

CURRICULUM HANDBOOK

2021-2022



District Vision Statement:

Compassionate citizens contributing with knowledge and integrity
to a dynamic world

District Mission Statement:

The Manitou Springs School District is dedicated to
providing a safe and caring environment,
encouraging all students to reach their potential

District Core Values:

Relationships, Deep Learning, Opportunity

Jesse Hull, Principal

Cameron Jones, Athletic Director

Choose Manitou Springs School District

"A World-Class Education in a Public School Setting"

HOW TO USE THIS HANDBOOK

Whether you are new to the high school experience, or a pro at navigating the halls, this course handbook will provide you with an invaluable resource about school academic policy, planning material, and course details that all students should know if they wish to take advantage of everything Manitou Springs High School has to offer.

This handbook is designed in three parts:
The first section: **CAREER PLAN** guides you through the requirements for graduation, and we suggest you complete the four-year plan with your students. Keep this document in a folder and re-examine it at the end of each semester. If your

student's plans change, then change the four-year plan. If not, this will help your student stay focused and on track.

The second section: **GENERAL INFORMATION** covers the academic policies and programs of MSHS. This section provides information and plenty of resources for you to use along your journey.

The third section: **COURSE DESCRIPTIONS** gives a detailed summary of every course offered at Manitou High School. This section is divided by academic area, many of which are the core departments in the high school.

TABLE OF CONTENTS

CAREER PLANNING

**Graduation Requirements
MSHS Electives Chart
Course Sequence Guide
4 Year Plan**

GENERAL INFORMATION

**AP Information
Block System
Credit Recovery
Concurrent Enrollment
CU Succeed
GPA Calculations
Independent Study
Schedule Planning**

COURSE DESCRIPTIONS

**CAREER START PROGRAMS AT PCC
CONSTRUCTION TECHNOLOGY
ENGLISH
ELECTIVE OFFERINGS
MATHEMATICS
COMPUTER SCIENCE
PERFORMING ARTS
HEALTH/PHYSICAL EDUCATION
SCIENCE
SOCIAL STUDIES
TRANSITION
VISUAL and DESIGN ARTS
WORLD LANGUAGES**

**Because of on going changes the most up to date Curriculum Handbook can be found online on the Counseling Corner Website.



CAREER PLANNING

GRADUATION REQUIREMENTS

The total number of credits for graduation from Manitou Springs High School is 54. Credit is granted at the end of each semester. In 2010 the Colorado Higher Education commission changed admission recommendations (HEAR) to include: any of Colorado's four year public colleges or universities could include a recommendation for 4 math classes (algebra 1 level and higher) and 1 or 2 classes of world language depending on the college (must be the same language). If you're planning to take multiple years of a world language, you must take them back to back. *World Language is not a graduation requirement at MSHS.

MINIMUM CREDITS FOR GRADUATION

	Class of 2022+
English	8 Credits
Math	6 Credits
Science	6 Credits
Social Studies	6 Credits
*P.E.	3 Credits
Health & Wellness	1 Credit
Fine Arts / Practical Arts	6 Credits
Electives	18 Credits
Total	54 Credits

*At least 1 of the P.E. credits must be Rec PE, Team Sports, Athletic Conditioning.

***Students must also meet both Math & English CCR from the menu options below in addition to meeting minimum credit requirements.**

HIGHER EDUCATION ADMISSION RECOMMENDATIONS (HEAR)

HEAR Recommended Credits

English 4 Years

Math 4 Years

(must include Alg I, Geometry, Algebra II)

Natural/Physical Science 3 Years

(two units must be lab-based)

Social Sciences 3 Years

(at least one unit of U.S. and World History)

World Language depends on college

Academic Electives 2 Years

*Call Individual Institutions for info.

Manitou Springs High School Menu of College and Career-Ready Demonstrations (CCR)

Beginning with the Class of 2021

SAT: English: 430 Math: 460

Advanced Placement (AP) Exam:

English: 2 or higher on the AP Exam

Courses designated for English demonstration:

AP U.S. History, AP Literature, AP Language, AP Psychology, AP World History, AP Biology

Math: 2 or higher on the AP Exam

AP Computer Science Principles, AP Physics, AP Stats, AP Calculus AB, AP Calculus BC

ACT Career Readiness Assessment

National Career Readiness Certificate:

English: Bronze or higher

Math: Bronze or higher

Concurrent / Dual Enrollment:

English: C- or higher

Math: C- or higher

English- Theatre 105

Math- PPCC-Career Math, PPCC-College Algebra, CU-Succeed Pre-Calculus

Career Start:

1 semester of a C- or better average



COURSE SEQUENCE GUIDE

English: (4 required)

The following is a required sequence for English course selection.

English I ^{Honors}
 English II ^{Honors}
 English III ^{AP}
 English IV ^{AP}

ENGLISH ELECTIVES:

Creative Writing, Poetry, Mythology & The Classics, Pilosophy, Rhetoric and Discourse, Film & Propaganda, Horror Literature

Science: (3 required)

The following is a required sequence for science course selection.

*Physical Science ^{Honors}
 *Biology I ^{Honors}
 Chemistry ^{Honors}
 or Environmental Science or Earth/Space Science

The following are advanced science electives:

AP Biology, Human Anatomy/Physiology, AP Physics, AP Chemistry

*Required for all students

Mathematics: (3 required)

Students are required to complete 3 sections of math and the following is a required sequence for math course selection which will be dependent on which section they begin, and which pathway they chose to pursue. See the MATHEMATICS section for a reference guide to math pathways.

Pre-Algebra
 Algebra I*
 Geometry

Career and Consumer Math(1st semester), Personal Finance(2nd semsester), Algebra II Honors
 Pre-Calc/UCCS Pre-Calc 1050
 AP Statistics
 PPCC Math for Liberal Arts Math 120

AP Calculus A/B and B/C

*Algebra taken in the middle school will not be counted toward HS graduation credits.

Social Studies: (5 required)

The following is a required sequence:

Foundations of Social Studies
 World History ^{AP}
 US History ^{AP}
 American Government (1 sem)
 Economics (1 sem)

The following are advanced Social Studies electives:

AP US History, AP World History, AP Psychology, Sociology

Health/PE: (4 required)

*Health and Wellness

At least one of the PE classes must be: Recreational PE, Athletic Conditioning,

The following are other PE options:

Team Sports, Yoga, Dance

*Required for all students

ADDITIONAL ACADEMIC DEPARTMENTS

World Languages:

Spanish I, II, III, AP
 French I, II, III, IV
 German I, II, III, IV

Performing Arts:

Symphonic Band
 Jazz Ensemble
 String Ensemble
 Orchestra
 Advanced Orchestra
 Music Theory
 Mixed Choir
 Chamber Choir
 Theater Arts
 Tech Theatre
 PPCC Theatre 105
 Capstone Technical Theatre

Visual and Design Arts: Construction Technology:

NOTE: *Foundations of Art is a required prerequisite for all of the art courses. Art courses can be taken in any order.

*Foundations of Art
 Drawing

Digital Arts/Photography
 Metal Smithing, Painting, Printmaking,
 Capstone Art

Cabinet Making & Woodworking
 Construction I
 Construction II
 Capstone Construction

PRACTICAL/FINE ARTS

Students must take 6 credits from any combination of the following areas:
 Construction Technology, World Languages,
 Music, Visual & Design Arts

ELECTIVES

Students must take 18 credits of additional elective credit beyond the 30 credits of core academics and 6 credits of Practical/Fine Arts. These credits may come from any academic area or course.



HOW TO USE A FOUR YEAR PLAN

A 4 year plan is a living document which can be reproduced in any format. It CHANGES as the student's interests change, but it also provides a ROAD MAP for the student to graduation and even beyond.

FOUR YEAR PLAN

GREEN DAY

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1 _____	1 _____	1 _____	1 _____
2 _____	2 _____	2 _____	2 _____
3 _____	3 _____	3 _____	3 _____
4 _____	4 _____	4 _____	4 _____

GOLD DAY

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
5 _____	5 _____	5 _____	5 _____
6 _____	6 _____	6 _____	6 _____
7 _____	7 _____	7 _____	7 _____
8 _____	8 _____	8 _____	8 _____

GENERAL INFORMATION

AP INFORMATION

STAND OUT IN COLLEGE ADMISSIONS:

Deciding to take an AP course lets colleges and universities know that you have what it takes to succeed in an undergraduate environment. When admissions officers see "AP" on your transcript, they know that what you experienced in a particular class has prepared you well for the challenges of college. Taking an AP course is a sign that you're up for the most rigorous classes your high school has to offer.



EARN COLLEGE CREDITS:

By taking an AP course and scoring successfully on the related AP Exam, you can save on college expenses: most colleges and universities nationwide offer college credit, advanced placement, or both for qualifying AP Exam scores. These credits can allow students to save college tuition, study abroad, or secure a second major. AP can transform what once seemed unattainable into something within reach. *See College Board for more information.

BUILD COLLEGE SKILLS:

Taking an AP course builds the skills you'll need throughout your college years. You give your mind a rigorous workout while polishing up your time management and study skills. You also get better at handling challenging issues and problems with the support of your AP teachers. AP courses let you know what to expect during the next phase of your educational journey, and help you build the confidence to succeed.

THE ALTERNATING BLOCK SYSTEM

The block system consists of four ninety minute classes every other day. At the end of the school year, students will have completed eight classes. Credits are given twice per year.

The classes are identified as blocks one, two, three, and four. Blocks one and two are separated by a 25 minute "Advisory" to be used for seeing teachers, ICAP, and assemblies, etc. Students 9-12 have the same 35 minute lunch hour.

STUDENT EXAMPLE:

Green Day	Block 1	Block 2	Block 3	Block 4
	Elective	Biology	Team Sports	Geometry
Gold Day	Block 5	Block 6	Block 7	Block 8
	Elective	English II	Elective Course	World History

CREDIT RECOVERY

If one half (one semester) of a class is failed it can be made up through MSHS on-line program (at a cost of \$150/credit at student/family cost). If a student successfully completes the course with a 60% or higher- the student/family will be reimbursed the \$150 cost of the course by MSSD. If both semesters are failed the class must be retaken in the regular education high school classroom. • No electives, AP or Honors classes are offered on-line. • These courses do not meet NCAA eligibility or higher education requirements.

CONCURRENT ENROLLMENT/CU SUCCEED

University of Colorado Colorado Springs (UCCS) and Pikes Peak Community College (PPCC) and Manitou Springs High School (MSHS) have designed a cooperative program that provides the opportunity for MSHS high school students to earn high school and college credit while attending classes on the high school campus. These classes are offered as part of the regular high school day and are paid for by Manitou Springs School District. Upon satisfactory completion (C or better) of these courses, a student may use these credits toward a degree at the community college or university level in the state of Colorado. Out of state and highly selective colleges will make their own determination as to how these credits are transferred. Students who receive a "W", "WF" or grade of C- and/or lower will be responsible for repaying MSHS the cost of their tuition/fees. Students will receive half the amount of high school credit as college credit per each class.



Off campus concurrent enrollment (CE) courses are limited to students who have exhausted all on campus core class options at MSHS in their anticipated field of study. CE courses taken must align with the student's pathway and must be guaranteed transferable credit. Off Campus CE options are available at PPCC only.

TRANSFER GPA POLICY

Students who transfer to Manitou Springs High School are required to provide transcripts from their previous schools/accredited programs in order to receive transfer credit. Additionally, students (and their previous schools) will be asked to provide documentation of how the student has met the Colorado Graduation Guidelines Menu of Options. Regarding GPA transfer credits, MSHS will honor the same weighted GPAs that MSHS provides on-campus; thus, MSHS transcripts will only recognize weighted GPAs for Honors classes up to a 4.5 as well as Advanced Placement and Concurrent Enrollment courses up to a 5.0 (please see breakdown below). Additionally, transfer credits will be calculated according to the same GPA calculations that MSHS offers on campus (even if these conflict with the previous institution). For example, while the previous institution may distinguish between a 93-96% compared to a 97-100% for GPA calculations, MSHS does not; therefore, any grade of a 93-100% for a regular level course would be weighted as a 4.0. Similarly, even if the previous institution recognizes an 80-89% as a B and is weighted as a 3.0, MSHS distinguishes between a 80-82% as a B- and thus a 2.667, an 83-86% as a B and thus a 3.0, and an 87-89% as a B+ and thus a 3.333. Please see the GPA Calculations chart for more specifics

G.P.A. CALCULATION

Grade	Regular	Honors	AP/ CE
A (93-100)	4	4.5	5
A- (90-92)	3.667	4.2	4.7
B+ (87-89)	3.333	3.8	4.3
B (83-86)	3	3.5	4
B- (80-82)	2.667	3.2	3.7
C+ (77-79)	2.333	2.8	3.3
C (73-76)	2	2.5	3
C- (70-72)	1.667	2.2	2.7
D+ (67-69)	1.333	1.8	2.3
D (63-66)	1	1.5	2
D- (60-62)	.667	1.2	1.7
F (0-59)	0	0	0
PC (50-59)	.5	0	0

Valedictorian/ Salutatorian

To be eligible for Valedictorian or Salutatorian, students must be enrolled at MSHS for the entirety of their 11th and 12th grade year. Final GPA for these awards is calculated from 7 semesters of coursework.

CAPSTONE COURSES

*Capstone- Juniors/Seniors only

The intent of the Capstone Courses is to provide an opportunity for a student to expand his or her interest in a given subject area. Students interested in applying for Capstone should read the rest of this section and then contact the counseling center for additional guidelines.

Capstone is for CTE pathways and must include work-based learning and internship in industry. This program provides a means for 11th or 12th grade students to earn credit while working individually with a teacher and an approved CTE business. Both the student and the teacher must agree on the course content. After agreement has been reached a contract must be signed by a counselor, the teacher, the student, and the student's parents.

ALL CAPSTONE CONTRACTS MUST THEN BE APPROVED BY THE PRINCIPAL.

Student is responsible for transportation to and from work site and must work with supervising teacher to find placement on a PPBEA sponsored site- see teacher for details and counselor for application.



INDEPENDENT STUDY

The intent of the Independent Study program is to provide an opportunity for a student to expand his or her interest in a given subject area, but does not include Career and Technical Education courses (CTE). Students interested in applying for Independent Study should read the rest of this section and then contact the counseling center for additional guidelines.

This program provides a means for 11th or 12th grade students to earn credit while working individually with a teacher. Both the student and the teacher must agree on the course content. After agreement has been reached a contract must be signed by a counselor, the teacher, the student, and the student's parents.

ALL INDEPENDENT STUDY CONTRACTS MUST THEN BE APPROVED BY THE PRINCIPAL.

*All classes must be approved at the time of registration

SCHEDULE PLANNING

The Counseling Department suggests that students discuss with their parents their chosen classes for the next school year. We also suggest that students do long-range planning for their additional high school years. Freshman should be conservative in their selection of classes, and not take more academic classes than they are able to handle at one time.

All schedule changes for the upcoming year need to be made at registration before school starts. If needed, students can request a schedule change the first four days of each term. Students who want to change their schedules after the first four days receive a "W" grade on their transcript. Schedule changes are disruptive to both students and classes, and through careful planning on the part of the students, they can be kept to a minimum.

All students must register for eight classes per year. MSHS does not provide for "part-time" student status. College bound students should plan on taking a minimum of four to five academic classes per year.

Classes are designed to be one year in length unless otherwise specified. Schedule changes may not be approved at semester. Please see withdraw policy below:

*Student may drop a course if they are misplaced in a course that is above or below their academic ability, within the first 4 contact days of class.

*Any schedule changes made after the 5th contact day in a course will receive a "W" Withdraw on their transcript.

*A "WF" Withdraw Fail will be transcribed if a student drops a course after the 6th week in class & the student is failing at the time of the request. Student will earn 0 credit and this will impact GPA.

*A "WP" Withdraw Pass will be transcribed if a student drops a course after the 6th week in class & the student is passing at the time of the request. Student will earn 0 credit.

*Course changes will **not be made** for social reasons or teacher preference.

**The student must complete the proper paper work required to drop a course. No student should assume the request will be approved and jeopardize their grade by not completing assignments in the present class.

*The Schedule Change Form **must be signed** by student, drop and add instructor, counselor and parent / guardian (sometimes as well an administrator) in order for the schedule change to be in effect.

*The counselor will be the **last** to sign off on the form.

*Concurrent Enrollment courses follow separate institution policies - see separate contract for specific Withdrawal of Drop policies.

*Students **CANNOT** drop a course within the last month of a school semester.

*CTE courses cannot be added or dropped at semester.

*Receiving teachers are able to deny schedule changes if class is at max capacity or they feel like it is too late to catch up.

*Students transferring into a class after the 8th week of it starting will audit the course for no credit (NC) and this will go on a transcript.

EARLY GRADUATES

Early Graduation (no earlier than December of senior year) will be determined by students demonstrating adequate progress in 9-11th grade courses. Students who take more than one year of study hall or any other noncredit (NC)

 class are not eligible for early graduation as they will not meet the graduation requirement of 54 total credits. Students will not be approved to take online courses to accelerate their graduation requirements unless under exceptional circumstances. If exceptional circumstances exist and students need to earn an additional credit, Students and families are responsible for the \$325/credit cost (max of 1 credit will be permitted) . Only Administration can approve Early Graduation- Students wishing to explore this option should meet with their counselors as early as possible.

COURSE DESCRIPTIONS

CAREER START

Career Start (formally AVP) Programs offered at PPCC

To be eligible for consideration for AVP Program admittance students must meet the following minimum criteria:

- o Must be a current 10th or 11th grade student.
- o Must be on track to graduate.
- o Must have good attendance record.
- o Must have good behavior record.
- o Must be mature enough to handle a college class/campus environment.
- o Students on a Disability Plan must be able to independently access OASIS (Student Disability Services at PPCC)
- o Desired program must align with post-secondary plan.
- o Must meet college readiness scores (ACCUPLACER or SAT) where applicable per program requirements.
- o Career Start may cancel a course due to low enrollment.
- o Students who fail a course must reimburse Manitou Springs School District 14 for the cost of tuition & fees.

Auto Collision Technology*	Health Career Exploration
Automotive Service Technology*	Health Science Technology
Construction	Zoo Keeping
Criminal Justice*	Vet Technology
Culinary Arts*	Multimedia Graphic Design
Cyber Security*	Broadcasting & Electronic Media
Diesel Power Technology*	Welding
Early Childhood Education	Fire Science Technology

*Indicates a two year program

**Hepatitis B vaccinations or TB Tine vaccination is required for these students prior to clinical experience. The vaccinations are at student expense.

One year programs can only be taken by a 12th grader.

To enroll in the Career Start, contact your high school Counselor.



CONSTRUCTION TECHNOLOGY

CABINET MAKING & WOODWORKING:

Provides an introduction to woodworking skills and basic drafting concepts. The course includes in-depth instruction of hand, power, and stationary tools and thorough instruction on the elements of design, shop drawings, and wood science.

**This class will require a shop fee to pay for materials. *CTE Course*

CONSTRUCTION I:

Prerequisite: Cabinet Making & Woodworking.

This course is an introduction to the basic building materials, components, methods, and sequences in residential construction. It is designed to give students basic, entry-level skills in construction and related trades along with an overview of career opportunities available. Emphasis is placed on safety and the proper use of both hand and power tools. This course provides students the experience of participating in the building of a house along with various woodworking skill-building projects. **CTE Course*

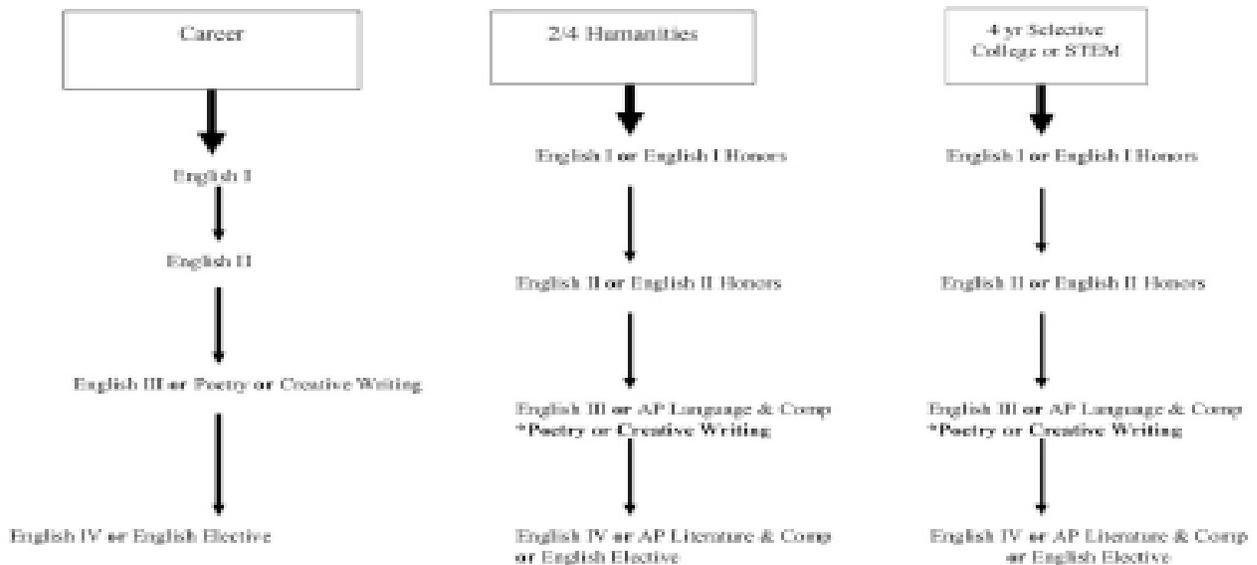
CONSTRUCTION II:

Students narrow their focus and choose a specific trade. Students learn the skills and techniques required of an entry-level professional. Students also might have the ability to start work-based learning that provides an environment to apply the knowledge they've gained over the last few years on an actual job site. **CTE Course*

CAPSTONE CONSTRUCTION: **CTE Course*

ENGLISH LANGUAGE ARTS

English Curriculum Pathways



ENGLISH I:

This course focuses on the study of literary genres and techniques through which the students will develop an understanding of both the structure and the meaning of a work of literature, including literary elements. Students will develop an understanding of how the form of a work of literature affects the meaning of the work and of the process of interpretation of a text. Students will read thoughtfully and purposefully, constantly checking for understanding of the author's intent and meaning in order to determine a sound analysis. Students will also learn how to effectively communicate their thoughts and opinions to others in speech and in writing, in both formal and informal situations, and using grammar and mechanics appropriate to each task, as well as practicing literary analysis strategies and skills appropriate to their level of study.



A typical unit in this course includes both fiction and nonfiction reading selections, media study, poetry, comparing across genres, vocabulary and grammar instruction, speaking and listening, writing and preliminary research, and assessment practice according to the standards, which have been aligned with the Common Core State Standards. Students will have daily grammar and vocabulary instruction and assignments. Students should expect to complete reading, writing, and research outside of class. ***NCAA Approved Course**

ENGLISH I HONORS:

The focus for this class is in self-reflection through literature. So many of people's thoughts, ideas, beliefs, and cultural expectations are formed through the exploration and consumption of literature, from the early childhood stories, to mythical tales, to deeper, complex texts. Authors seek to build discourse through the development of characters, plot, and conflict. Throughout this class, all textual selections will be a source of reflection and relevance. Formal and informal assessment practices, according to the standards, which have been aligned with the Common Core State Standards, are embedded throughout the course.

A typical unit of study includes both fiction and nonfiction reading selections, including the juxtaposition of varied genre, such as primary sources, to fully analyze the focal text. Students will learn how to craft authentic literary analysis and MLA-formatted research papers. Students are expected to develop the practice of literary analysis through the dissection of related choice books. This course is intended to be initial preparation for the AP curriculum of the junior and senior levels, as a foundation for college-readiness.

Summer reading is required. *NCAA Approved Course

ENGLISH II:

Prerequisite: English I

This course focuses on the study of literary genres and techniques through which the students will develop an understanding of both the structure and the meaning of a work of literature. He or she will develop an understanding of how the form of a work of literature, including the use of literary elements, affects the meaning of the work and of the process of interpretation of a text. Emphasis in English II will be placed on group work, oral presentation, and the information gathering of the research cycle for MLA-formatted research papers.

A typical unit in this course includes both fiction and nonfiction reading selections, media study, poetry, comparing across genres, vocabulary and grammar instruction, speaking and listening, writing and/or research practices, and assessment practice according to the standards, which have been aligned with the Common Core State Standards. Students will have daily grammar and vocabulary instruction and assignments. Students should expect to complete reading, writing and research outside of class. ***NCAA Approved Course**

ENGLISH II HONORS:

Prerequisite: English I Honors or English I

Over the course of the semester, students will explore the Human Experience through an analysis of the a variety of literature. Students will read a variety of texts, from historic, primary documents, to plays, from fiction to nonfiction, and even poetry. All of this textual analysis takes students on a quest to discover how authors capture the Human Experience through the nuances of literary elements, and then to practice creating students' own explorations and explanations of what it means to be human. Formal and informal assessment practices, according to the standards, which have been aligned with the Common Core State Standards, are embedded throughout the course.

Focus of study will include both fiction and nonfiction reading selections, including parallel, and simultaneous, analysis of novels related through theme and/or genre. Students will hone their literary analysis through relevant literature analysis, develop their understanding of rhetorical analysis through the analysis of a collection of short stories and novellas, and increase their prowess in MLA-formatted research. Students are expected to deepen their analysis of literature through journaling for choice books. This course is intended to be initial preparation for the AP curriculum of the junior and senior levels, as a foundation for college-readiness.

Summer reading is required. *NCAA Approved Course

ENGLISH III:

Prerequisite: English I and English II.

This is a college-prep class. This course focuses on the study of argument, rhetoric, and composition through which the student will develop an understanding of both the structure and the meaning of a text in a variety of mediums. Reading will center on the American experience. Emphasis in English III will be placed on the writing process, building reading stamina for college, group work, oral presentation, and the information gathering and writing process for research.



This course includes both fiction and nonfiction reading selections, media study, poetry, comparing across genres, vocabulary instruction, grammar instruction, speaking and listening, writing and research workshop, and practice for college readiness assessments, and career literacy. Students will have grammar and vocabulary instruction and assignments. Students should expect to complete reading, writing, and research outside of class. This course is intended to prepare students for college coursework. ***NCAA Approved Course**

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION:

Prerequisite: Successful completion of English I and English II or English I Honors and English II Honors.

An AP English Language and Composition course cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts, and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course should deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations. The course cultivates the rhetorical understanding and use of written language by directing students' attention to writer/reader interactions in their reading and writing of various formal and informal genres (e.g., memos, letters, advertisements, political satires, personal narratives, scientific arguments, cultural critiques, research reports).

Reading and writing activities in the course also deepen students' knowledge and control of formal conventions of written language (e.g., vocabulary, diction, syntax, spelling, punctuation, paragraphing, genre). The course helps students understand that formal conventions of the English language in its many written and spoken dialects are historically, culturally, and socially produced; that the use of these conventions may intentionally or unintentionally contribute to the effectiveness or ineffectiveness of a piece of writing in a particular rhetorical context; and that a particular set of language conventions defines Standard Written English, the preferred dialect for academic discourse.

*Students who earn a qualifying score on the AP exam may earn college credit.

***Summer reading is required.**

*This course is intended to prepare students for the Advanced Placement (AP) exam in Language and Composition.

*This class is intended to prepare students for college coursework at four-year colleges and universities.

***NCAA Approved Course**

ENGLISH IV

Prerequisite: Eng I, II and III.

This is a college-prep class. This course promotes good grammar and mechanics within multiple modes of writing. Students will deepen their understanding of rhetorical analysis, as well as developing their own rhetorical arguments. Students will also engage in an investigation of different genres of literature, through both fiction and nonfiction reading.

This course includes nonfiction reading selections, media study, vocabulary instruction, grammar instruction, speaking and listening, writing and/or research workshop, and assessment practice according to the standards, which have been aligned with the Common Core State Standards. Students will have grammar and vocabulary instruction and assignments. Students should expect to complete reading, writing and research outside of class. This course is intended to prepare students for college coursework. ***NCAA Approved Course**

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION:

Prerequisite: Successful completion of English I, II, and III or AP Language.

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Summer reading is required.

*Students who earn a qualifying score on the AP exam may earn college credit.

*This course is intended to prepare students for the Advanced Placement (AP) exam in Literature and Composition.

*This course is also intended to prepare students for college coursework at four-year colleges and universities.

***NCAA Approved Course**



English Electives

INTRODUCTION TO JOURNALISM:

Prerequisite: None

This course focuses on the language arts skills necessary to write comprehensive journalistic articles using journalistic writing styles. Students will produce stories for publication in the school online newspaper and learn skills applicable to working on a yearbook. Students will study legal and ethical implications in journalism and will also learn a variety of publishing related skills such as marketing and advertising, distribution, and interviewing. This is a general elective, 2-credit class; this is not an English elective class.

NEWSPAPER:

Prerequisite: Introduction to Journalism (or Dept. approval)

This course focuses on the language arts skills necessary to write comprehensive journalistic articles using a variety of writing styles. Students will incorporate photography and news writing for publication in the school online newspaper and yearbook. Students will also learn a variety of publishing related skills such as marketing and advertising, distribution, and interviewing. This is a general elective, 2-credit class; this is not an English elective class. Can be repeated for elective credit.

YEARBOOK:

Prerequisite: Introduction to Journalism (or Dept. approval)

Students in this course are considered senior contributors to student media and the expectations are significantly increased from Intro to Journalism. Students are required to spend time outside of class to attend school functions such as plays, concerts, and sporting events in order to report on and take photos for publications. Occasional “work days” may be required after school or on the weekend in order to meet yearbook deadlines. Students will organize written content for publication and coordinate production of online content. Students will be responsible for successfully developing marketing and advertising plans, increasing distribution, and monitoring journalistic standards. This is a general elective, not an English elective. Can be repeated for elective credit.

CREATIVE WRITING:

Prerequisite: English I or English I Honors and English II or English II Honors.

This course focuses on the skills and art of writing creatively. The focus of this course is to guide students in creative writing through varied genres: fiction, memoir, plays and scripts, and science fiction. The course includes analysis of model texts, individual and class criticism of work in a workshop mode, and instruction on and discussion of literary techniques in each genre. This is a Core elective, 2-credit class; it satisfies English Graduation Credit. ***NCAA Approved Course**

POETRY:

Prerequisite: English I or English I Honors and English II or English II Honors.

This course is designed to build a foundation of the poetic devices (figurative and rhetorical) used by classic and contemporary poets through a literary and rhetorical analysis of poetry, replication of masterful styles, and the thoughtful and purposeful crafting of original poetry (imaginative, personal, and evocative) indicative of the desired theme and style and reflective of appropriate performance (spoken-word) style. This class focuses on the analysis of poetry and the creation of original poetic works. This is a Core elective, 2-credit class; it satisfies English Graduation Credit. ***NCAA Approved Course**

MYTHOLOGY & THE CLASSICS:

Prerequisite - English I or English I Honors and English II or English II Honors

This course focuses on the earliest writing & oral expression of the human experience known as The Classics. Students will read epic poetry, plays, and traditional mythology, which lay the foundation for contemporary literary tropes and schemes. This course will include a study of Greek and Latin roots. Students will connect The Classics and Mythology to their study of more contemporary literature, and they will conduct formal literary analysis as well as studying the rhetorical consequences of this literature on cultural and foundational values. This is a Core elective 2-credit class; it satisfies English Graduation Credit. ***NCAA Approved Course**

PHILOSOPHY, RHETORIC, AND DISCOURSE:

Prerequisite - English I or English I Honors and English II or English II Honors

This course is designed as an introduction to philosophy through topics found in classical philosophical writings, such as the nature of truth and knowledge, mind and body, freedom and determinism, right and wrong, quality of thought, morality and ethics. This course introduces and explores the main principles and methods of Critical Thinking: distinguishing between good and bad arguments; identifying common fallacies;



developing strong and persuasive arguments; the difference between deductive and inductive reasoning; constructing logical proofs; the nature of scientific, moral, and legal reasoning; evaluating polls and statistical hypotheses; understanding probability; deciding how to act under uncertainty. Students will apply these principles and methods to numerous academic and 'everyday' contexts, including journals, the print press, blogs, political rhetoric, advertising and documentaries. This is a Core elective 2-credit class; it satisfies English Graduation Credit.

Students will regularly reflect upon more broadly philosophical matters related to Critical Thinking - such as the nature of truth and objectivity and the distinction between science and pseudo-science - and examine a number of intriguing philosophical paradoxes. Students will improve their skills in writing clear and compelling analytical and argumentative papers and critically analyzing the writings of others. This is a Core elective 2-credit class; it satisfies English Graduation Credit. ***NCAA Approved Course**

FILM & PROPAGANDA:

Prerequisite - English I or English I Honors and English II or English II Honors

This course focuses on the impact of film and cultural propaganda presented in American Popular Culture. Students will analyze selected media including advertisements, debates, speeches, television programming, films and novel-adaptations, and various pieces of writing for the cultural values, traditions, and biases reinforced through the medium. Students will practice analyzing media through literary and rhetorical analysis, including written analytical arguments. This is a Core elective 2-credit class; it satisfies English Graduation Credit. ***NCAA Approved Course**

HORROR LITERATURE:

Prerequisite -English I or English I Honors and English II or English II Honors

This college prep English course teaches the 11-12 grade Colorado State Standards for English through a genre study of Horror, a high interest genre for many students. Students will read, analyze, research, discuss, and create arguments around multiple text types (novel, short story, nonfiction, poetry, film, and series) from a variety of time periods (classic, modern, and postmodern horror). This course will fulfill 1 year of English credit. This is a Core elective, 2-credit class; it satisfies English Graduation Credit. ***NCAA Approved Course**

ELECTIVE OFFERINGS

STUDY HALL:

Prerequisite: None

Pass/Fail with 0 credit and 0 weight

TEACHER CADET 1A:

Prerequisites: 11th grade only, 3.0 cumulative GPA; Must complete the Teacher Cadet Application

Description: Teacher Cadet is a year-long college-level elective course for high school juniors and seniors. This course is designed to provide students with an in-depth look at the profession of teaching. Students study the growth and development of the learner, as well as the historical, social, political, philosophical, cultural, legal, and economic forces that shape the United States' public school system. In addition, students complete a fifty-hour field experience in an elementary or middle school classroom. This course is a concurrent enrollment class through CSU-Pueblo and will be weighted on the 5.0 scale.

PEER TUTORING:

11th and 12th grade students who have a cumulative GPA of 3.0 or higher and have no disciplinary issues can apply to be a Peer Tutor at the high school, middle school, or elementary school. Peer Tutors spend 60% of their block in direct instruction with other students. Peer Tutors will be required to keep a daily journal and submit an end of semester reflection paper to their supervising teacher. Peer Tutors will be graded on a P/F grading scale. Teachers can only be assigned one Peer Tutor per semester. Students interested in being a Peer Tutor must complete an application and interview before enrolling.

SUCCESS SKILLS:

This course is a general tier 2 Intervention and provides students academic and social emotional assistance. Students will learn and develop academic and personal skills associated with successful high school and post-secondary success. Academic monitoring and one-on-one assistance is provided to track students' progress throughout the course. Skills taught throughout the year are study skills, organization, communication, test taking skills, team-work, and collaboration skills, conflict resolution, and goal setting. Students are expected to complete the in-class projects, and will also have time to complete work in this course. Students are placed into this class by the Intervention team.



OFFICE/COUNSELING/MEDIA ASSISTANT:

Prerequisite: 11th/12th Graders only, 3.0 gpa or higher requirement

All assistants will maintain high grades and grade checks will be performed every four weeks. Office assistants will maintain not only a professional appearance, but also a professional demeanor. Office assistants will check their "In Box" for the day's assignments, as well as perform duties as they arise. Office assistants will maintain a high level of integrity and privacy in the office. All information relating to the office and staff or students at Manitou High School is strictly confidential. Duties include: Answer phones, write passes for students that are late, write passes for students that need to leave early, transfer callers to appropriate departments, make copies, retrieve students for counselor and admin meetings, and update marquee with current events.

*Pass/Fail grade/1 credit per semester/0 weight

STUDENT COUNCIL (STUCO):

Student Council is a yearlong course that focuses on the development of leadership skills as well as the planning of social and service events for the school and community. This is a rigorous, co-curricular class that frequently requires participation at out of class activities. While participating in and planning events, students will document their progress in a portfolio with online and written components. Students must complete an application and meet with the adviser prior to registering for the class.

INTRODUCTION TO SPORTS MEDICINE AND ATHLETIC TRAINING:

Prerequisite: Health and Wellness.

This is a class in the science and skill of athletic training. The class will cover human anatomy and how it relates to movement. The diagnosis and treatment of common athletic injuries will be covered. Common taping techniques will be covered and practiced. ***CTE Course**

ADVANCED ATHLETIC TRAINING & SPORTS MEDICINE:

Prerequisite: Health and Wellness, Intro to Sports Medicine and Athletic Training.

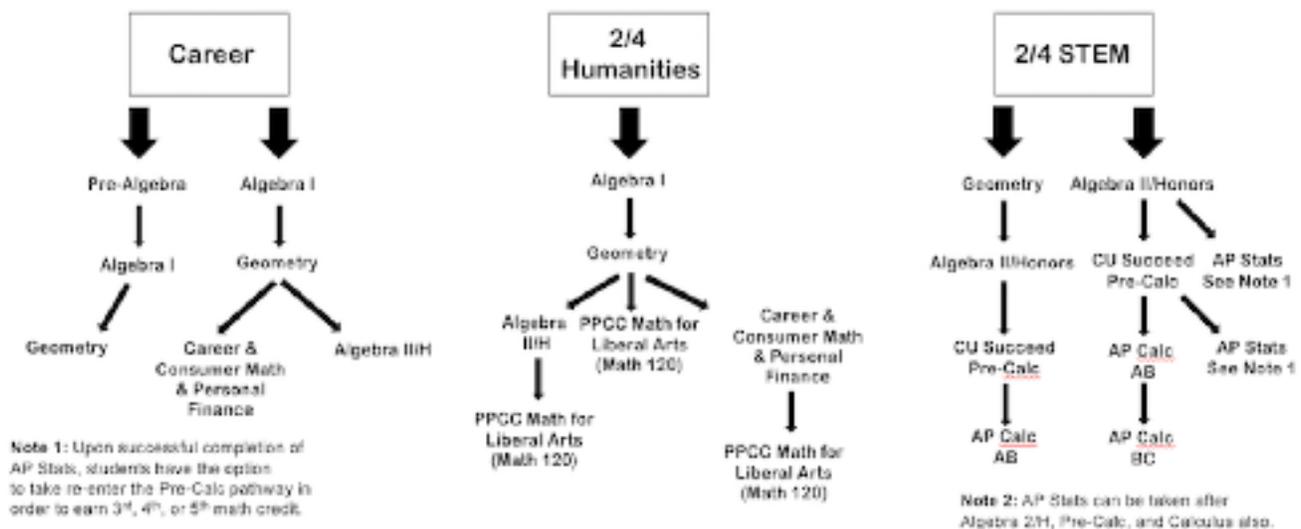
This is a class in the science and skill of athletic training. The class will get more in depth with human anatomy and how it relates to movement. The diagnosis and treatment of more complex athletic injuries will be covered. Complex taping techniques will be covered and practiced. ***CTE Course**

SPORTS MEDICINE WORK BASED LEARNING EXPERIENCE:

***By Application only *CTE Course**

MATHEMATICS

Mathematics Curriculum Pathways



NOTE: Placement in student's first high school math class is determined in part by eighth grade teacher recommendation.



PRE-ALGEBRA:

This class is a math intervention; placement is based on recommendation of the high school intervention team. This course is intended to fill in the gaps in the student's basic math skills in order to prepare the student for Algebra 1. Upon successful completion of the course, the student will be able to perform arithmetic on whole numbers, decimals, percents, fractions, and integers without a calculator. The student will also learn how to estimate answers and use a calculator when appropriate. The student will begin to study algebra concepts such as using variables, solving one-step and multi-step equations, setting up solving proportions, and applying statistics and probability. **Students will be expected to do work outside of class every day.**

**This course doesn't meet Colorado higher education, admissions recommendations, or NCAA eligibility.*

ALGEBRA I:

This class will enable students to tap into the power of mathematics and develop lifelong problem solving skills. Focus will be on solving and graphing equation and inequalities, systems of equations, exponential functions, factoring and quadratic equations. Students should anticipate homework daily. ***NCAA Approved Course**

GEOMETRY:

Prerequisite: Successful completion of Algebra I.

In this course, students will study Geometry through the lenses of deductive proof, transformational and coordinate geometry. Properties of geometric figures will be connected to algebra and real world situations. Practical application problems using area, volume, surface area will enhance the student's problem solving ability. This course starts to build a foundation for Algebra II. Students should anticipate homework daily. ***NCAA Approved Course**

CAREER AND CONSUMER MATH:

Prerequisite: Algebra I and Geometry.

1st Semester to Personal Finance

The class covers material designed for career technical or general studies students who need to study particular mathematical topics. Topics may include measurement, algebra, geometry, trigonometry, graphs, and/or finance. These are presented on an introductory level and the emphasis is on applications.

PERSONAL FINANCE:

Prerequisite: Algebra I and Geometry.

2nd Semester to Career and Consumer Math.

This class will focus on debt management, investments, taxes, and budgeting. The class will be project-based, problem rich and utilizing technology and financial software. Students should anticipate homework daily. This course does not fulfill math course requirements for college admission. Upon successful completion the student will earn two math credits. ***Math Dept. Approval required.**

ALGEBRA II:

Prerequisite: Successful completion of Geometry.

This is a core math class. This course is designed to take the study of previously learned concepts of Algebra and Geometry to a more advanced level. Students will learn the basic skills of higher math in the areas of linear, exponential, logarithmic, rational, quadratic, and polynomial functions. A study of probability and statistics will also be included. This course is designed to enhance a student's math skills and integrates SAT-like questions into the normal homework and assessment routines. Algebra 2 is for students interested in attending a two-year or four-year college after graduation. Students should expect homework daily. ***NCAA Approved Course**

ALGEBRA II HONORS:

Prerequisite: Successful completion of Geometry.

This course is designed to take the study of previously learned concepts of Algebra I and Geometry to a more advanced level. Students will learn basic as well as higher level materials in the areas of linear, quadratic, polynomial, radical, exponential, logarithmic, rational, and periodic functions, as well as probability and statistics. This will be a faster-paced course than the main Algebra II course and will cover additional topics. Successful completion of the course will prepare students for higher-level high school mathematics courses and college math courses. Students should expect homework daily.

PRE-CALCULUS/UCCS PRE-CALCULUS 1050:

Prerequisite: Successful completion of Algebra II or Algebra II Honors.

Reviews college algebra and college trigonometry intended for those planning to take calculus. Topics include algebraic manipulations, properties of algebraic and trigonometric functions and their graphs, trig identities and equations, conic sections, polar coordinates, and parametric equations.



***Students will earn a 5.0 for both semesters of this course. College credit via UCCS CU Succeed is optional in the Spring Semester. Students will earn UCCS credit for a grade of C or higher. Students who earn a C- or below or earn a “W” or “WF/WP” are responsible for the repayment of tuition in the Fall.*NCAA Approved Course**

AP CALCULUS AB:

Prerequisite: Successful completion of Pre-Calculus.

This is a course for those students who intend to pursue any STEM career path or want to add to their problem-solving skills. This AP honors course includes a quick review of all previous math courses, concepts of limits and continuity, derivatives and their applications, integration, definite integrals and their applications. AP Calculus style problems are integrated throughout the course. Students should anticipate homework daily. The AP Calculus exam in May is optional but encouraged. Scoring a 3 or better on it demonstrates to colleges that the student is ready for Calculus 2. ***NCAA Approved Course**

AP CALCULUS BC:

Prerequisite: Successful completion of AP Calculus AB OR Calculus I.

This is a course for those students who intend to pursue any STEM career path or want to add to their problem-solving skills. This AP course is the logical math course for a student who has completed the AP Calculus AB or Calculus 1 courses. Most of the first semester is a review of the material in AP Calculus AB. The second half of the course covers improper integrals, convergence of functions, Taylor Series, vectors, parameterization, polar functions, and differential equations. Students should anticipate homework daily. The AP Calculus exam in May is optional but encouraged. Scoring a 3 or better on it demonstrates the student is ready for Calculus 3 or other advanced mathematics courses. ***NCAA Approved Course**

PPCC MATH for LIBERAL ARTS MATH 120:

Prerequisite: Next Gen Accuplacer QAS score of 240, SAT 500, or MAT 050 (Grade of C or higher), and successful completion of Algebra II.

Highlights connections between mathematics and the society in which we live and is intended for students on the humanities pathway. Topics include set theory and logic, mathematical modeling, probability and statistical methods, and consumer mathematics. ***This course is graded on a 4.0 GPA scale Fall semester as it is meant to prepare students for the college level content in the Spring. Spring semester is on a 5.0 GPA Scale- Students will earn PPCC credit for a grade of C or higher. Students who earn a C- or below or earn a “W” or “WF/WP” are responsible for the repayment of tuition in the Fall.**

AP STATISTICS:

Prerequisite: Algebra 2 or Algebra 2 Honors.

AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. The AP Statistics course is equivalent to a one-semester, introductory, non-calculus- based college course in statistics. ***NCAA Approved Course**

COMPUTER SCIENCE

INTRODUCTION TO PC APPLICATIONS: Students will learn all 4 systems of the Microsoft Office Suite. This includes word, powerpoint, excel, and access. This is a career and technical education course and may articulate with Pikes Peak Community College. ***CTE Course**

INTRODUCTION TO PROGRAMMING VIDEO GAME DESIGN:

Prerequisite: Algebra I.

This class combines problem-solving techniques with computer game design and implementation to introduce the student to basic gaming and computer science concepts. Students design, implement, and test computer games using software that allows for basic game creation through a wide variety of game creation tools; no prior programming experience is required. ***Not a math Credit *CTE Course-cannot be dropped or added @ semester**



AP COMPUTER SCIENCE PRINCIPALS:

Prerequisite: Intro to PC Applications.

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cyber security concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. ***CTE Course-cannot be dropped or added @ semester**

AP COMPUTER SCIENCE APPLICATIONS:

Prerequisite: AP Computer Science Principals.

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. ***CTE Course**

WBL CAPSTONE: COMPUTER SCIENCE:

***By application only**

***CTE Course**

PERFORMING ARTS

SYMPHONIC BAND:

Prerequisite: An audition and permission of the instructor is required.

Symphonic Band is an instrumental ensemble with a performance-based emphasis. Students will play either a woodwind, brass, or percussion instrument within the ensemble. Outside of school time is required for performances, such as concerts, contests, athletic events, etc. Emphasis will be placed on the study of quality band literature, and the development of fundamental musicianship.

JAZZ ENSEMBLE:

Prerequisite: None

Jazz Band is an instrumental ensemble with a performance-based emphasis. This group will study and perform multiple genres of jazz music, as well as study history and influences of jazz. Outside of school time is required for performances, such as concerts, contests, athletic events, etc..

STRING ENSEMBLE:

String Ensemble is a performance-based class consisting of students grades 9-12, with an emphasis on technique and performance of orchestral string instruments. These instruments are: violin, viola, cello, and double bass. To supplement performing, students will also study history of classical music, notable contributors, major pieces of music, etc. Prior playing experience is not required.

ORCHESTRA:

Prerequisite: None

High School Orchestra is open to students who are interested in learning and playing a string instrument. Students will have performance opportunities throughout the year including support of high school events, concerts, and community performances.

ADVANCED ORCHESTRA:

Prerequisite: At least one year of experience in the high school orchestra and/or concurrent enrollment in the high school orchestra. This class is available to 9th, 10th, 11th and 12th graders, and is created through the audition process and/or instrumentation recommendations.

The Advanced Orchestra is an audition-based class that is open to students who are interested in exploring advanced string techniques and musical repertoire. Students will have multiple performance opportunities throughout the year including support of high school events, concerts, and community performances. This class will be largely student led under the guidance of the director.



MUSIC THEORY:

This course is for music students currently enrolled in band, orchestra, and/or choir. This course will focus on foundational Music Theory skills such as scales, part-writing, intervals, sight reading, key signatures and ear training. Concepts such as rhythm counting, part writing, chord structures, and counterpoint will also be covered. Additional focus will be given to composition, academic studies of composers and their work, score study, and original music composition. This course is designed to enrich students' understanding of musical concepts, and prepare students for musical studies in higher education..

MIXED CHOIR:

Mixed Choir is open to any and all Manitou Springs High School students interested in participating in a choral experience. Students will study quality choral literature and learn the basics of healthy vocal production, music theory concepts, and different vocal styles/genres. Students will use these skills to prepare for performances throughout the year. Students will be required to participate in performances outside of school time in concerts, contests, and other events during the year. Concerts and other performances will be announced early in the semester.

CHAMBER CHOIR:

Prerequisite: Students must have at least one year of Mixed Choir before auditioning for Chamber Choir.

This is an audition-based* advanced choir for 10-12th grade students. Students will study quality choral literature and build upon skills learned in Mixed Choir while also taking a more in depth look into composers, music history, vocal genres, and theory elements. Students will be expected to participate in performances such as concerts, contests, and other events during the year. Concerts and other performance opportunities will be announced early in the semester.

* To audition: Students will prepare and perform a piece of music chosen from the following genres: Broadway/musical, Choral, or Classical. Students will also be expected to sight-read a selection of music, as well as execute ear training exercises; both will be provided by Ms. Steen at the audition.

THEATRE ARTS:

Prerequisite: None

This is a general survey course, designed to give the student an overview of theatre arts. Content will include the basic elements of staging a play, including set and costume design, blocking and improvisation. There is a strong component of theatre history, beginning with Commedia dell'arte, and leading into contemporary theatrical art forms. Students should expect to actively participate in acting exercises, script reading and discussion during class. There is a writing component to this class, and students will be expected to attend in class field trips and district productions outside of class.

* May not be taken concurrently with Tech Theatre.

TECH THEATRE:

Prerequisite: None

Students will be introduced to the basic skills sets of technical theatre: construction, sewing and painting. They will use these skills to build the sets, props and costumes for both high school and middle school shows. The class will be an integral part of running the District Auditorium stage and technical theatre spaces. Students will be required to attend field trips, and participate in supporting district theatrical, music or dance events outside of class time as part of their coursework. This is a hands on course.

* May not be taken concurrently with Theatre Arts. ***CTE Course**

PPCC THEATRE ARTS 105: THEATRE APPRECIATION:

Prerequisite: Theatre Arts, Successful completion of English II or English II Honors.

Includes discussions, workshops, and lectures designed to discover, analyze, and evaluate all aspects of the theatre experience: scripts, acting, directing, staging, history, criticism, and theory. ***Year long class *credit can be give for English credit or Elective credit. *This is a concurrent enrollment course/students will earn high school and college credit. * This course is graded on a 4.0 GPA scale Fall semester as it is meant to prepare students for the college level content in the Spring. Spring semester is on a 5.0 GPA Scale- Students will earn PPCC credit for a grade of C or higher. Students who earn a C- or below or earn a "W" or "WF/WP" are responsible for the repayment of tuition in the Fall.**

WBL CAPSTONE: PRODUCTION AND MANAGERIAL ARTS:

Prerequisite: By application only.

Students will take the lead in mentoring Technical Theatre students, design and build district shows and explore careers Technical Theatre. This course may be repeated. ***CTE Course**



PHYSICAL/HEALTH EDUCATION

HEALTH AND WELLNESS:

This course is designed to cover in detail basic health including physical, mental, and social/emotional concepts. A high emphasis is placed on fitness, nutrition, substance use/abuse, human sexuality, relationships, suicide, and stress management. Recreational P.E. is an introduction to a variety of activities, which are geared to increase flexibility, strength, endurance, and coordination. This class has an emphasis on safety, good sportsmanship, appreciation of skills, and physical fitness for life. Students will participate in a variety of team activities along with a two-day combination of weight training, yoga, pilates, and jogging. ***CTE Course**

RECREATIONAL P.E.:

Prerequisite: Health and Wellness.

10-12th Graders. Recreational P.E. is an introduction to a variety of activities, which are geared to increase flexibility, strength, endurance, and coordination. This class has an emphasis on safety, good sportsmanship, appreciation of skills, and physical fitness for life. Students will participate in a variety of team activities along with a two-day combination of weight training, yoga, pilates, and jogging.

ATHLETIC CONDITIONING:

Prerequisite: Health and Wellness.

This course is designed for the motivated athlete to increase athletic performance through a combination of functional strength training, plyometrics, flexibility, and nutritional programs. Functional strength training involves performing work against resistance in such a manner that the improvements in strength directly enhance the performance of the athlete. Strength, speed, and power are the primary focuses of this program. Sport specific programs will be used for all individuals/teams in this class. Athletes will perform training movements three times per week and learn the skills and strategies of competitive team and individual/dual sports on non-training days.

DANCE:

Prerequisite: Health and Wellness or be concurrently enrolled.

A movement class that will focus on the terminology and technique of ballet, modern, jazz and contemporary dance. Classes will teach both general technique and specific choreography to be performed at the end of the semester. (Dance will also count as a P.E. elective credit.)

TEAM SPORTS:

Prerequisite: Health and Wellness.

In this course students will be required to actively engage in a wide variety of sports. The course provides the framework for students to experience lifetime sports and activities that will promote the concept of physical fitness throughout the lifespan. The course will educate students on the basic rules, strategies and knowledge of team and individual sports. These classes will perform basic entry-level weight training twice a week. Activities may include flag football, volleyball, basketball, badminton, baseball, soccer, golf, tennis, and bowling.

YOGA:

Prerequisite: Health and Wellness.

Students will learn about and practice the fundamentals of a variety of Hatha yoga styles from restorative to vinyasa yoga. This class is designed to help students find and develop both mental and physical focus, endurance, and flexibility. Students will explore the mind-body connection through asana (poses), breath work, and relaxation techniques.

ADVANCED YOGA:

Prerequisite: Health and Wellness, Yoga, 11th and 12th grade only

This class is designed to build on the fundamentals learned in the general yoga course. Students will continue to develop their physical practice with an enhanced focus on learning how to sequence poses to build a personal practice. Students will also continue to develop their meditation practice and learn more advanced breathing techniques.



SCIENCE

PHYSICAL SCIENCE:

Prerequisite: None.

This course is designed to prepare students for the dynamic world of science. Students should expect at least 3 days a week of nightly work (studying, homework, projects, etc.) The course includes concepts such as: structure of atoms, periodic table principles, motion, forces, conservation of matter and energy, gravity, machines, electricity, and the behavior of waves. These concepts are investigated through laboratory experiences designed to promote and develop appropriate skills in science inquiry. ***NCAA Approved Course**

PHYSICAL SCIENCE HONORS:

Prerequisite: Algebra I or concurrently enrolled.

This course is designed to prepare students for the dynamic world of science. Students should expect at least 3 days a week of nightly work (studying, homework, projects, etc.) **This course will require knowledge and proficiency in Algebra.** The course includes concepts such as: structure of atoms, periodic table principles, motion, forces, conservation of matter and energy, gravity, machines, electricity and the behavior of waves. These concepts are investigated through laboratory experiences designed to promote and develop appropriate skills in science inquiry. ***NCAA Approved Course**

BIOLOGY I:

Prerequisite: Physical Science.

This course will cover the basic principles of plant and animal biology, including cell biology, biochemistry, genetics, evolution and ecology. Appreciation of scientific method in general, and biological methodology in particular, will be stressed. The concept of evolution is seen as the central organizing theme of biology. The course will have a lab-based approach. Students should expect a moderate amount of homework. Upon successful completion of this course, students will receive 2 science credits. ***NCAA Approved Course**

BIOLOGY I HONORS:

Prerequisite: Physical Science.

Similar to the Biology I course, this course will cover the basic principles of plant and animal biology, including cell biology, biochemistry, genetics, evolution and ecology. Appreciation of scientific method in general, and biological methodology in particular, will be stressed. The concept of evolution is seen as the central organizing theme of biology. This course will also have a lab-based approach, with more in-depth analysis and discussion. In addition, students will be sensitized to various moral and environmental issues being brought to the fore by research in bioengineering and other areas of biological research. They will be provided with tools with which to make educated decisions regarding these new technologies and developments. Critical thinking, problem solving, intellectual curiosity along with the interconnectedness of the material will be strongly emphasized. A high level of commitment is expected, along with the expectation of daily homework. Upon successful completion of this course, students will receive 2 science credits. ***NCAA Approved Course**

CHEMISTRY I:

Prerequisite: Algebra II Concurrent, Biology I.

A course designed to cover the major disciplines of chemistry in a brief but complete method. Students will cover a wide range of topics including: problem solving, the mole, gas laws, acids, bases and salts and periodic table. Required for students going on to Biology II or Anatomy/Physiology. Recommended for Physics.

***NCAA Approved Course**

CHEMISTRY I HONORS:

Prerequisite: Biology I, Completed Algebra II.

The honors students may explore areas not covered by Chemistry I such as organic and nuclear chemistry.

***NCAA Approved Course**

AP BIOLOGY:

Prerequisite/Co-requisite: Chemistry I w/teacher approval and Algebra II.

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes energy and communication, genetics, information transfer, ecology, and interactions. *AP Biology is a 4 credit course (2 credits per semester) and graded on the 5.0 grading scale for each semester. ***NCAA Approved Course**



AP PHYSICS:

Prerequisite/Co-requisites: Must have completed Algebra II OR Algebra II Honors and Biology/Physical Science.

This is a course for those students who intend to pursue any STEM career path or want to add to their problem-solving skills. AP Physics 1 is an algebra-based, introductory college-level physics course. Students enhance their understanding of their physical world through inquiry-based investigations as they explore topics on various types of motion; work, energy, power; mechanical waves and sound; and introductory, simple electronic circuits. This course relies heavily algebra and trigonometry skills. Student their math skills and science knowledge to explain physical phenomena in the world around us. AP Physics style problems are integrated throughout the course. Students should anticipate homework daily. The AP Physics 1 exam in May is optional but encouraged. Scoring a 3 or better on it demonstrates the student is ready for Physics 2 or other advanced STEM courses.

***NCAA Approved Course**

HUMAN ANATOMY AND PHYSIOLOGY:

Prerequisite/Co-requisite: w/teacher approval, Chemistry.

The course will provide an in-depth study of the systems of the human body, how these systems work, and how they are interrelated. It will include both an overview of anatomical structures and the physiological components of how they interact. The course will be taught at a college prep level and will provide assistance for those students interested in the medical and health professions. ***NCAA Approved Course**

AP CHEMISTRY:

Prerequisite: w/teacher approval, Chemistry.

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. ***NCAA Approved Course**

ENVIRONMENTAL SCIENCE:

Prerequisite: Biology I.

In this course, students will learn the interactions between humans and the natural world. Students will investigate how population growth and an increasing demand for food, water and energy affects not only a local community but also the global community. We incorporate aspects of physical science and hands on projects relative to real world problems and situations. Projects include: building solar panel water heaters, constructing efficient wind turbines, designing and constructing a water treatment device and “No energy, No problem”. * Career pathway science course may not meet Higher Education Admission Requirements. ***NCAA Approved Course**

EARTH/SPACE SCIENCE:

This course is aimed to provide a thorough understanding of our planet and its systems and natural processes, as well as an understanding of other planets, our solar system, and the universe beyond. This course will act as two “mini” courses throughout the year. The Fall semester will focus on understanding the basics of how the Earth works and is set up (the Geology aspect), while the Spring semester will compare the Earth to the cosmos and the various celestial bodies it encompasses (Astronomy). Geology covers many topics, such as Earth structure, Earth history, plate tectonics, rock types, atmosphere, weather patterns, and natural disasters. Astronomy will cover Earth/Moon interactions, solar system interactions, galaxies, and the universe. Does not meet Colorado Higher Education Admission Requirements, NCAA eligibility, and may not meet out of state or private school admissions.

***NCAA Approved Course**

SOCIAL STUDIES

FOUNDATIONS OF SOCIAL STUDIES:

Prerequisite: None.



This foundational course will help introduce students to the social studies curriculum, world history, U.S. history, American Government, and economics, that will be taken throughout their high school years. Additionally, this course will focus on developing and improving skill sets around general student operational skills, time management, entitled 9th Grade Social Studies that also looks similar in structure. ***Elective credit only**

WORLD HISTORY:

Prerequisite: Economics/American Govt.

A chronological and thematic survey of world history with a constant focus on people, values, cultures and lifestyles. The course includes historical perspectives from ancient to modern times with emphasis upon the 1500's to the present. ***NCAA Approved Course**

AP WORLD HISTORY:

Prerequisite: Economics/American Govt. AP World History is an academic yearlong course that meets alternating days for 85 minutes per class session. The course traces the development of world history from the emergence of cities to the present day and emphasizes the analytical and writing skills necessary for success in a college-level history course. The course devotes considerable time to the critical evaluation of primary and secondary sources, oral presentations, and various writing assignments (essays, term papers and DBQs). ***NCAA Approved Course**

ANCIENT STUDIES:

Must be taken in conjunction with World Philosophies

This course will expand your knowledge and develop critical understanding on the development, practice and decline of Mesopotamian, Egyptian, early Chinese, Greek and Roman cultures. Course includes an in-depth study of mythology, religions, governments, language, literature, expansion/conquest, cultural blending and diffusion of the cultures.

WORLD PHILOSOPHIES:

Must be taken in conjunction with Ancient Studies

This course will expand your knowledge and develop critical understanding of world philosophies by investigating the origin, nature, methods and spread of world philosophies and their impact on political and ethical systems globally. Some of the world philosophies include Hinduism, Buddhism, Confucianism, Daoism, Judaism, Christianity and Islam.

US HISTORY:

Prerequisite: World History.

A course where we will explore the progress of our great nation. The course will examine major wars and relate to them to their role in American History. Different personalities central to American History as well as the origin of the constitution based government will be covered. ***NCAA Approved Course**

AP US HISTORY:

Prerequisite: World History, AP World History recommended.

In this course we will explore the progress of our great nation in depth. The course requires a committed effort, a high level of critical thinking, reading & writing skills, and a considerable amount of homework. The course will be accelerated and go into more depth. ***NCAA Approved Course**

AMERICAN GOVERNMENT:

Prerequisite: None.

A study of the executive, legislative and judicial branches of the federal government, along with a comprehensive look at state and local government. ***NCAA Approved Course**

ECONOMICS:

Prerequisite: None. A semester long course opposite American Government. (Students may choose Consumer Planning or Economics.) Students will learn the basic principles of economics. Students will understand how different economic systems impact decisions about the use of resources and production and distribution of goods and services. The course will also include a unit on personal finance. This unit will cover checking and savings accounts, budgeting, credit, and investment strategies. ***NCAA Approved Course**

AP PSYCHOLOGY:

Prerequisite: World History.

A course developed to introduce the student to the field of human behavior. The class covers such topics as personality development, child development, psychological disorders and treatments. Also included will be the study of neuroscience and social psychology. ***NCAA Approved Course**



SOCIOLOGY:

Prerequisite: 11th and 12th grade students only.

A semester introductory course to examine society and human behavior. Topics such as the elements and social impact of culture, theories and agents of socialization, deviance, the social impact of racial, gender and religious differences, and current social changes in our world. ***NCAA Approved Course**

SPECIAL EDUCATION

TRANSITION:

A course designed for students on an IEP. This course addresses students' post-secondary goals. Students will create a College in Colorado Account and research O-Net job choices. Students will visit a two year and a four year college as well participate in a job shadow. Prerequisite: An IEP or a tier three RTI intervention. Public Law 94-142

TRANSITION WORK EXPERIENCE:

Under both the Rehabilitation Act and Individuals with Disabilities Education Act (IDEA), "Transition Services" are defined as a coordinated set of activities for a student, designed within an outcome-oriented process, that promotes movement from school to post-school activities including; post-secondary education, vocational training, integrated employment (including supported employment) continuing and adult education, adult services. The coordinated set of activities shall be based upon the individual student's needs, taking into account the student's preferences and interests and shall include; community experiences, the development of employment, the development of other post school adult living activities, when appropriate, acquisition of daily living skills, when appropriate functional vocational evaluation, community participation and independent living.

VISUAL AND DESIGN ARTS

FOUNDATIONS OF ART:

Students in this introductory course experience a variety of two and three-dimensional mediums that cover basic art and design skills. Various ideas and processes involved in making art will be examined. Projects may include, but are not limited to: drawing, painting, graphic design, textiles, ceramics, sculpture, printmaking and mixed media. Students will work in a wide assortment of media such as graphite, charcoal, pastel, pen and ink, watercolor, and acrylic paint. Historical and cultural issues specific to each project will be explored, as well as critical inquiry and aesthetics. This course is a prerequisite for advanced level studies. Students with a possible interest in pursuing an art-related career should take this as a freshman to allow time for the development of a portfolio during their junior and senior years for college entrance and/or possible careers in the Art field. All students will be responsible for keeping a sketchbook throughout the term of the course. ***CTE Course**

DRAWING:

Prerequisite: Foundations of Art . This course consists of various drawing techniques and media to enhance the drawing skills in everyone. Emphasis is placed on drawing from observation, a skill valuable to many career fields. Emphasis is also placed on composing, designing, and communicating an idea. Work ethic and time management skills that students will learn in this course also prepare them for the work force.

DIGITAL PHOTO:

Prerequisite: Foundations of Art.

Students will be introduced to the basic applications of digital photography. Students will learn about essential digital photographic equipment, software, storage devices, and printers to produce, capture, manipulate, correct, transmit, store and output images. Topics on the history of photography, photography as an art, and photography as a career will be covered. Students will be required to keep an ongoing digital portfolio throughout the year, as well as complete a capstone project exploring how digital photography is used in different career fields.

Student may use their own digital camera dependent on camera specifications or check out a camera from the school. Lab Fee: \$25 ***CTE Course**



METAL SMITHING:

Prerequisite: Foundations of Art. The Metalsmithing course will teach professional techniques working with non-ferrous metals. This course will build off of the basic knowledge learned in beginning art and further knowledge about 3D design. Over the course of the year, students will develop a skill set in metalsmithing and create both jewelry and sculptural objects. Students will explore techniques and processes while being trained on new equipment to maintain a safe environment. The skills acquired in this course can open gateways into possible career and hobby opportunities. The emphasis of this course is active participation, skill development, and problem solving. **Course is limited, due to safety.*CTE Course**

PAINTING:

Prerequisite: Foundations of Art. This course is designed to teach students how to use various paint media such as tempera paint, watercolor, acrylic and mixed media to create their own artwork. Students will develop their design skills as well as an understanding of styles of painting throughout history. Work ethic and time management skills that students will learn in this course also prepare them for the work force.

PRINTMAKING:

Prerequisite: Foundations of Art. This course is designed to give the student the experience of experimenting with various methods and techniques of transferring and reproducing their personal artwork such as relief printing, collagraph printing, monoprinting and screen printing. Students will also learn to connect their printmaking skills to relevant career fields such as: graphic design, apparel design, and advertising. Work ethic and time management skills that students will learn in this course also prepare them for the work force. ***CTE Course**

CERAMIC SCULPTURE:

Prerequisite: Foundations of Art.

The student will work in a variety of media, i.e. clay, cardboard, papier-mache, plaster, wire, etc., to create three-dimensional works of art, based on Elements and Principles of Art. A study of famous sculptors and styles will be covered as well as defining how 2 and 3 dimensions worked together in an understanding of form. Each assignment may conclude with a critique where student will give and receive feedback about their work. Students will be required to keep an ongoing digital portfolio throughout the year, as well as complete a capstone project exploring how sculpture is used in different career fields. Work ethic and time management are skills that students will learn in this course also prepare them for the workforce. ***CTE Course**

JUNIOR CAPSTONE ART:

Prerequisite: Foundations of Art.

This class must also have instructor's approval. This course is designed for the student who wants to major or minor in art in college or pursue the opportunity to develop their own personal expression in Visual Arts. Students must be highly self-motivated and show concern for the quality of their work. Concentration will be on the development of a professional artist's portfolio. An exhibition of student work is required and students are expected to keep and submit a sketchbook. Career exploration and art history will be covered. Course may be repeated for credit. Fee: \$20/Sem. ***CTE Course**

SENIOR CAPSTONE ART:

Prerequisite: Foundations of Art, Two advanced courses.

This class is for seniors only and must also have instructor's approval. This course is designed for the student who wants to major or minor in art in college or pursue the opportunity to develop their own personal expression in Visual Arts. Students must be highly self-motivated and show concern for the quality of their work. Concentration will be on the development of a professional artist's portfolio. An exhibition of student work is required and students are expected to keep and submit a sketchbook. Career exploration and art history will be covered. Course may be repeated for credit. Fee: \$20/Sem. ***CTE Course**



WORLD LANGUAGES

Students are required to take all World Language classes consecutively. If a student skips a year of language learning, he/she must meet with the language instructor and pass a placement exam with an 80% or higher. If the student cannot achieve a cumulative proficiency level on the assessment, they must be placed in the previous course. World Language Classes (Spanish, French and German) at MSHS are rigorous, academic courses focusing on practical communication and use of the language (topics related to travel, pastimes, foods, health etc.) across the four modes of communication: listening, speaking, reading, and writing with an emphasis on everyday social interaction. Students are expected to actively participate and will utilize technology and print resources to complete projects and activities which demonstrate their level of proficiency.

Level I Courses: focus on the daily lives, activities, and interactions of students in a variety of settings.

Level II Courses: focus on personal routines and preferences: social interactions in public settings.

Level III Courses: focus on modern lifestyles and topics, reading/understanding of short stories.

Level IV Courses: focus on more complex literary texts with impromptu speaking and multi-paragraph writing.

Graded with the 4.5 scale.

***NCAA Approved Course**

Spanish III is a Pre-AP course that will prepare students for AP in year four of Spanish studies.

AP Spanish will prepare students for the AP Spanish Language and Culture Exam and provide opportunities for expression and a better understanding and appreciation of the Spanish-speaking World. Graded with the 5.0 scale. ***NCAA Approved Course**

