and function, social status and class, social behaviors, deviance, and racial relations.

In addition social institutions including marriage and family, religion, and education will be covered. The course will attempt to give students an overall perspective on the structure and function of society. This class has at least 1 hour of homework per week.

PSYCHOLOGY 34260
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

Psychology is the study of the mental processes and human behavior. The course will cover such topics as research methods, the brain and behavior, memory, thought, states of consciousness, personality & behavior disorders. Types of therapy and research relative to each of the topics will be expected. This class has at least 1 hour of homework per week.

ADVANCED PLACEMENT PSYCHOLOGY A 34281 (TA)
Prerequisite: Teacher Approval
ADVANCED PLACEMENT PSYCHOLOGY B 34282
Prerequisite: AP Psychology A
Grades 10-12
Two Semesters – ½ Credit Each

This course is a two-term course equivalent to a college freshman level course in basic Psychology. The first term will consist of the study of the history of psychology, research methods, the physiological basis of behavior, nature and nurture, human development, and sensation and perception. The second term of study includes states of consciousness, learning and memory, language, intelligence measurements, motivation and emotion, stress and frustration, personality theory, abnormal behavior, therapy and social psychology. Students will have required reading outside class. It is not necessary to take regular psychology in order to enroll in AP Psychology. Students will prepare for the National Advanced Placement Examination, which can earn them college credit. A's, B's and C's in this course are weighted for the purpose of determining GPA. This course has up to 1 hour of homework each night.

ADVANCED PLACEMENT MICROECONOMICS 34331
Prerequisite: Regular Economics, Teacher/Counselor Approval
Fulfills Financial Literacy Requirement
Grades 11-12
Year Long – 1 Credit

The purpose of an AP course in Microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. A's, B's and C's in this course are weighted for the purpose of determining GPA. This course has up to 1 hour of homework each night.

AP COMPARATIVE GOVERNMENT AND POLITICS 34195
Prerequisite: American Government or AP American Government
Grade 12
Two semesters: ½ Credit each

AP Comparative Government & Politics is designed to give students an introduction to diverse government structures and political models present across the globe. This knowledge is vital to

understanding the ever changing and interdependent world we live in today. Students begin with the study of comparative politics, then delve into case studies of six countries: The United Kingdom, Mexico, Nigeria, Russia, Iran, and the People's Republic of China. These countries are used to explore concepts such as sovereignty, sources of authority and power, political institutions, elections, social movements, the creation of public policy, as well as political and economic change. Prerequisite: American Government OR AP US Government & Politics.

COMPARATIVE RELIGIONS 34340
Prerequisite: None
Grades 11-12
One Term – ½ Credit
Offered every other year

Comparative Religions examines the major religions of the world and the place of religion in human affairs. This course will identify the basic concepts of the major living religions and philosophies of Judaism, Zoroastrianism, Islam, Hinduism, Taoism, Confucianism, and Buddhism. Geographic influences, historical events, founders, sacred writings, practices, and ceremonies will be explored. Religious concepts and philosophical views will be discussed in an academic and nonjudgmental environment. This class has at least 1 hour of homework per week. **Does not meet NCAA Social Studies requirements**

ANTHROPOLOGY 34300
Prerequisite: None
Grades 11-12
One Semester – ½ Credit

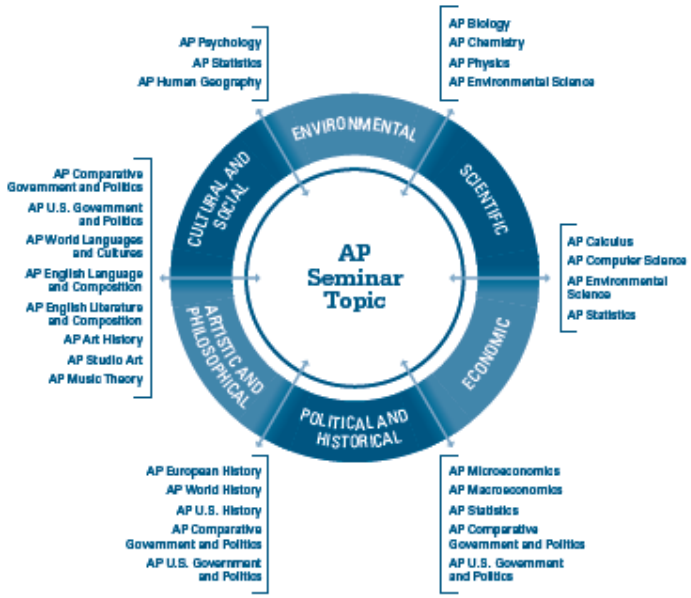
Anthropology is the study of human culture past and present, especially with respect to social structure, language, law, politics, religion, magic, art, and technology. In this course, students will learn about the lives of others and how they view the world differently than we do, in the process gaining a better understanding of our own culture. The class will focus on interactive discussion and inquiry, with groups of students working together to address problems and issues relevant to the culture. The course will primarily focus on 5 problems (corresponding with each unit: culture, cultural transformation, language and actions, family and kinship, inequality and violence) central to the study of human behavior and culture. Mature subject matter, such as sexuality/nudity, incest, cannibalism, etc., will be discussed in this class so students should be prepared to behave accordingly.

ECONOMICS 34320
Prerequisite: None
Fulfills Financial Literacy Requirement
Grades 11-12
One Semester – ½ Credit

The purpose of this course is to foster the growth of economic literacy in our high school students. This course will help students understand the American economic system of free enterprise so that they will be able to make better financial, employment and personal decisions. It will address the basic economic concepts of a free market system, including: supply and demand, scarcity, resource allocation, economic choices and costs, corporations, inflation as well as others. It will also explore the different economic choices a country must make. It also examines the relationship between politics and economics, including different types of taxation, as well as that goods and services are produced and distributed. This class has at least 1 hour of homework per week.

AP SEMINAR 31205
Prerequisite: Successful completion of 1 or more AP classes prior to junior year
Grade 11
Two Terms – 1 Credit (First semester is an English Elective and second semester elective determined by the student and teacher depending upon the seminar topics chosen by each student)

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students read and analyze articles, research studies and foundational literary and philosophical texts, speeches, broadcasts and artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a collaborative team. Students will choose a specific content for their learning; this may be an extension of another AP course or a topic/issue that the student feels passionate about. This course will equip students with 21st century skills and enable them with the power to analyze and evaluate information with accuracy and precision in order to craft evidence-based arguments.



AP RESEARCH
Prerequisite: Successful completion of AP Seminar
Grade 12
Two Terms – 1 credit

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question.

In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of

their scholarly work in a portfolio. The course culminates in an academic paper of 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and presentation with an oral defense.

FOREIGN LANGUAGE

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

In today's changing world, knowledge of foreign languages and cultures is a must to insure a niche in a global economy. As the world's information systems become more readily accessible, foreign language skills become a powerful tool in locating and interpreting foreign data and research. As students become productive world citizens, they derive great personal satisfaction and value from knowing how to communicate in a foreign language. All foreign language courses align with District 51 and Colorado Foreign Language Standards.

LEVEL 1 A
Prerequisite: None
Recommendation: Students should have a "C" average overall and specifically in their most recent Language Arts/English class.
LEVEL 1 B
Prerequisite: C or better in Level 1 A
Grades 10-12
Two Semesters – ½ Credit Each

The level one world language course is designed to focus on high frequency vocabulary and language structures through student interaction with the target language. Language will be learned through a variety of activities including: novels, stories, video media & technology, cultural exploration, grammar practice etc. Regular attendance and active participation are critical components for student success.

AMERICAN SIGN LANGUAGE 1A & 1B 35420 35421
GERMAN 1A & 1B 35321 35322
SPANISH 1A & 1B 35001 35002
***Native Spanish speakers should not register for Spanish 1 or 2, but should consider level 3 or 4, Spanish for Native Speakers, or another language**

LEVEL 2 A
Prerequisite: Successful completion of Level 1 with a "C" or better
LEVEL 2 B
Prerequisite: C or better in Level 2 A
Grades 10-12
Two Semesters – ½ Credit Each

The level two world language course is designed to increase students' competence through continued interaction with the target language. The focus will be on more advanced language structures and expanded vocabulary in context. Level two students will demonstrate increasing spontaneity and flexibility in their ability to communicate in the target language in all four areas: speaking, listening, reading and writing. Regular attendance and active participation are critical components for student success.

AMERICAN SIGN LANGUAGE 2A & 2B 35423 35424
GERMAN 2A & 2B 35341 35342
SPANISH 2A & 2B 35021 35022
***Native Spanish speakers should not register for Spanish 1 or 2, but should consider level 3 or 4, Spanish for Native Speakers, or another language.**

ACCELERATED LEVEL 2A
Prerequisite: successful completion of Level 1 with a "C" or better
ACCELERATED LEVEL 2B
Prerequisite: C or better in Level 2 A
Grades 10-12
Two Semesters – ½ Credit Each

The accelerated level two world language course is designed to increase students' competence through continued interaction with the target language. Through the accelerated course students will cover levels 2 and 3 in one-year. The focus will be on more advanced language structures and expanded vocabulary in context. Students will demonstrate increasing spontaneity and flexibility in their ability to communicate in the target language in all four areas: speaking, listening, reading and writing. Regular attendance and active participation are critical components for student success. Students completing the accelerated course will be encouraged to continue on to level 4 and AP.

SPANISH 2A & 2B 35026 35027

LEVEL 3 A
Prerequisite: successful completion of Level 2 with a "C" or better
LEVEL 3 B
Prerequisite: C or better in Level 3 A
Grades 10-12
Two Semesters – ½ Credit Each

The level three world language course is a college prep course designed to increase the students' competence and confidence in the target language. The focus continues to be on increasingly advanced language structures and vocabulary building, with an added emphasis on reading. Regular attendance and active participation are critical components for student success.

GERMAN 3A & 3B 35361 35362
SPANISH 3A & 3B 35041 35042

LEVEL 4 A (TA)
Prerequisite: successful completion of Level 3 with a "C" or better
LEVEL 4 B
Prerequisite: C or better in Level 4 A
Grades 10-12
Two Semesters – ½ Credit Each

The level four world language course is a college prep course designed to further develop students' abilities and skills in the target language with increasing depth and breadth. They are able to converse and to write about complex topics and sustain communication. Students are able to read a variety of authentic materials and to respond to them in the target language. Cultural awareness and sensitivity continue to develop as students focus on the cultural subtleties. Regular attendance and active participation are critical components for student success.

GERMAN 4A & 4B 35382 35383
SPANISH 4A & 4B 35061 35062

ADVANCED PLACEMENT LEVEL A(TA)
Prerequisite - successful completion of Level 3 with a "C" or better and/or teacher recommendation
ADVANCED PLACEMENT LEVEL B
Prerequisite - successful completion of Level AP A with a "C" or better and/or teacher recommendation
Grades 10-12
Two Semesters – ½ Credit Each
The AP level is an advanced course in the study of the language and culture. It is comprised of the six thematic units. Resources come from textbooks, podcasts, videos, internet sites, authentic magazines and newspapers. The six thematic units (Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics) are incorporated into the students' activities and assignments, which are focused on Interpersonal, Interpretive and Presentational modes of communication. The course is conducted almost exclusively in the target language, and students are expected to communicate almost exclusively in the target language as well. Assessments include AP style writing and speaking assessments that are evaluated holistically using the AP rubrics, as well as AP style reading and listening selections with multiple choice questions. Various grammar points are reviewed and practiced throughout the year.

AP GERMAN A & B 35401 35402
AP SPANISH A & B 35101 35102

***Note: 1) Foreign Languages are <u>highly recommended</u> for success in the work world by professionals.**
2) Since 2006, Colorado Universities are requiring incoming freshmen to have at least 1 year of a foreign language.

BUSINESS EDUCATION

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

BUSINESS COMMUNICATION 35501
Prerequisite: Computer Applications
Grades 11-12
One Semester – ½ Credit

In this course students develop their ability to communicate effectively in the global business environment of the 21st Century. Students learn how to create business documents such as letters, reports and resumes that meet current business standards. Effective speaking, listening and non-verbal communication strategies are practiced as they relate to leadership and personal interaction with coworkers and customers or clients. Strategies for communicating with multicultural and international business associates will also be explored. Electronic systems such as e-mail, telephones and voice mail, faxes, video conferences, and word processing/presentation software will be used in the course. **This course may be taken as .5 credit of elective Language Arts. This course does not meet the NCAA language arts requirement.**

BUSINESS EXPLORATION 35710
Prerequisite: none
Grades 10-12
One Semester – ½ Credit

This course is for students who are interested in learning the basics about the business world. Students will obtain knowledge about being an informed consumer and understanding the work world. Content includes the study of current business issues, with an emphasis on business vocabulary. Students are taught about ethics and social responsibilities. This course will prepare students for upper level business courses.

BUSINESS MANAGEMENT 35720
Prerequisite: none
Grades 11-12
One Semester – ½ Credit

This course develops an understanding of business management operations. It covers areas on advanced business topics, financial applications and analysis, and employer-employee relationships. Strong emphasis is placed on leaderships, communications, and managing human resources. The course covers issues pertinent to starting and/or owning a business.

PERSONAL FINANCE 35740
Prerequisite: Computer Applications
Fulfills Financial Literacy Requirement
Grades 11-12
One Semester – ½ Credit

This course emphasizes life-long decision-making skills in personal financial management. Topics will include budgeting, checking and savings accounts, understanding credit, income taxes, insurance and housing choices, and making financial decisions. Internet opportunities

will be provided for students to explore additional useful financial information. **This course may be taken for .5 elective math credit. This course does not meet the NCAA math requirement.**

BUSINESS MATHEMATICS 35715
Prerequisite: Computer Applications
Grades 11-12
One Semester – ½ Credit

This course is designed to assist students in learning to use math effectively as a tool in their lives as workers and consumers. Methods that students can use to approach problem solving in a logical manner are emphasized. Realistic business situations, including personnel, purchasing, marketing, accounting records, and corporate planning will be addressed. Spreadsheet applications relating to course topics will provide real-world computer experience. **This course may be taken for .5 elective math credit. This course does not meet the NCAA math requirement.**

ACCOUNTING 1- A 35801
Prerequisite: Successful completion of Math 1
ACCOUNTING 1-B 35802
Prerequisite: Accounting 1-A
Grades 10-12
Two Semesters – ½ Credit each

This course builds a basic understanding of manual and automated accounting principles and procedures. Students learn to analyze and record business transactions and prepare financial statements for businesses organized as proprietorships, partnerships and corporations. **These courses may be taken for .5 credit each of elective math. These courses do not meet the NCAA Math requirement.**

FBLA LEADERSHIP 35840
Prerequisite: Member of FBLA
Grades 10-12
One Semester, but may be repeated – ½ Credit

This is an elective credit offered for students who are current FBLA members (students who are not currently FBLA members, but would like to become one and take the class should see the teacher for approval). Students will be responsible for developing, implementing, and overseeing various chapter projects. In addition, students will receive hands-on business experience through operating the Wildcat Store before school and during class time. Finally, students will learn about business ethics leadership through curriculum sponsored by the Daniels Fund. Students will document their activities and learning in a portfolio that will be presented the end of each term.

BUSINESS WORK EXPERIENCE (Work Program) 35860
Prerequisite: Computer Applications and Teacher/Coordinator Approval
Grades 11-12

This course is designed to supplement course work with practical paid work experience related to students' educational program and occupational objectives. Students acquire valuable workplace skills required to be successful on the job. Students will relate the importance of

workplace expectations to career development.

CAREER INTERNSHIP 39050
Prerequisite: Counselor or Internship Coordinator Permission Required
Grades 11-12

This class is designed to encourage students to explore and expand their career interests in a related profession or workplace. The interns are required to conform to Workplace Standards that require proficiency in communication skills, organizational skills, thinking (reasoning) skills, demonstration of effective worker qualities, and technology skills. The intern will work with the Internship Coordinator to find suitable and relevant placements. Students may earn .5 an elective credit for each 60 hours of work completed in one semester. A maximum of two (2) elective credits may be earned toward graduation with this class. An intern must not be related to their supervisor. Letter grading is utilized.

Future Business Leaders of America-Phi Beta Lambda is a co-curricular organization open to all business minded students. The FBLA-PBL mission is to bring business and education together in a positive working relationship through innovative leadership and career development programs which include education through workshops and conferences, community service projects, and opportunities for students to become acquainted with a number of educational and career options and opportunities.

BUSINESS EDUCATION PATHWAYS

		Management & Administration	Marketing	Finance	Gov't & Public Administration
Potential Career Options—Visit www.collegeincolorado.org for more information about these careers and others in these career clusters.		Accountants Admin. Services Manager Agents and Bus Managers of Artists, Performers and Athletes Billing and Posting Clerks and Machine Operators Business Operations Specialists Couriers and Messengers Customer Service Reps Employment Interviewers Executive Secretaries and Administrative Asst.	Advertising and Promotions Mgr. Advertising Sales Agents Demonstrators and Product Promoters Fashion Designers Floral Design Hairdressers, Hairstylists and Cosmetologists Interior Designers	Brokerage Clerks Claims adjusters, Examiners and investigators Credit analysts Economists Financial Analysts, Examiners, Managers and Specialists Insurance Claims Clerks	Chief Executives Compliance Officers Emergency Management Specialists Environmental Compliance Inspectors Legislators Municipal clerks Social and Community Service managers Urban and regional Planners
9th	Core	Business Explorations	Business Explorations	Business Explorations	Business Explorations
10th	Core	Business Explorations	Business Explorations	Business Explorations Accounting****	Business Explorations Accounting****
	Grad. Requirement	Computer Apps or Business Information Technology*	Computer Apps or Business Information Technology*	Computer Apps or Business Information Technology*	Computer Apps or Business Information Technology*
	Elective		Business Comm.***		Business Comm.***
11th	Core	Accounting****	Business Communications***	Accounting****	Accounting****
	Grad Requirement	Economics/Per. Finance**	Economics/Per. Finance**	Economics/Per. Finance**	Economics/Per. Finance**
	Elective	Business Information Technology* Business Math**** BWE	Business Information Technology* Business Math**** Business Comm.*** BWE	Business Information Technology* Business Math**** BWE	Business Information Technology* Business Math**** Business Comm.*** BWE
12	Core	Management I & II/Entrep	Business Comm.***	Accounting****	Accounting**** Business Comm.*** Business Law
	Grad Requirement	Economics/Per. Finance**	Economics/Per. Finance**	Economics/Per. Finance**	Economics/Per. Finance**
	Elective	Business Comm.** * Web Design I, II Programming I, II Business Information Technology* Business Law BWE Business Math****	BWE Web Design I, II Business Math****	BWE Business Math****	BWE Programming I, II Business Math****
Students are encouraged to join FBLA as freshman as a co-curricular enhancement to their business education experience. While students can join at any grade level, the more years of experience in FBLA can enhance leadership skills as well as provide college scholarship opportunities.					

***Beginning with the class of 2011, a placement test is available each spring to allow students to possibly take a higher level of a computer literacy course. Business Information Technology meets the requirement for advanced placement and the computer/technology literacy graduation requirement.**

****Beginning with class of 2011, Personal Finance meets the requirement for Financial Literacy; the course will also continue to meet the requirements for .5 math credit**

*****This course will fulfill language arts elective credit for.5 credit for juniors or seniors.**

******This course may be taken for .5 math credit.**

COMPUTER COURSES AT FMHS

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

Computer technology is common in all facets of the workplace in the world today. FMHS provides a wide spectrum of computer course offerings to assist students in not only learning basic functions on a computer but in acquiring computer skills and interest at higher levels while in high school. Core requirements for high school graduation include .5 credits in computers. However, students are strongly encouraged to take additional computer courses to strengthen skills for workplace and college needs.

All students will be required to pay the following fees. These fees are for the 2018-2019 school year and are subject to change based on Board approval.

BUSINESS/COMPUTER FEES

CLASS	FEE
Computer Applications & Adv Computer Apps	$10.00 per class
Computer Communications Technology	$20.00 per class(Includes flash drive)
Media Productions I & II	$10.00 per class

COMPUTER APPLICATIONS I (Required) 35580
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

This is a computer laboratory course that will enable students to gain experience using Microsoft Word, Excel, and PowerPoint. Students will learn about operations systems, application software, windows terminology, disk and file management, word processing applications and formatting spreadsheet features and functions, the application of standard charts and the use of presentation graphs and applications. Students will learn and apply Outlook for electronic mailing functions and applications. This course meets the graduation requirement for computer literacy.

ADVANCED COMPUTER APPLICATIONS I (Required) 35595
Prerequisite: Computer Applications or pass Challenge Test
Grades 10-12
One Semester – ½ Credit

This course is a continuation of Computer Applications, including computing systems in a business environment and applicable software. Upon completion of this course, a student should be able to explain and apply each of the following: Word processing, Electronic presentations, Spreadsheet, Database management systems, File management, and Integration of all the above. If a student completes this course with a “C” or better CMU will allow the student to skip CSIB 101 and take the next level up.

WEB DESIGN I 35645
Prerequisite: Computer Applications
Grades 10-12
One Semester – ½ Credit

This course will introduce students to designing, creating, editing and maintaining webpages that are easy to use and visually appealing. The use of images, forms, tables, templates, layers and behaviors will be covered. Image editing software will be used to format images for use in webpages.

WEB DESIGN II (TA) 35646
Prerequisite: Web Design I
Grades 11-12
One Semester – ½ Credit

This course will create, update and maintain the high school web site using industry-based standards. Students will take their prior experience with web designing software from Web Design I and apply it to the school site. This course requires teacher approval.

PROGRAMMING IA 35890
Prerequisite: Math 1
Grades 10-12
One Semester – ½ Credit

This course introduces programming and applications development. Assignments focus on program structure, language syntax, and implementation details.

PROGRAMMING IB 35891
Prerequisite: Programming IA
Grades 10-12
One Semester – ½ Credit

This course builds on the skills learned in Programming IA. Assignments focus on more involved applications, working with advanced controls, and learning additional programming elements.

COMPUTER COMMUNICATIONS TECHNOLOGY 37022
Prerequisite: None
Grade 10-12
One Semester – ½ Credit

This course will help students better understand computer and program availability and use. The class will provide an introduction to the basics of image editing, along with interactive use of many other programs including 3D graphics, Animation, Movie Making and many other programs available to the students. Students will design logos, create Animations, explore sound manipulation, and much more. This is the class for the creative computer person.

AP COMPUTER SCIENCE PRINCIPLES A 35603
Prerequisite: Math Proficiency
AP COMPUTER SCIENCE PRINCIPLES B 35604
Prerequisite: Successful completion of part A
Grades 10-12
Two semesters – ½ Credit each

AP Computer Science Principles is a rigorous, entry level course that introduces high school 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, and the societal impacts of computing.

AP COMPUTER SCIENCE A 35600
Prerequisite: Math Proficiency
AP COMPUTER SCIENCE B 35601
Prerequisite: Successful completion of part A
Grade 11-12
Two Semesters – ½ Credit each

The course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It also includes the study of data structures, design, and abstraction.
The course represents college-level achievement for which most colleges and universities can be expected to grant advanced placement and credit. Placement and credit are granted by institutions in accordance with their own policies, not by the College Board or the AP Program.

MEDIA PRODUCTIONS I 35635
Prerequisite: Computer Applications
Grades 10-12
One Semester – ½ Credit

Media Productions I is the combination of text, graphics, video, and sound used to create digital media presentations. Students will be introduced to specific programs that will teach the basics and work towards advanced techniques of each application. Once the programs have been introduced we'll use applications that allow you to combine each to the present multimedia presentations through desktop publishing, web design, and video production. Students will use the tools around them; computers, applications, online help, manuals, media, and the instructor to help create professional caliber work.

MEDIA PRODUCTIONS II 35636
Prerequisite: Media Productions I
Grades 10-12
One Semester – ½ Credit

Students will build their knowledge learned about specific programs, as well as use the tools to create a quality product. The use of online of self-guided tutorials to teach will be introduced to effectively use less frequent features for applications. Students will define projects they wish to create, determine goals, outcomes, find modeling examples, evaluate, and present to peers and instructor. Students will use the tools around them; computers, applications, online help, manuals, media, and the instructor to help create professional caliber work.

PHYSICAL EDUCATION

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

There is a wide variety of course offerings to choose from, allowing a student maximum experiences, in a variety of activities. Physical Education courses MAY ONLY BE TAKEN ONCE, with the exception of Circuit Training, Advance Weights and Weight Training. **PE does not meet NCAA course requirements. PE shirts are required ($7.00), shorts are available to purchase ($8.00).Students must provide their own personal combination lock for all PE classes.**

All students will be required to pay the following fees. These fees are for the 2018-2019 school year and are subject to change based on Board approval.

PE FEES

CLASS	FEE
Personal Fitness and Wellness	$15.00
All other PE Classes	$5.00 per class

FITNESS ACTIVITIES 36060
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

Students will be actively engaged in a variety of different activities and games. Activities will include, but are not limited to, various types of aerobic and anaerobic movement, cardiovascular exercises, circuit training, team and individual activities, as well as fitness testing.

RACQUETS 36120
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

This course will introduce pickle ball, tennis, table tennis, badminton, eclipse-ball, and other racquet sports. Assessment over skill development, rules, and terminology will be emphasized.

TEAM SPORTS 36300
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

Students will be actively engaged in with a variety of team-oriented sports. Such sports may include but are not limited to basketball, volleyball, flag football, soccer, lacrosse, softball, etc.

WEIGHTS 36600
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

This class is designed as an introduction to basic free weight training. Proper lifting techniques, spotting, and safety are emphasized.

ADVANCED WEIGHTS 36610
Prerequisite: Weights or Teacher Approval
Grades 10-12
One Semester – ½ Credit

This class is specifically geared to condition the student to participate in high school athletics. Additional free weight lifts will be emphasized to develop the entire muscle. This class is designed for the student who is interested in increasing personal strength, power, or quickness. This class is designed for the serious competitor or athlete.

CIRCUIT TRAINING 36630
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

Students wanting a physically challenging class that will target muscular and cardiovascular endurance should take this class. Various types of weight bearing exercises will be included.

APPLIED PERSONAL FITNESS AND WELLNESS (Required) 36780
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

The purpose of this activity-based course is to (a) enable students to extend and apply their knowledge of the five fitness components: cardiovascular fitness, muscular strength, muscular endurance, flexibility and body composition; (b) design, implement, and evaluate a personal fitness program; and (c) understand the influence of lifestyle choices on health and fitness.

TECHNOLOGY ENGINEERING

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

The FMHS Technology Engineering Program is a hands-on, research based program with an emphasis on design and problem solving skills. Based on national standards that emphasize skill development in a technology-rich environment, these courses combine hands-on skill for motivated and creative young minds. Skills learned are based on careers and education that are vital to each student's future. Safety and use of machines and power hand tools will be covered in most of these courses. All classes are open to Grades 10-12. **Technology courses do not meet NCAA requirements.**

All students will be required to pay a $20.00 per class fee. These fees are for the 2018-2019 school year and are subject to change based on Board approval.

COMPUTER COMMUNICATIONS/TECHNOLOGY 37022
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

This course will help students better understand computer and program availability and use. The class will provide an introduction to the basics of image editing, along with interactive use of many other programs including 3D graphics, Animation, Movie Making and many other programs available to the students. Students will design logos, create Animations, explore sound manipulation, and much more. This is the class for the creative computer person.

INTRODUCTION TO DESIGN A 37051
Prerequisite: None
INTRODUCTION TO DESIGN B 37052
Prerequisite: Successful completion of Part A
Grades 10-12
Two Semesters – 1 Credit

Introduction to Design is the second level course on the engineering track (Introduction to Technology Engineering Education) and focuses on utilizing the design process to explore the idea of innovation. Students will develop strong Computer Aided Drafting (CAD) skills through 3D modeling with Autodesk Inventor software. Classroom tasks and assignments are intended to develop the student's ability to work in a team environment, use technology in support of research and formal presentations and enhance communication skills through the development of detailed drawings meeting manufacturer's requirements for production.

AEROSPACE ENGINEERING 37086
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

Students will research, design, and build projects based on the varied aspects of Aerospace Industry. This class will cover various forms of propulsion used in Rocketry, Hot Air Balloons, Planes, Gliders, and other forms of flight. Designs and projects will be based on individual interests, research, and creativity. Students will learn about Aerospace and Aerodynamics through simulation programs and by building projects that they research and design.

ROBOTICS ENGINEERING 37095
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

Robotics is an industry that is constantly growing and expanding. In this class students will research, design, and build projects based on the field of robotics. Projects will include various forms of Robotic Fingers and Hands, End Effectors, Faces, and the actual construction of a Hydraulic or Electronic Robot. Students will learn about Pneumatics, Hydraulics, Electronics and Mechanical Design along with basics in Control and Programming by designing and building robotic systems. Power and Hand Tool Use and Safety will be a priority of this class.

ARCHITECTURAL DESIGN 37130
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

What will your dream home look like? In this course students will research, design, and build models of their dream home. We will look at all the cool new gadgets that are now available for the modern home and students will learn about both modern and alternative forms of house construction. A construction and marketing simulation program will be used to demonstrate the process of building and selling your home. This course will cover techniques of basic technical drawing. Students will learn building techniques by producing scale models of their house design. Power and Hand Tool Use and Safety will be a priority of this class.

ADVANCED STUDIES 37150
Prerequisite: 2 Technology Courses with grade of B or above. Instructor approval
Grades 11-12
One Semester – ½ Credit

This course is for the student to advance in an area of interest covered in earlier Technology Engineering courses. Power and hand tool use and safety will be covered in this course. Students will research and design projects in their area of interest that will be approved for construction by the teacher. Students must write their goals and objectives, track all research, and establish a time frame for projects and evaluation criteria for instructor approval. **Students will be required to attend class on a regular schedule.**

APPLIED ENGINEERING A 37163
Prerequisite: Successful completion of Intro to Design A and B
APPLIED ENGINEERING B 37164
Prerequisite: Successful completion of Applied Engineering A
Grades 11-12
Two Semesters – 1 Credit

A course that helps students develop an understanding of the field of engineering/engineering technology and use the engineering design process to solve problems. Exploring simple machines, electricity, electronics, and computer control systems provides a foundation of 21st Century skills that will be used in the building and programming of computer controlled machines to solve specific challenges. These activities help students learn how engineers and technicians use math, science and technology in a team environment to develop, build, program and test solutions to everyday problems.

FMHS AGRICULTURE EDUCATION

Program of Study

9th Grade
Introduction to Agriculture A & B

Agricultural Science Pathway	Natural Resources & Sustainable Agriculture	Agriculture Mechanics Pathway
	10th Grade	
Ag. Biology A & B Equine Science	Hort. Landscape	Welding I Ag. Construction Power & Machinery
	11th Grade	
Animal Vet. Science A Ag. Internship	Wildlife Management Equine Management Ag Leadership Ag Internship	Ag. Construction Welding II Power & Machinery Ag. Internship
	12th Grade	
Ag. Internship Employment CMU Plant & Animal	Natural Resource/Outdoor Rec. Ag. Leadership Ag Business	Advanced Project Ag. Construction Ag. Internship
	High School diploma	
Employment	**College Education**	**Specialized Educ**.

These are suggested pathways for agriculture students. For specific questions regarding classes and individual needs please see the agriculture department before your schedule deadline.

All students will be required to pay a class fee of $25.00 per class except for Welding (see description below). Students will be encouraged to be involved in leadership activities through the FFA. FMHS Ag Department is a Tech Prep program. Articulated college credit is available for some classes.

All students will be required to pay the following fees. These fees are for the 2018-2019 school year and are subject to change based on Board approval.

AG FEES

CLASS	FEE
Ag Biology	$15.00
Ag Welding I & II	$40.00 per class
All other agriculture classes	$25.00 per class

FMHS AGRICULTURE COURSES

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

AG BIOLOGY A 37241
Prerequisite: None
AG BIOLOGY B 37242
Grade 10-12
Two Semesters – ½ Credit Each

Agriculture Biology is the study of the characteristics of livings organisms in an agricultural setting. Through class discussion and laboratory investigation the student will explore the relationships of life forms. The intent is to form a foundation for additional science courses and serve as the prerequisite for further science study. All students will benefit from the study of biology in their further study of agriculture. This course is aligned with all other core biology classes. In addition it is accepted as a life science biology by post-secondary institutions.

AG WILDLIFE SCIENCE 37255
Prerequisite: Biology
Grades 11-12
One Semester – ½ Credit

This course of study focuses on wildlife biology. Topics will include: wildlife identification, anatomy and physiology and life cycles. In addition, aquaculture for raising aquatic animals will be included. Students will also report on current issues facing wildlife management. Class time will be divided between classroom instruction, laboratory experiences, guest speakers as well as field trips.

GREENHOUSE MANAGEMENT/LANDSCAPE DESIGN 37260
Prerequisite: None
Grades 10 -12
One Semester – ½ Credit

This course is a study of the basic fundamentals of plants and soil science. They will learn the basic processes and advantages to raising plants hydroponically. Students will study insect and weed pests and the biological and chemical control of these pests. Emphasis will be on the horticulture industry as it pertains to greenhouse production, nurseries, turf grass management, floriculture landscape design and sprinkler system and landscape construction. Class time will be divided between classroom instruction and laboratory experiences in the biotechnology lab & greenhouse. **Does not meet NCAA requirements**

ANIMAL SCIENCE 37270
Prerequisite: Biology
Grades 10-12
One Semester – ½ Credit

This course is designed for students interested in animal production and the study of animals and related health careers. Areas of study will include: livestock production, nutrition, reproduction, diseases, and behavior. In addition, medical records, terminology, instrument care and identification will be covered. Laboratory will include small and large animal care and handling, vital signs, anatomy, pharmacology and radiography. This course meets the life

science elective requirement. **Does not meet NCAA science requirements.**

OUTDOOR RECREATION AND NATURAL RESOURCES 37421
Prerequisite: None
Grades 11-12
One Semester – ½ Credit

This course combines the science of natural resource management and how it relates to outdoor recreation. The course will consist of how natural resources are managed for the public use and the issues facing future development of the City, State and National park systems. Instruction will be divided between classroom instruction, hands-on activities, and field trips. **Does not meet NCAA requirements**

EQUINE SCIENCE 37320
Prerequisite: Biology
Grades 10-12
One Semester – ½ Credit

A science approach to the Equine industry, breeds, selection, form to function, care and management, soundness, health, reproduction, feeding and facilities will be studied. Students will also study evolutionary and behavioral characteristics of the horse as it relates to facilities and training. This course meets the life science elective requirement. **Does not meet NCAA science requirements**

AG LEADERSHIP 37321
Prerequisite: Exploring Agriculture A & B and Teacher Approval
Grades 10-12
One Semester – ½ Credit

This class is for students who are interested in premier leadership, personal growth, and career success. Projects in the class will be focused on leadership lessons that are developed around FFA Chapter work. Students will be involved in community projects to promote agriculture awareness as well as teamwork and communication activities that promote personal growth.

AG WELDING I 37340
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

This course consists of basic skill development in shop safety, blue print reading, arc welding, oxy-acetylene welding and cutting, plasma arc cutting, brazing, and MIG welding. Class time will be divided between laboratory and classroom instruction.

AG WELDING II 37342
Prerequisite: Successful completion of Welding I
Grades 11-12
One Semester – ½ Credit

This course is designed for those students interested in continuing their welding skills in practice and methodology. Emphasis will be to select and build a project in metals using the industry welds and skills learned in welding. Students will be expected to purchase materials themselves for their final project in addition to the class fee. In addition, field trips to manufacturing and

fabrication plants in the area will take place when the opportunity is available.

AG POWER & MACHINERY 37350
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

This course will consist of the theory and maintenance of the internal combustion engine. Students study proper vehicle maintenance, principles of electricity as it relates to electric starters, alternators and batteries. Students will learn how to properly maintain trailer wheel bearings and wire trailer lights. Students study the basics of hydraulics and how to rebuild hydraulic cylinders. Students will study safety, maintenance and the fundamentals of operation and calibration of basic farm machinery. Class time will be divided between shop laboratory time and classroom instruction.

AG CONSTRUCTION 37360
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

This course offers a study of the basics of various aspects of the construction industry. Students will learn how to set up a transit, establish a grade, square a building, and shoot a property line. Students will learn how to properly estimate, form, mix, pour and finish concrete. Students will learn the basics of electrical wiring circuits, and will draw up the blue prints. Finally, students will learn how to frame, roof & finish small buildings. Class time will be divided between laboratory and classroom instruction.

AG ADVANCE PROJECT CONSTRUCTION 37370
Prerequisite: Welding II or AG Construction
Grades 11-12
One Semester – ½ Credit

Students will select a major shop project or projects in the area of wood construction, metal construction, or engine restoration and repair. Students will develop advanced skills in project planning, estimating, design, and construction. The project may be governed by the availability of space in the shop environment. Class time will be largely hands on in the shop.

AG BUSINESS MANAGEMENT 37381
Prerequisite: Completion of 2 math credits
Fulfills Financial Literacy Requirement
Grade 11-12
One Semester – ½ Credit

This course offers an overview of the basics of running small personal business. The nature of agribusiness, human relations in agribusiness, verbal and written communication, selling and salesmanship, advertising, business procedures and records, personal growth and management in agribusiness will be discussed. This course meets the personal financial literacy graduation requirement.

AG INTERNSHIP 37420
Prerequisite: Instructor Approval
Grades 11-12

This class is for juniors and seniors completing the Ag program. It consists of onsite observation and training in an agribusiness specific to the agricultural area of study of that student. This class will aid in confirming current educational and career goals and in obtaining hands-on experience. The student will be responsible for transportation to and from the placement site. Student must be able to document a minimum of sixty on site hours and schedule two instructors on site visitations.

CMU AGRS 100 CROP PRODUCTION 39840
Prerequisite: GPA 3.0 and score of 17 on the Reading portion of the ACT.
Grade 12

This course is a college level treatment of crop production. Topics include production and adaptation of cultivated crops, growth, development, and use of crops. Emphasis will be placed on crops grown in the western region of the United States. This course will count for both high school credit(.5) and college credit(3 + 1 for lab). **See page 71 for additional information regarding books, tuition, and fees.**

CMU AGRS 105 ANIMAL SCIENCE 39842
Prerequisite: GPA 3.0 and score of 17 on the Reading portion of the ACT.
Grade 12

This is a college level treatment of animal science. Topics include the fundamentals of livestock production, principles of breeding, genetics, nutrition, health, and the physiology of cattle, sheep, swine, dairy, and horses. The course will focus on the Animal Science Industry in general and each species industry in regard to history, current trends, and future expectations. This course will count for both high school credit(.5) and college credit(3). **See page 71 for additional information regarding books, tuition, and fees.**

VISUAL ARTS

All students will be required to pay the following fees. These fees are for the 2018-2019 school year and are subject to change based on Board approval.

ART FEES

CLASS	FEE
AP STUDIO ART	$35.00 per class
All other art classes	$20.00 per class

Art classes do not meet NCAA course requirements.

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

ART I 38000
Prerequisite: None
Grades 10-12
One Semester – ½ Credit

This is a survey course that offers opportunities for fundamental work in 2D and 3D art processes and techniques. Art history is also included. ***This course is a prerequisite for all other art courses***. Creativity and originality will be emphasized. Because the work for this class is done during the actual class time, good attendance is necessary to insure student success.

DRAWING AND PAINT I 38060
Prerequisite: Art I
Grades 10-12
One Semester – ½ Credit

Drawing/Painting I allows students to advance their drawing and painting skills learned in ART I. Students will use a variety of drawing and painting mediums. Students will gain inspiration through artist investigations and art history. Students will use their own observations and combine multiple references to create original artworks. Students will grow as an artist through assessment and critique. Because the work for this class is done during the actual class time, good attendance is necessary to insure student success.

DRAWING AND PAINT II 38080
Prerequisite: Drawing and Painting I
Grades 10-12
One Semester – ½ Credit

Students will advance their drawing and painting skills from Drawing and Painting 1. Students will get an opportunity to take on more challenging mediums. Students will begin to develop their own student voice and artistic style. Students will continue to develop technical skills while experiencing new unique styles of art. Originality, creativity and conceptual art are highly emphasized. Students will gain inspiration by artist investigations and grow further through assessment and critique. Because the work for this class is done during the actual class time, good attendance is necessary to insure student success.

MIXED MEDIA 38150
Prerequisite: Art I
Grades 10-12
One Semester – ½ Credit

This class is for both 2D and 3D students who like to use a variety of media to create their art. Students will learn both 2D and 3D techniques and use them in experimental ways to create their work. Photography can be used in several of these processes. Because the work for this class is done during the actual class time, good attendance is necessary to insure student success. Creativity and originality are emphasized.

CERAMICS I 38100
Prerequisite: Art I
Grades 10-12
One Semester – ½ Credit

This class is for the student who likes to create 3 dimensional pieces with clay. The student will be introduced to the use of clay for both functional and non-functional purposes. Students will build and then finish their pieces with glazes, underglazes, and paints. Because the work for this class is done during the actual class time, good attendance is necessary to insure student success. Creativity and originality are emphasized.

CERAMICS II 38120
Prerequisite: Ceramics I
Grades 10-12
One Semester – ½ Credit

In this class the student will take what they learned in Ceramics 1 and apply it to more advanced projects. They will also add new finishing techniques (raku, smoke firing, and stannous drop) to their repertoire of ceramics skills. New building techniques will be introduced as well. The emphasis is on creativity, self-expression, experimentation, and originality. Because the work for this class is done during the actual class time, good attendance is necessary to insure student success. Group projects may be included.

ADVANCED CERAMICS 38140
Prerequisite: Ceramics I and Ceramics II
Grades 11-12
One Semester – ½ Credit

In this class the student will take what they learned in Ceramics 2 and apply it to more advanced projects. They will also add a new finishing technique (saggar firing) to their repertoire of ceramic skills as well as have time to experiment with what they learned about smoke firing and raku firing. The students will research new ceramic techniques and apply one to their work. The emphasis is on creativity, self-expression, experimentation, and originality. Because the work for this class is done during the actual class period, good attendance is necessary to insure student success. Group projects may be included.

3-D DESIGN 38180
Prerequisite: Art I
Grades 10-12
One Semester – ½ Credit

This class is for the student who likes to create 3 dimensional pieces with a variety of materials. Students will use additive, subtractive, and manipulative sculpture techniques to build their pieces. Because the work for this class is done during the actual class time, good attendance is necessary to insure student success. Creativity and originality are emphasized. Group projects may be included.

PHOTOGRAPHY I 38240
Prerequisite: Art I
Grades 10-12
One Semester – ½ Credit

This class allows students to learn the technical and creative skills used in fine art photography. Through a hands-on approach, students will learn how to use their cameras and strengthen their images. From click, to edit, to print, students will create original images that show creativity and content. Students will have the opportunity to be enriched by looking at master photographers and grow as a photographer through assessment and critique. A Point and Shoot camera or DSLR camera, 3 megapixel or higher resolution, is required for this course. The school is unable to provide cameras for student use. Questions/types of cameras outside requirement may be allowed with teacher approval (no camera phones). Because the work for this class is done during the actual class time, good attendance is necessary to insure student success.

PHOTOGRAPHY II 38250
Prerequisite: Photography I and Teacher approval
Grades 11-12
One Semester – ½ Credit

This class builds on Photography I, allowing students to further their learning in fine art/commercial photography. Through a hands-on approach, students will learn how to further enhance their skills using their cameras through advanced techniques. Students will strengthen their images through creating content driven photographs and series. Students will grow as a photographer through assessment and critique. A DSLR camera, 3 megapixel or higher resolution, is required for this course (no camera phones). Because the work for this class is done during actual class time, good attendance is necessary to insure student success.

ADVANCED ART(AP Art Studio Time) 38040
Prerequisite: Teacher/Dept. Approval and signature, 3 Art Classes
Grades 11-12
One Semester – ½ Credit

This course is designed for serious students who are planning on taking or are currently enrolled in AP Studio Art. This course allows for extended studio time and a focus toward skills and concepts needed in AP Studio Art. Demonstration of artistic growth is expected. Creativity, originality, and self-expression are required. See Mrs. Widhammer to get signed up for AP Art first and then to get approved for this class. Because the work for this class is done during the actual class time, good attendance is necessary to insure student success.

ADVANCED PLACEMENT STUDIO ART A 38301
Prerequisite: Teacher Approval, 3 Art Classes
ADVANCED PLACEMENT STUDIO ART B 38302
Prerequisite: Teacher Approval, 3 Art Classes
Grades 11-12
Two Semester – ½ Credit Each

This course is designed for students who are seriously interested in the practical experience of art. They will be working towards completing artwork for one of the three AP Art portfolios: 2D, 3D, or Drawing. Students will need to work outside of the classroom, as well as in class. In AP Studio Art A the focus will be portfolio requirements and creating artwork to meet those requirements, and in AP Studio Art B the focus will be the continued creation of artwork and portfolio preparation for submission. Portfolios will be submitted in May for an evaluation. An AP fee is required. College Credit may be earned if the portfolio passes. Final Grades of A's, B's, & C's will be weighted for the purpose of determining GPA. AP Art A & B may be taken 2 consecutive years, with the student submitting a portfolio each year for evaluation. OR they may choose to work at completing a portfolio/s over the 2 year period for submission their senior year. It is recommended that a student take both AP Studio Art A & B each year, whether submitting a portfolio or not. See Mrs. Widhammer if you have any questions about AP Art and to get teacher approval. Because the work for this class is done during the actual class time, good attendance is necessary to insure student success.

ADVANCED PLACEMENT ART HISTORY A 31581
Prerequisite: none
ADVANCED PLACEMENT ART HISTORY B 31582
Prerequisite: Successful completion of AP Art History A
Grades 11-12
Two Semesters – ½ Credit Each

Does Humanities, History or Art interest you? Try AP Art History!
Explore art through the ages! AP Art History is a rigorous but fun course that looks at art from Global Pre-history to Global Contemporary. Explore major forms of artistic expression including architecture, sculpture, painting and other media from across a variety of cultures. Learn about the purpose and function of art as you develop your ability to articulate visual and art historical concepts in verbal and written form. Explore works of art in person and virtually, through observation, discussion, reading, and research. Learn to critically analyze works of art within diverse historical and cultural contexts, considering issues such as politics, religion, patronage, gender, and ethnicity. **AP Art History is designed to be the equivalent of a two-semester introductory college or university art history survey course. May be used as an English elective or a Fine Arts credit.**

PLEASE CONTACT THE FRUITA MONUMENT HIGH SCHOOL ART TEACHERS IF YOU HAVE ANY QUESTIONS ABOUT OUR ART PROGRAM AT 254-6628
OR EMAIL Mrs. Sturrock at Nicole.Sturrock@d51schools.org or Mrs. Widhammer at Tammie.Widhammer@d51schools.org
We would be happy to talk to you about what the Fruita Monument High School Art Program has to offer!

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

ORCHESTRA

All students will be required to pay a $15.00 per class fee. These fees are for the 2018-2019 school year and are subject to change based on Board approval. Performing arts classes do not meet NCAA course requirements.

CONCERT ORCHESTRA 38940
Prerequisite: None
Grades 10-12
Two Semesters – ½ Credit Each

This course is open to all string players (violin, viola, cello and string bass). This course is designed to develop string-playing techniques and develop individual student's musicianship, which is needed to be a member of the Orchestra. Emphasis in this class will be placed on string orchestra ensemble playing. Performances outside of class are part of this course and attendance is required as part of the grade. Members will need to purchase or rent concert attire. **Full year participation is encouraged**.

Note: Because of its historical significance, sacred and/or patriotic music is occasionally performed in this class. Members electing not to participate in works of this nature will be required to complete alternative assignments as determined by the director.

CHOIR

All students will be required to pay a $15.00 per class fee. These fees are for the 2018-2019 school year and are subject to change based on Board approval. Students may also be required to rent/purchase concert attire for performances ($25.00-$100.00).

Note: Because of its historical significance, sacred and/or patriotic music is occasionally performed in this class. Members electing not to participate in works of this nature will be required to complete alternative assignments as determined by the director.

Performing Ensembles- All Choir classes are open to all students and all grades.

WOMEN'S CHORUS 38570
Prerequisite: None
Grades 10-12
Year Long – 1 Credit

This choir is for treble voices only. No previous choir experience is necessary! Students are able (and encouraged) to take this choir for the full year. Members learn various skills to develop and improve their musicianship including proper singing technique, how to read music, and the basics of music theory and history. This choir performs four required concerts per year. Members are provided other performance opportunities such as Solo/Ensemble Contest and various state and regional honor groups. This choir performs at contests and festivals. Grades are based on rehearsal attendance, participation, and music reading progress as well as written

and performance-based assessments. Members will need to rent concert attire.

ADVANCED WOMEN'S CHORUS – "Las Cantantes" 38601
Prerequisite: Teacher approval via audition.
Grades 10-12
Year Long – 1 Credit

This choir is for women only. This ensemble will continue the growth of students' skills as a musician. Musical repertoire will be of an intermediate difficulty and include a wide variety of genres including jazz, pop, and classical. Special emphasis is placed on music reading, aural skills, and vocal technique. This choir performs four required concerts per year. This ensemble will additionally perform in the local community. This choir performs at contests and festivals. Grades are based on rehearsal attendance, participation, and musical literacy, musicianship as well as written and performance-based assessments. Members will need to rent concert attire.

MEN'S CHORUS 38580
Prerequisite: None
Grades 10-12
Year Long – 1 Credit

This choir is for lower range voices only. No previous choir experience is necessary! Students will learn various skills to develop and improve their musicianship including vocal technique, how to read music, and the basics of music theory and history. This choir performs four required concerts per year. Students are provided other performance opportunities such as Solo/Ensemble Contest and various state and regional honor groups. This choir performs at contests and festivals. Grades are based on rehearsal attendance, participation, and music reading progress as well as written and performance-based assessments. Members will need to rent concert attire.

MONUMENTAL SINGERS 38612
Prerequisite: Teacher approval via audition.
Grades 10-12
Year Long – 1 Credit

This choir, also known as Monumental Singers, is for advanced singers (men and women) desiring to perform high caliber choral music. Members learn various skills to improve their musicianship including proper singing technique and the basics of music theory and history. This choir performs in at least four required concerts per year as well as clinics, contests, festivals throughout the state, and community performances. Members are provided other performance opportunities such as Solo/Ensemble Contest and various state and regional honor groups. This ensemble performs at contests and festivals. Grades are based on rehearsal attendance, participation, and music reading progress as well as written and performance-based assessments. Members will need to purchase or rent concert attire.

SHOW CHOIR 38590
Prerequisite: Teacher approval via audition, must be in one other choir all year at the same time.
Grades 10-12
Year Long – 1 Credit

This group consists of 10th – 12th graders chosen by audition by the director from Women's Choir, Men's Choir, Las Cantantes and Monumental Singers. The group performs a variety of

music and dance styles. This class does include extra time outside of class and is considered to be co-curricular. There will be a show choir camp before school starts in the summer, which is required for all members and a part of the total grade for the class. This choir performs in at least four required concerts per year, and will be required at times to perform in the community and possibly in competitions. Outfits for this choir are purchased by each member and can range from $100 - $200, including dresses and character shoes for the women and matching vests and dance shoes for the men. Fundraising can help with these purchases. Please only plan to audition for show choir if you are truly committed to what is written above.

ACTING FOR SINGERS 38785
Prerequisite: None
Grades: 10- 12
Year Long – 1 Credit

This is a class in which students develop singing technique, prepare songs for a variety of audition circumstances, select appropriate material, and ascertain a comprehensive understanding of casting and audition protocol. Students will refine their professional image and expand their musical repertoire. This class will help students gain confidence for real-world situations.

BAND

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

All students will be required to pay the following fees. These fees are for the 2018-2019 school year and are subject to change based on Board approval.

BAND FEES

CLASS	FEE
Marching Band	$30.00 Class Fee $25.00 Band Camp Students will also be required to have marching band attire including, but not limited to: shoes ($25-$30*) gloves ($5-10*) beret ($5-10*) and pay travel costs for competition. *Estimated costs/Total Approx. $250.00 Color Guard uniform/equip ($80-$120*)
Symphonic Band	$15.00
Wind Ensemble	$15.00

AP MUSIC THEORY A 38531
Prerequisite: Students must have permission of the instructor and a strong musical background in Band, Choir, Jazz, Orchestra or Piano. Student must be able to read music at the "basic" level.
AP MUSIC THEORY B 38532
Prerequisite: Successful completion of AP Music Theory A
Grades 10–12
Two Semesters – ½ Credit each

Students will explore notation, scales, terminology, chords and chord progressions. Melody writing, harmonization and some orchestration will also be covered. The final project in this

class is a musical composition that is shared with the class. Band fee does not apply to this course.

MARCHING BAND 38810
Prerequisite: Maintain current eligibility requirements
Grades 9-12
One Quarter – ½ Credit

Marching Band membership is composed of winds, percussion, and color guard. The marching band is open to all students; prior marching experience is not needed. Wind players must have prior band experience. All members of the marching band wind section, and color guard must enroll for this class during the fall term. This band performs for local parades, civic functions, football games, competitions, and pep rallies. Participation in festivals and some travel will be a part of this class. Major emphasis in this class is on the preparation of performances. Attendance at rehearsals and public performances outside of class time are part of this commitment and as such are required as part of the grade. This class will meet after school Monday, Tuesday, Thursday, and Friday from 3:15 to 5:30 to maintain flexibility in the student's schedule. This class requires a $15.00 uniform cleaning fee.

SYMPHONIC BAND 1 (Semester 1) 38830
Prerequisite: maintain current eligibility requirements
SYMPHONIC BAND 2 (Semester 2) 38835
Prerequisite: maintain current eligibility requirements
Grades 10–12
Two Semesters – ½ Credit Each

This course is designed to further the students' knowledge and skill levels acquired in previous band experiences. Strong emphasis will be placed on the development of individual skills. Further, this class will focus on the fundamental knowledge of music theory and music history necessary for individual development as a musician. Rehearsals, performances, and travel outside of class will be a part of this course and are required as part of the grade. This band performs at concerts and festivals.

DRUMLINE 38860
Prerequisite: Maintain current eligibility requirements
Grades 9–12
One Semester – ½ Credit

Drumline membership is composed solely of percussionists and functions as the drumline of the Marching Band. Prior marching experience is not needed. All members of the drumline must enroll for this class as well as Marching Band during the fall term. This group performs as part of the marching band for local parades, civic functions, football games, competitions, and pep rallies. Participation in festivals and some travel will be a part of this class. Major emphasis in this class is on the preparation of performances. Attendance at rehearsals and public performances outside of class time are part of this commitment and as such are required as part of the grade. **(You must also sign up for Marching Band 38810 to be in Drum line).**

WIND ENSEMBLE 38870
Prerequisite: Pass audition, and enrolled in a band class in the fall & spring
Grades 10–12
Two Semesters – ½ Credit each

This is a small, select group of advanced musicians. Instrumentation will be limited to one player on a part and is available only by audition. This course is designed to further the students' knowledge and skill levels acquired in previous band experiences. Strong emphasis will be placed on the development of individual skills. Further, this class will focus on the fundamental knowledge of music theory and music history necessary for individual development as a musician. Rehearsals, performances, and travel outside of class will be a part of this course and are required as part of the grade. This band performs at concerts and festivals.

JAZZ BAND 38880
Prerequisite: Pass audition and be enrolled in Marching Band or Symphonic Band or Wind Ensemble in the fall and either Symphonic Band or Wind Ensemble in the spring. Members must have 1 full credit of high school band (9th grade Concert Band, Marching Band, Symphonic Band, Wind Ensemble or combination of the three) before auditioning. Must meet and maintain current eligibility requirements. Special circumstances: Students who play only piano, guitar or electric bass must meet with the instructor concerning previous band experience.
Grades 10–12
Year Long – 1 Credit

The jazz program at Fruita Monument High School functions as an enrichment experience for those students desiring to further their knowledge of music. It is not a replacement for the other band experiences. Emphasis is on literature, styles, history and theory as it applies to the "Big Band Jazz" idiom. Public performances, travel, festivals and rehearsals outside of class time may be part of this course and are required as part of the grade. **This course will meet during our Zero hour (6:30 – 7:15 A.M. daily) in order to maintain flexibility in the student's schedule.**

JAZZ BAND II 38890
Prerequisite: Teacher approval; and be enrolled in Marching Band or Symphonic Band or Wind Ensemble in the fall and either Symphonic Band or Wind Ensemble in the spring. Meet and maintain current eligibility requirements.
Grades 10–12
One Semester - ½ credit

This course is designed for students either new to the Jazz idiom or to prepare them for zero hour Jazz Band. The jazz program at FMHS functions as an enrichment experience for those students desiring to further their knowledge of music. It is not a replacement for the other band experiences. The emphasis is on literature, styles, history, and theory as it applies to the "Big Band Jazz" idiom. Public performances, travel, festivals and rehearsals outside of class time are a big part of this course and are required as part of the grade.

FAMILY AND CONSUMER SCIENCES

All students will be required to pay the following fees. These fees are for the 2018-2019 school year and are subject to change based on Board approval.

FAMILY AND CONSUMER FEES

CLASS	FEE
Prostart	$25.00 per class
Food Science I & II, Culinary Nutrition	$25.00 per class

Foundation Knowledge | Natural Resources | Business/Management | Health/Public Safety
Human Services/Education | Science, Technology, Engineering and Math | Skilled Trades/Services

Family and Consumer Family courses do not meet NCAA course requirements.

FOOD SCIENCE I 37510
Prerequisite: None
Counts as a Science Elective Credit
Grades: 10-12
One Term – ½ Credit

This course is designed to teach physical science concepts as they relate to cooking, food safety and nutrition. This is accomplished through completion of textbook assignments and lab experiments. Because of the hands on nature of this class, consistent attendance is necessary for success.

FOOD SCIENCE II 37520
Prerequisite: Food Science I
Counts as a Science Elective Credit
Grades: 10-12
One Term – ½ Credit

This course is a continuation of Food Science I and requires the knowledge and understanding of scientific principles taught in it. This is accomplished through completion of textbook assignments and lab experiments. Because of the hands on nature of this class, consistent attendance is necessary for success.

LIFE MANAGEMENT 37560
Prerequisite: None
Fulfills Financial Literacy Requirement
Grades: 11-12
One Term – ½ Credit

This course is designed to prepare students to use decision making to manage financial and consumer resources to meet personal and family goals. Topics include finding and keeping a job, selecting an apartment, checking account management, handling credit, buying and maintaining a car, becoming a smart consumer and keeping healthy through nutrition. This is accomplished through classroom activities and assignments. Because of the hands on nature of this class, consistent attendance is necessary for success.

RELATIONSHIPS 37590
Prerequisite: None
Grades: 10-12
One Term – ½ Credit

This course is designed to gain skills for building effective family and professional relationships. Topics include communication skills, friendship, dating, marriage, family patterns and challenges families may face. This is accomplished through classroom activities and assignments. Because of the hands on nature of this class, consistent attendance is necessary for success.

CHILD AND ADOLESCENT DEVELOPMENT 37600
Prerequisite: None
Grades 10-12
One Term – ½ Credit

This class is designed to teach students how humans develop from prenatal through adolescence, physically, emotionally, mentally, and social. Students will study a variety of current best parenting practices for optimal child development and parenting challenges. This is accomplished through classroom activities and assignments, including the Real Care Baby simulator. Because of the hands on nature of this class, consistent attendance is necessary for success.

CULINARY NUTRITION 37625
Prerequisite: None
Grades: 10-11 Only
One Semester – ½ Credit

This class is a prerequisite for ProStart, the Hospitality Restaurant Management class with Culinary embedded.

The purpose of this course is to develop lifelong, healthy, and nutritious food choices and cooking techniques. Emphasis is placed on implementing healthy nutritional choices, preparing whole nutrient dense foods, exploring careers related to culinary nutrition, and practicing wise consumer decisions.

PROSTART 1 37636
Prerequisite: Culinary Nutrition or teacher approval
Grades 11-12
Semester 1 Block Class – 1 Credit

PROSTART 2 37638
Prerequisite: ProStart 1
Grades: 11-12
Semester 2 Block Class – 1 Credit

ProStart is a college prep, business management program focusing on the hospitality, culinary arts, food service and lodging industry. The curriculum is written by the National Restaurant Association with input from industry professionals. This nationally certified program is a competency based study of food preparation, lodging, customer service and business management coupled with 1+ years of mentored industry work internships in a broad spectrum

of operations. Up to 6 University credits are offered through Metro State University for completion of this course.

ProStart 1 and 2 are offered every year. ProStart Level 1 will be first semester for two periods and ProStart Level 2 will be offered second semester for two periods. Students need to sign up for both Level 1 and 2. Students may enter the program as a junior or a senior, but to be a completer in the program they need to pass both levels, pass the Level 1 and Level 2 final exam with a 70% or better and do 400 hours of an internship program. Students have the opportunity of taking the test for the National ServSafe Manager certification for food safety and sanitation which gives them an opportunity for quick employability.

Students that are enrolled are strongly urged to be dues paying members of the Fruita Monument Chapter of FCCLA (Family, Career and Community Leaders of America). Successful participants in the program will have the opportunity to compete in the ProStart Invitational Competitions and the FCCLA State Leadership Conference and apply for the many industry scholarships.

INTERNSHIP AND WORK EXPERIENCE COURSES AT FMHS

For Career Exploration Experiences

These internship and work experience courses are available to 11th and 12th grade students for the purpose of providing learning experience in the workplace related to career pathway interests. Internships may be paid or unpaid and are intended to enhance student learning and to assist in setting goals and plans for after high school.

FMHS strongly recommends that students maintain work and internship experiences at a level that compliments school learning. Weekly hours should be kept at a manageable level for students to be able to maintain adequate time for course work and activities.

AG INTERNSHIP 37420
Prerequisite: Teacher Approval
Grades 11-12

This class is for juniors and seniors completing the Ag program. It consists of on-site observation and training in an agribusiness specific to the agricultural area of study of that student. This class will aid in confirming current educational and career goals and in obtaining hands on experience. The student will be responsible for transportation to and from the placement site. Student must be able to document a minimum of sixty on site hours and schedule two instructors on site visitations. Instructor approval must be obtained in advance before signing up for this course.

BUSINESS WORK EXPERIENCE (Work Program) 35860
Prerequisite: Teacher Approval
Grades 11-12

This program is designed to give students work experience in a business area and to help students develop workplace skills.

CAREER INTERNSHIP 39050
Prerequisite: Counselor or Internship Coordinator Permission Required
Grades 11-12

This class is designed to encourage students to explore and expand their career interests in a related profession or workplace. The interns are required to conform to Workplace Standards that require proficiency in communication skills, organizational skills, thinking (reasoning) skills, demonstration of effective worker qualities, and technology skills. The intern will work with the Internship Coordinator to find suitable and relevant placements. Students may earn .5 an elective credit for each 60 hours of work completed in one semester. A maximum of two (2) elective credits may be earned toward graduation with this class. An intern must not be related to their supervisor. Letter grading is utilized.

JOB SHADOW
Grades 11-12
None Credit

Students can observe an employee for a short period of time, usually a few hours or weeks, to gain insight into a career. After this, if students so choose, they can participate in an internship.

AIDES

Students may not use aide positions as course selections during registration for the next year's classes. Students desiring to aide for a teacher may do so upon their return in the Fall. <u>It is the student's responsibility to make arrangements with a teacher to aide and get the appropriate signed paper work from the teacher.</u>

Teacher Aides, Counseling Aide, Office Aide 39100 (TA)
Grades 11-12

Media Aide 39150 (TA)
Grades 11-12
One Term – ½ Credit

The ability to meet the following expectations and requirements:

- Be a junior or senior with a GPA of at least 2.75
- Follow all student handbook policies and procedures
- Come to class prepared and on time
- Have no unexcused absences for this class
- Be able to maintain the confidentiality associated with this class
- Come prepared with outside work for "down time"
- Have a "student aide pass" visible at all times when out of the classroom
- If running an errand, it is important to return promptly, with no **"wandering"** and/or **visiting** with other students along the way
- Abide by any further teacher expectations
- Realize that failure to follow these rules can result in the loss of the position as student aide, and the loss of credit associated with the position.
- If you go into an aiding position in the middle of the semester or quarter it will count as volunteer hour's only-not credit.
- Grading will be a Pass or Fail. Position may be taken for credit or volunteer hours.

SPECIAL COURSE WORK

STUDENT SENATE A 39001
Prerequisite: Elected to school office
STUDENT SENATE B 39002
Prerequisite: Elected to school office
Grades 10-12
Two Terms Possible – ½ Credit Each

This course is designed to improve the effectiveness of student government. This course focuses on the role of the Student Senate and assists student leaders in fulfilling their responsibilities. Participation based on elected office. Students must undergo an interview to remain in Student Senate 2nd semester.

JUNIOR LEADERSHIP CORPS A 39021
Prerequisite: Teacher Approval
JUNIOR LEADERSHIP CORPS B 39022
Prerequisite: Teacher Approval
Grades 10-12
Two Terms – 1 Credit

The JLC curriculum offers leadership, civics, geography and global awareness, health and wellness, language arts, life skills, and US History. The curriculum is based on the principles of performance learning, learner centered education and promotes development of core abilities: capacity for life-long learning, communication, responsibility for actions and choices, good citizenship, and respectful treatment of others, and critical thinking techniques. This program contains Community Leadership and Ambassadorship expectations, including ceremonial performances in Drill, Flag, and Ambassadorship.

JUNIOR SEMINAR 39035
Prerequisite: none
Grade 11 only
One Term – ½ Credit

Students learn to identify their personal strengths, weaknesses, and interests, to research career clusters, pathways (workplace, military, college) and colleges/tech schools, and to reflect on which careers and training opportunities are their "best fit". Besides creating a personal, detailed and viable career plan, students will create a financial plan that includes financial goals, an independent living budget, handling taxes, and a scholarship search. Students will also learn how to find and keep a job. In addition, students will participate in SAT math and language arts prep work.

TUTOR MENTOR 39045
Prerequisite: Counselor approval
Grades 11-12
One Term – ½ Credit

This program gives students the opportunity to work side by side with an elementary or middle school teacher in a classroom setting. Arrangement for placement with classroom teachers will need to go through the program coordinator in the Counseling Center.

RELEASE 39215
Prerequisite: Counselor approval
Grades 11-12
None Credit

Students who did not fail any classes the previous term, who have higher than a 2.0 G.P.A, and are on track to graduate, may have a release from taking a class. These students are to be in the library or off campus during their release. They must fill out the required paperwork and turn it in to their counselor. **Releases may only be taken at the beginning or end of the day**.

PEER TUTOR 39280
Prerequisite: Teacher and counselor approval
Grades 11-12
One Term – ½ Credit

The peer tutor course option at FMHS is offered to juniors and seniors. A peer tutor provides

assistance to students, who need help in understanding the material. Students who need assistance may be tutored in all courses. Peer tutors are in support of learning success for students and are in direct contact with those needing help and support. Grading is A-F for a .5 elective credit (per quarter or semester).

Student Requirements:

- Junior or senior standing
- At least a B grade in the area being tutored
- Record of good attendance and dependability
- Must have previously taken the class you are tutoring for

Student Responsibilities:

- Daily attendance in assigned classroom
- Carry out instructional assistance as given by supervising teacher
- Conversations and information about students must be kept confidential

COLLEGE CREDIT OPTIONS

During the past four years, District 51 has greatly increased high school course offerings that provide our students with the opportunity to begin their College Pathway while still enrolled within District 51. These opportunities include:

- **International Baccalaureate** (IB) Program at PHS open to all students across the district;
- **Advanced Placement** (AP) Program offered at all District 51 high schools;
- **Concurrent Enrollment** Program offered at to all qualified District 51 high schools students in grades 10-12 through Western Colorado Community College
    - **High School Scholars** Program provides students college credit while remaining on their high school campus.
    - **Early Scholars** Program allows qualified students to enroll in college courses on the CMU or WCCC campuses.
    - **Technical Scholars** Program allows students attending one of WCCC's high school Career and Technical Education (CTE) programs to earn college credit.
    - **ASCENT** Program is a special program that provides funding for qualified students to enroll at CMU as "5th year seniors". Students must be on track to graduate and have earned at least 12 college credits. See your counselor for details.

With the history of programs described above, District 51 has made a financial commitment to meeting the needs of our students pursuing their post-secondary options while enrolled in high school. Additional budget challenges continue with expected decreases in State Funding, increase in college tuition rates, and decrease in the COF (College Opportunity Funds) that help off-set District 51 expenditures for the Concurrent Enrollment Program.

With economic challenges across the district and state, District 51 must examine how resources and revenues are utilized to support these opportunities. On-campus programs offered within our district high schools include IB, AP, and HS Scholars. These programs allow the district to utilize revenue to support our students on their home high school campus while working toward their post-secondary options. Tuition has been equalized between the High School Scholars and Early Scholars courses providing students opportunities to earn college credit when and where it is best for them.

QUALIFIYING CRITERIA

- Students must be enrolled in high school and have sophomore, junior, or senior standing.
- Students must have a GPA of 3.0 and meet the appropriate qualifying test score:
    - For any English course ACT English = 18+ SAT Reading = 470 Verbal
    - For any Math course ACT Math = 19+ SAT Math = 500
    - For any other course ACT Reading = 17+
- Before registering for a specific course, students must fulfill the prerequisites listed in the current Colorado Mesa University Catalog.
- All students wishing to become concurrently enrolled at CMU/WCCC must be enrolled in high school and must submit the following to WCCC:
    - CMU/WCCC Admission Application – Select application type 4
    - WCCC Concurrent Enrollment Form
    - Official high school transcripts (sent directly from the high school)
    - Qualifying ACT-SAT test scores
    - Proof of two measles, mumps & rubella vaccinations
    - Students must purchase any required textbooks identified for the course
    - Payment of fees is due to CMU/WCCC by the published deadline for that term

If there are any questions during this process please call the WCCC Office of Admissions at

255-2670.

CONCURRENT 39372

- Students can enroll in one or two courses per academic term. The district will pay the tuition for up to 2 classes per term.
- A student's parent or guardian is responsible for payment of all additional costs to the college.
- Students must reimburse the school district for any course in which the student earns a grade of D, F or W.
- Course choice must be approved by your high school guidance counselor or official and be appropriate for your individual career and academic plan(ICAP).

HIGH SCHOOL SCHOLARS

In a joint venture with Western Colorado Community College and District #51, seniors can receive WCCC and high school credit for taking these courses. They will be taught at FMHS by our teachers, who have met the criteria established by Colorado Mesa University. The courses offered will be in the areas of math, English, science, and agriculture. **School District #51 will pay student tuition for students receiving grades of C or better. Students receiving less than a C must reimburse the school district. Students will be responsible for buying their own text books and all related student fees.**

College Courses offered at FMHS:

ENGL 111/English Comp I 39810
ENGL 112/English Comp II 39812
MATH 113/College Algebra 39830
AGRS 100/Prac. Crop Prod 39840
AGRS 105 Animal Science 39842

DEVELOPMENTAL STUDIES
Grade 12

This course is for students who have not met the requirements of an ACT score of 19 or SAT 500 in math. This class will be taught at FMHS by CMU approved FMHS faculty. This course will only be offered in math. Students who take this course will receive high school credit and it will be put on their college transcript but are not transferable to other colleges. The school district will pay tuition for this course. Students are responsible for purchasing required textbooks. The purpose of this course is to prepare students to score high enough on the Accuplacer so they can enroll in college level courses. **Does not meet NCAA course requirements.**

MATH 090 - Introductory Algebra I 39824
MATH 091 – Introductory Algebra II 39825

Career Center

The Career Center is structured to meet the career training needs of secondary school students. Emphasis will be given to 10th through 12th grade students who request a career training alternative allowing them to gain job-entry level skills in combination with the educational program at their home school.

Mod 1: 7:40-9:30AM Mod 2: 9:35-11:20AM Mod 3: 12:30-2:20PM

Academic instruction, which includes Key Train and Work Keys assessments, is an integral part of every vocational program. A goal of the Career Center is for every student to achieve a minimum Level 3 (Bronze), Work Keys Certificate of Competency in Reading for Information, Applied Math, and Locating Information. Advanced students may be eligible for college credits and/or industry certifications.

Opportunities at Career Center include:

Computer Technologies	Construction
Sport Vehicle Repair	Culinary Arts Prep
Culinary Arts Restaurant	Early Childhood Professions
Ornamental Horticulture	Healthcare Occupations
Small Animal Care	

The Career Center works closely with each home school because students are transported back and forth between the two campuses. The Career Center should be viewed as an extension of the high school campus by offering technical training to students in a lab setting.

COMPUTER TECHNOLOGIES
Location: Career Center **3 Credits/year**
Times: Mod 1, 2 and 3

In this class we will develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues. This class also introduces computer repair and computer tune-up procedures. Students must have successfully completed Math 1 prior to enrollment in our Computer Technologies course. **1st year students will earn 2 elective credits and 1 computer tech math credit. Returning students will earn 3 elective credits per year**.

CONSTRUCTION TECHNOLOGY
Location: Career Center **3 Credits/year**
Times: Mod 1, 2 and 3

Learn to use power drills, hammers, and saws and how to build a house! Students will obtain many skills in the construction field, including the proper care and use of hand tools and power equipment, shop safety, types of building materials, related applied mathematics, measuring, blueprint reading, framing and roofing. Students complete projects ranging from doghouses to a 1,800 square foot, $200,000+ home. **1st and 2nd year students will earn 2 elective credits and 1 construction math credit. 3rd and 4th year students will earn 3 elective credits per year.**

CULINARY ARTS - Prep
Location: Career Center **3 Credits/year**
Times: Mod 1 ONLY

Do you like to cook? Do you like working with people? The Culinary Arts program gives students experience working with the public in a licensed, school-based restaurant. Students operate and maintain the kitchen and dining room. Prep students are involved in food preparation and baking for the restaurant (COYOTE CAFÉ) and catering. **1st year students will earn 2 elective credits and 1 culinary prep math credit. 2nd year students will earn 2 elective credits and 1 culinary prep science credit. 3rd year students will earn 3 elective credits.**

CULINARY ARTS - Restaurant
Location: Career Center **4 Credits/year**
Times: Mod 3 ONLY
Mod 3 Culinary Restaurant Times: 12:30-2:20PM (Mondays) and 11:00AM-2:20PM (Tuesdays-Fridays)

Do you like to cook? Do you like working with people? The Culinary Arts program gives students experience working with the public in a licensed, school-based restaurant. Students operate and maintain the kitchen and dining room. Restaurant students do line cooking and serve customers, as well as catering. **1st year students will earn 3 elective credits and 1 culinary restaurant math credit. 2nd year students will earn 3 elective credits and 1 culinary restaurant science credit. 3rd year students will earn 4 elective credits.**

EARLY CHILDHOOD PROFESSIONS
Location: Career Center **3 Credits/year**
Times: Mod 1, 2 and 3

Do you like working with young children? Then we have a fun class for you! This program combines direct experience of working with young children (3-4 years old) in a licensed preschool (CPP) *with* academic instruction in safety, child development, parenting, careers in early childhood, nutrition, snack preparation, first aid, health, and curriculum planning. Advanced students may be eligible for placement at a training work site in a preschool, childcare center or other related business in the community. **1st year students will earn 2.5 elective credits and .5 English elective credit. 2nd year students will earn 2.5 elective credits and .5 early childhood math credit. 3rd and 4th year students will earn 3 elective credits.**

ORNAMENTAL HORTICULTURE
Location: Career Center **3 Credits/year**
Times: Mods 1, 2 and 3

Do you want to learn about growing, caring for plants and running a small business? Do you want to sample the food you actually grow? This class offers an introduction to Horticulture and Greenhouse management. Our goal is that the student will develop entry level job skills in Floral, Greenhouse management, and landscape maintenance following the seasonal operations of our onsite greenhouse and floral shop. Hands on activities include growing herbs, vegetables, annual and perennial plants along with creating floral items, caring for the school campus plants, and running the shop! Students will explore business management, marketing and sales, customer service, basic safety, growing media and nutrition, applied plant science, propagation, greenhouse automation, community leadership and stewardship. **1st year students will earn 2 credits of electives and 1 Horticulture math credit. 2nd year students will earn 2 elective credits and 1 Horticulture science credit. 3rd and 4th year students will earn 3 elective credits.**

HEALTHCARE OCCUPATIONS
Location: Career Center **3 Credits/year**
Times: Mod 1 and 2

Healthcare Occupations Pathway I offers students who are interested in pursuing a career in medicine an opportunity to investigate many different health career fields. The course will not only explore the anatomy and physiology of the human body and common diseases and disorders affecting each system, but also provides some of the core knowledge required to enter various fields of study. Students will be introduced to basic entry level skills that can be used in various health occupations including vital sign acquisition, medical terminology and entry level technical skills that will begin preparing them to enter those fields. Mentoring and shadowing experience in various medical fields will help expose the students to what is available in the healthcare field. Becoming CPR/First Aid certified is our goal for each student. **Students will earn 2 elective credits and 1 math credit in the 1st year of study.**

HEALTHCARE OCCUPATIONS
Location: Career Center **3 Credits/year**
Times: Mod 3 only

Healthcare Occupations Pathway II offers students a chance to continue their journey and exploration of patient care skills and knowledge as well as honing of the procedures already practiced. Instruction in the second year will build upon the vocabulary, concepts and practical hands-on skills learned in Healthcare Occupations I. Nutrition, growth and human development, ethics, legal responsibilities, healthcare delivery systems and medical documentation will be explored. Job shadows and internships may be available to advanced students. As the medical field grows, there is a need for more support staff in hospitals, doctor's offices, clinics, ancillary departments, rehab centers and related areas. This course will allow them to explore these fields more in depth. Students will be able to get hands-on experience performing the tasks common to each field within the healthcare industry. In addition to CPR/First Aid certification there is an opportunity for the student to take their PCP (Personal Care Provider) Certification. **Students will earn 2 elective credits and 1 science credit in this 2nd year of study**.

SMALL ANIMAL CARE
Location: Career Center **3 Credits/year**
Times: Mod 1 and 2, Second year students Mod 3

Do you like to work with animals? This class introduces students to skills necessary for small animal kennels, animal day care facilities, pet stores and animal clinics. The topics of study include small animal management, animal ethics and law, small animal assistant skills, veterinary terminology and career development. Students will participate in off campus field trips to veterinary clinics, specialized veterinary clinics, boarding kennels, humane societies, pet stores, animal breeder, feed stores, local groomers and other sites related to the class curriculum. **1st year students will earn 2 credits of electives and 1 small animal math credit. 2nd year students will earn 2 elective credits and 1 small animal science credit. 3rd and 4th year students will earn 3 elective credits.**

SPORT VEHICLE REPAIR
Location: Career Center **3 Credits/year**
Times: Mod 1 and 2, Second year students Mod 3

Do you want to learn how change oil and spark plugs, rebuild carburetors and repair all kinds of small vehicles and machinery? This program consist of three levels; Basic, Intermediate and Advanced + (Master Service Technician). The course will cover the fundamentals of all four cycle engine operation, hands-on training in performing complete overhauls of four stroke L-heads and OHV engines (Briggs & Stratton) including diagnostics and failure analysis. Students will also learn major repair of frame and suspension components and general repair of most small engines including lawn mowers, chain saws, water vehicles, motorcycles and ATV's. . All students will receive a Briggs and Stratton technician account and access to Briggs and Stratton Power Portal. Students who demonstrate proficiency in the above will be invited to join Career Center's "Formula High School-Race to Learn". **1st year students will**

earn 2 credits of electives and 1 sport vehicle math credit. 2nd year students will earn 2 elective credits and 1 sport vehicle science credit. 3rd students will earn 2 elective credits and 1 additional sport vehicle math credit.

Technical Scholars approvals for Career Center 2017-2018

Approval has been granted to the following Career Center instructors to offer college credit through the Technical Scholar program at WCCC. Advanced students must meet program requirements in order to earn college credit.

Course Dept & Number	Credits	Course Title	Instructor	Program
EDEC 101	3	Introduction to Early Childhood Education	Deborah Neill	Early Childhood Professions
EDEC 102	3	Introduction to Early Childhood Lab Techniques	Deborah Neill	Early Childhood Professions
EDEC 116	3	Infant/Toddler Theory and Practice	Deborah Neill	Early Childhood Professions

Course Dept & Number	Credits	Course Title	Instructor	Program
CONC 116	3	Building materials	Mike Wells	Construction

Course Dept & Number	Credits	Course Title	Instructor	Program
CUAR 101	1	Food Safety & Sanitation	Jackson Oviatt	Culinary Arts

Please note: Our academic strands are taught though out the courses. We award the credit in this fashion simply to help us keep track and have a standard method. If needed, we can distribute the academic credit at any time. For example, if the student needs science vs math in the first year we can make that adjustment. This in no way compromises the academic integrity. It does help us to know before the credit is awarded as we make the change in the gradebook. If it is after the fact we can adjust the transcript though course history

WESTERN COLORADO COMMUNITY COLLEGE

A Division of Colorado Mesa University
High School Course Offerings

The following career and technical education programs are coordinated through Western Colorado Community College (WCCC) for the benefit of students in Mesa County Valley School District #51, Colorado Mesa University and the community. **Bus transportation is available from the area high schools to almost all of the technical education programs**.

THE CAREER & TECHNICAL EDUCATION ADVANTAGE

Study and skills training in technical education courses can achieve:

- Preparation for direct entry into work after high school with increased occupational choices and opportunities for career growth
- Preparation and pathways to post-secondary two or four year programs at the college or university level with some programs offering transferable college credits
- Specific occupational skills
- Employability skills
- Improved options for employment to earn money for continued education of choice
- College credit is available in all programs for qualifying students through the Technical Scholars program. Tuition is $25 per college credit hour.

All WCCC programs offer equal enrollment opportunities for both males and females.

ENROLLMENT AND REGISTRATION PROCESS
High school students who want to enroll in a technical program at WCCC may do so through their high school counselor. Students are required to complete a WCCC application (available in high school counseling offices or at WCCC) and arrange for an interview with the program instructor to confirm enrollment. This interview can be arranged by contacting the WCCC Student Services or the program instructor and must be completed prior to the first day of class.

Priority for program enrollment is given to current or continuing students with satisfactory program performance and to seniors and juniors.

All programs are one year in length.

Western Colorado Community College
2508 Blichmann Avenue
Grand Junction, CO 81505
(970) 255-2670

Year Long Career and Technical Education Programs
for High School Students

Bus service from CHS, FMHS, GJHS and PHS

Program	Lab Fees†	Possible High School Credit per year‡	MODULE/CLASS TIMES*		
			7:35-9:25	9:35-11:25	12:25-2:15
Computer Network Technology	$21	2 electives & 1 Math	X	X	
Culinary Arts	$76	3 electives	Yr 1	Yr 2	Yr 1
Digital Design	$21	2 electives & ½ Fine Arts & ½ English Elective	X	X	X
Electrical Technology	$21	3 electives		X	
Machining Technology	$21	2 electives & 1 Math	X	X	X
Marketing Education	$21	1 elective, ½ English Elective/Comp 11, ½ Speech & 1 Math	X	X	X
Medical Preparation *Student must provide their own transportation for job shadowing*.	$106	1 elective, 1 Science Elective, & 1 English Elective	X	X	X
STEM Discovery	$21	1 elective, 1 Science, & 1 Math	X	X	X
Transportation Services Technology	$21	1 elective, 1 Science Elective & 1 Math	X	X	X
Welding Technology	$21	2 electives & 1 Math	Yr 1	Yr 1	Yr 2

‡ Academic Credits are earned by meeting specific course competencies. Please see your high school counselor regarding how these credits work with your graduation requirements.
*** Class times subject to change.**
† Lab fees may be adjusted. Students also participate in program related clubs/organizations, dues are $20. Technical Math course is available to students enrolled in the WCCC Machining, Welding, Technology Integration, Process Systems Technology & Transportation Services programs. Students attending other WCCC programs will be admitted on an individual basis with prior approval.

TO ENROLL:

All WCCC Programs require a completed application and an interview with the appropriate WCCC instructor before enrollment can be considered. Contact your high school counselor or WCCC Student Services at 255-2670.

Due to travel time, students attending WCCC will be eligible for only one release and/or study hall each semester in order to remain a full-time student.

COMPUTER NETWORKING TECHNOLOGY
Class Fee: $21
2 Elective Credits/year
1 Math Credit/year
Recommended Academic skills: Basic computer skills with good reading and language comprehension.

Join the exciting, rapidly changing field of Information Technology and the internationally accredited Cisco Certified Networking Academy. Students learn the fundamentals of PC technology including computer hardware and software skills needed to meet the growing demand for entry-level Information and Communication Technology (ICT) professionals.

CULINARY ARTS
Class Fee: $76
3 Elective Credits/year

The Culinary Arts program trains people interested in developing professional food preparation and management skills. Food safety, introduction to culinary arts as well as beginning cooking courses are part of the curriculum of culinary arts. Students earn college credit and can further their culinary career at WCCC.

DIGITAL DESIGN
Class Fee: $21
2 Elective Credits/year
½ Fine Arts Elective Credit/year
½ English Elective Credit/year
Recommended Academic Skills: Solid reading, basic math, art, and computer skills.

Digital Design introduces students to the fields of visual imaging and storytelling. You will learn the skills needed to realize your creative ideas through script writing, drawing and story-boarding, pre-visualization and graphic design, 3D modeling and layout, video production and special effects.

Students also learn team building and leadership skills as well as problem solving and critical thinking needed to start a journey into the world of making creative content. *College Credit may be earned.*

ELECTRICAL TECHNOLOGY
Class Fee: $21
3 Elective Credits/year

The curriculum incorporates courses in building materials, estimating, planning and scheduling, installations, codes, safety, tools, calculations, and print reading. Classroom and lab work are designed to meet competency-based standards set by the industry.

MACHINING TECHNOLOGY
Class Fee: $21
2 Elective Credits/year
1 Math Credit/year
Recommended Academic Skills: Solid reading, writing and math skills.

This course is designed to meet competency-based standards set by industry; it prepares students for entry level placement in a wide range of manufacturing jobs. Students learn blueprint reading, geometric dimensioning and tolerancing, general machining, CNC machining, process planning, inspection process planning, maintenance, computer aided drafting/computer aided manufacturing (CAD/CAM) and technical math.

Classroom instruction is integrated with related lab work on project-based activities using tools and equipment found in industry. *College Credit may be earned.*

MARKETING
Class Fee: $21
2 Elective Credits/year
½ English 3 or English Elective Credits/year
½ Communication or English elective Credits/year
1 Math Credit/year
Recommended Academic Skills: Good understanding of algebra, excellent, reading, comprehension, and writing skills.

Students learn marketing, business management, and finance in 22 different areas including: sports and entertainment; restaurant management; advertising and multimedia; fashion and merchandising; accounting and financial applications; and hospitality and hotel management.

Students have the opportunity to work with real businesses to improve their bottom line and prepare actual advertising campaigns that companies can use. *College Credit may be earned.*

MEDICAL PREPARATION
Class Fee: $106
1 Elective Credits /year
1 English Elective Credits/year
1 Science Elective Credits/year
Recommended Academic Skills: Strong science background, basic math, and language skills.

This program prepares students for a career in healthcare. Students learn medical terminology, human growth and development, ethics, first aid, CPR, basic anatomy and physiology, infection control and safety, and the effects of wellness and illness across the lifespan.

In the spring semester students can choose clinical studies including Certified Nursing Assistant, Veterinary Assistant or Emergency Medical Responder. Clinical experiences and job shadowing in the community requires students to provide their own transportation to clinical sites. *College Credit may be earned.*

STEM DISCOVERY
Class Fee: $21
1 Elective Credits/year
1 Physical Science Elective Credit/year
1 Math Credit/year
Recommended Academic Skills: Basic computer skills with good math, reading and language comprehension.

Science, Technology, Engineering and Math (STEM) are important elements in our countries economic sectors. From energy production to engineering, and infrastructure to manufacturing, STEM careers are in demand. Science –Students explore the sciences of chemistry used in industrial and commercial processing and the applied physics utilized in advanced manufacturing of various commodities. Technology - Utilizing computer-based tools for an integrated approach students learn modeling, simulation, design, operation, control and management, and well as, computer numerical controlled machining and print reading. Engineering – Elements include electronic instrumentation, remote sensing, computer aided design/computer aided manufacturing CAD/CAM used in architectural, mechanical and civil engineering and design. Mathematics is presented in an applied model with relevance to the real-world application in the fields of study of technology careers.

TRANSPORTATION SERVICES TECHNOLOGY
Class Fee: $21
1 Elective Credits/year
1 Physical Science Elective Credit/year
1 Math Credit/year
Recommended Academic Skills: solid reading skills, science skills and math skills including fractions, decimals and conversion factors.

Students learn the fundamentals of electronics, starters, ignition and charging systems, and cooling and heating systems. Explore related math concepts, use of technical manuals, basic management skills, communication skills and leadership. This program stresses safety practices. Students learn proper use and care of hand tools and equipment used in the automotive service industry.

Second –year course work is a continuation and in-depth study of internal combustion engine disassembly, repair, reassembly, diagnosis and troubleshooting, suspension systems, alignment and wheel balance. Included are electrical systems and tune-up of late model fuel and emission control systems. *College Credit may be earned.*

WELDING TECHNOLOGY
Class Fee: $21
2 Elective Credits/year
1 Math Credit/year
Recommended Academic Skills: Solid reading, writing and math skills; with willingness to expand technical math skills.

This program offers the opportunity to become proficient at Stick welding, MIG welding, TIG welding, Flux-cored arc welding, Oxyacetylene cutting and welding, and Plasma Arc Cutting. Through classroom lecture and related lab work, students study welding, cutting, layout, fabrication and technical math. A good attitude and quality workmanship is stressed.

This course prepares students for entry-level placement in a wide range of jobs in a variety of fields and is designed to meet competency-based standards set by industry. *College Credit may be earned.*

FEES SCHEDULE
2018-2019

All students will be required to pay the following fees. These fees are for the 2018-2019 school year and are subject to change based on Board approval.

AGRICULTURE: Ag Biology - $15.00
Ag Welding - $40.00 per class
All other agriculture classes - $25.00 per class

ART: Advance Placement Art - $35.00 per class (A & B)
All other Art classes $20.00 per class

BUSINESS/COMPUTER: Computer Applications/Adv Comp. Apps. - $10.00 per class
Computer Communications Technology - $20.00 per class
Media Productions I & II - $10.00 per class

CONSUMER/FAMILY: Prostart - $25.00 per class section (1A, 1B, 2A, 2B)
Food Science I & II, Culinary Nutrition $25.00 per class

ENGLISH: Play Production/Adv. Play Production - $5.00 per class

MUSIC – BAND: MARCHING BAND - $30.00 Class Fee.
Band Camp $25.00.
Students will also be required to purchase marching band attire
Shoes ($25-$30*) Gloves ($5-10*) Beret ($5-10*) etc. and pay travel c
Costs to competitions - *Estimated Costs/Approx. $250.00 total.
Color Guard uniform/equip ($80-$120*) **Estimated Costs*
SYMPHONIC BAND - $15.00 (per year)
WIND ENSEMBLE - $15.00 (per year)

CHOIR: $15.00 per class. Students may be required to purchase or
rent concert attire for performances ($25.00-$100.00).

ORCHESTRA: $15.00 per class.

PE: PE shirts are required ($8.00), shorts are available to purchase ($7.00).
Personal Fitness/Wellness $15.00 per class
All other PE Classes - $5.00 per class

SCIENCE: $15.00 Per class – Anatomy, Ag Biology, Biology, Chemistry, Enviro.
Science, Physics, Zoology, and Geo-Physical.
$15.00 Per class – AP Biology, AP Chemistry, AP Enviro Sci, AP Physics

STUDENT TECHNOLOGY SUPPLY FEE: $17.00

TECH ED: $20.00 per class.

NOTE:
Students that apply and are approved for Free/Reduced Meals for the 2018-2019 school year may request their instructional student fees be waived/reduced. This request must be made separately in the SBA Fees/Fines office and applies only to instructional class student fees.