

Montezuma-Cortez High School

2017-2018

## COURSE DESCRIPTION BOOKLET



Home of the Panthers!

Address:

418 South Sligo Street  
Cortez, Colorado 81321

970-565-3722

970-565-5118 fax

Web Site: <http://www.mchs.cortez.k12.co.us>

## M-CHS COURSE OFFERINGS

All courses offered at M-CHS are listed here. Please check the individual courses for prerequisites, course availability, and duration of courses. Courses with an asterisk are honors level courses.

### ENGLISH Page 16 & 17

EN115	Literacy Workshop
EN108	English 1
EN109	*Advanced English 1
EN208	English 2
EN209	*Advanced English 2
EN307	English 3

EN305	*AP English 3 Language & Composition
PC615	*PCC English 121 / PCC English 122

EN406	English 4
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EN405	*AP English 4 Literature & Composition
PC115	*PCC Introduction to Literature I

### MATHEMATICS Page 18 & 19

MA104	Algebra A
MA105	Algebra B
MA101	Algebra 1
MA201	Geometry
MA207	Advanced Geometry
MA401	Algebra 2
MA206	Advanced Algebra 2

MA408	Statistics
PC135	*PCC Introduction to Statistics

MA409	Pre-Calculus/Trigonometry
MA406	*Calculus AB
MA410	*AP Calculus AB

### SCIENCE Page 20 & 21

SC121	General Science
SC107	Integrated Physical Science
SC115	Advanced Integrated Physical Science
SC201	Biology
SC204	Advanced Biology
SC106	Earth Science
SC304	Anatomy & Physiology
SC307	Survey of Anatomy & Physiology
SC110	*AP Environmental Science
SC301	Physics
SC404	*AP Physics
SC302	Intermediate Chemistry
SC405	*AP Chemistry

### SOCIAL STUDIES Page 22 & 23

SS201	World History
SS207	*Advanced World History
SS301	U.S. History
SS401	American Government
SS503	*AP American Government
SS502	Advanced U.S. History
SS308	Economics & Globalization
SS307	Psychology
SS304	Cultural Anthropology / Archaeology & Native American Cultures

### BASIC STUDENT SERVICES Page 24

MC403	Math 2
MC104	Algebra A
MC405	Reading 1
MC406	Reading 2
MC407	Writing
MC401	Life Skills
MC402	Functional Math
MC415	Functional Reading
MC416	Functional Science
MC417	Functional Independent Study

### C T E A C E Page 24

MA110	Personal Finance
MC427	Speech
MC515	Entrepreneurship
MC 412	World of Work
MC 421	Work Experience
MC419	Content Mastery

### AGRICULTURE Page 8

AG101	Agriculture 1
AG201	Agriculture 2
AG302	Agriculture Mechanics 1
AG303	Agriculture Mechanics 2
AG402	Agribusiness Management & Marketing / Animal Science II

### ART / VISUAL ARTS Page 9

AR101	Art 1 / Basic Design
AR103	Sculpture / Jewelry
AR104	Native Voices / Native Hands

AR201	Art 2 / Principals of Design
PC616	*PCC Drawing 1

AR203	Photography
PC138	*PCC Digital Photography 1

AR301	Art 3 / Exploration in Art
AR302	*AP Art 3 / Studio Drawing Portfolio
AR303	*AP Art 4 / Studio Drawing Portfolio

### BUSINESS & MEDIA / PUBLICATION Page 10

BU207	Computer Applications I
PC617	*PCC Intro to PC Applications

BU206	Technology Systems Development & Programming
PC144	*PCC Intro to Computer Inform. Systems

BU208	3D Technologies
PC306	*PCC Computer Aided Drafting / 3D
BU205	Computer Science Principles

EN504	Journalism: Panther Press
PC146	*PCC Fundamentals of Reporting
EN503	Yearbook

### DRAMA & THEATRE Page 11

DA106	Acting S1
DA206	Technical Theatre S2
DA204	Film Making
DA202	Advanced Theatre Studies

### FAMILY CONSUMER SCIENCE Page 11

FC206	Catering 1
FC208	Catering 2
PC618	*PCC Food Safety & Sanitation

### HEALTHCARE, EMERGENCY & FIRE MANAGEMENT SERVICES Page 12

FR205	Introduction to Health Careers & Community Emergency Response Team
FR202	Introduction to Fire Science

FR203	Emergency Medical Responder
PC126	*PCC Emergency Medical Responder
PC125	*PCC EMT/Emergency Medical Tech
PC124	*PCC Medical Terminology (online)

### PHYSICAL EDUCATION Page 12

PE101	Weight Training
PE112	Lifetime & Team Sports
PE201	Adolescent Issues
PE301	Athletic Strength & Conditioning

### MUSIC Page 13

MU101	Advanced Band
MU109	Concert Intermediate Band
MU105	Color Guard S1
MU111	Beginning Percussion
MU112	Music Appreciation
MU113	Introduction to Guitar
MU116	Instrumental Methods
MU201	Chamber Choir
MU203	Concert Choir
MU206	Piano Class

### WORLD LANGUAGES Page 14

FL301	French 1
FL302	French 2

FL303	French Intermediate 1
PC102	*PCC French 1

FL304	French Intermediate 2
PC105	*PCC French 2

FL201	Spanish 1
FL202	Spanish 2
FL203	Spanish Intermediate 1
FL401	Navajo Language 1 (online)
FL402	Navajo Language 2 (online)
FL403	Navajo Government (online)

### OTHER ELECTIVE OPPORTUNITIES Page 15

TA108	Student Mentor (Kidz-to-Kidz)
SS307	Psychology
SS304	Cultural Anthropology/Archaeology & Native American Cultures
SS308	Economics & Globalization
CT101	Internship
CT103	Senior Work Study
TA101	Senior Student Aide
SA100	SAT Prep (Online Class)
AV101	AVID College Prep 9 <sup>th</sup> & 10 <sup>th</sup>

### PCC CLASSES taught at SCCC Page 25

SW101	Automotive
SW405	Hairstyling
SW801	Welding

### ELECTIVE PCC CLASSES taught at M-CHS Page 26

PC307	*PCC CNA
PC308	*PCC Phlebotomy

## Montezuma-Cortez High School

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Cortez, Colorado 81321  
Main Office: 970-565-3722  
Fax: 970-565-5118

<http://www.mchs.cortez.k12.co.us>  
<http://www.powerschool.cortez.k12.co.us>



### M-CHS ADMINISTRATION OFFICE

Jason Wayman, M-CHS Principal  
David Robinson, M-CHS Assistant Principal  
Chris Kelley, M-CHS Assistant Principal & Activities Director  
Ed Rice, M-CHS Career & Technical Educational Director  
Sue Ciccio, RE-1 Schools Health Services Director  
Nancy Hoffheins, RE-1 Schools Health Services Secretary  
Officer Jerry Sam, Student Resource Officer  
Debra Ramsey, M-CHS Principal Secretary  
Sarah Fox, M-CHS Assistant Principal Secretary  
Vicki Englehart, M-CHS Receptionist  
Elsie Walck, M-CHS Activities Secretary  
Tammi Slagle, M-CHS Senior Counselor  
Carmen Maness, M-CHS Junior Counselor  
Mark White, M-CHS Sophomore Counselor  
Amanda Higgins, M-CHS Freshman Counselor  
Cammy Stevens, M-CHS Registrar  
Gina Littlefield, M-CHS Counseling Secretary/PowerSchool Passwords  
Kimberly Olson, M-CHS Librarian/AP Coordinator/Sub Liaison

### RE-1 SCHOOL DISTRICT ADMINISTRATION OFFICE

Lori Haukeness, Superintendent of Schools  
Dan Porter, Assistant Superintendent/Director of Human Resources  
Carla Hoehn, Director of Finance

### 2017-2018 BOARD of EDUCATION

Jack Schuenemeyer, President  
Eric Whyte, Vice President  
Sherri Wright, Treasurer  
Pete Montano, Secretary  
Sheri Noyes, Director  
Kara Suckla, Director  
Brian Balfour, Director

### SCHOOL BOARD MEETINGS

The RE-1 Board of Education usually meets on the 3<sup>rd</sup> Tuesday of each month at 7:00pm in the Board Room of the Administration Building located at 400 North Elm Street, Cortez. Please call administration office for any changes at 970-565-7282 ext. 1119.

Montezuma-Cortez School District RE-1 and Montezuma Cortez High School is an equal opportunity institution and does not unlawfully discriminate on the basis of race, color, national origin, sex, disability in admission to, or treatment or employment in its educational programs or activities. Inquiries concerning Title VI, Title IX, Section 504 and ADA may be referred to the Superintendent's Office of Montezuma-Cortez School District RE-1 P.O. Drawer R, Cortez, CO 81321, (970) 565-7522 or to the Office for Civil Rights, U.S. Department of Education, Region VIII, Federal Office Building, 1244 North Speer Blvd. Suite 310 Denver, CO 80204, (303) 844 2991.

### ACTIVITIES offered at Montezuma-Cortez High School

ACT – American College Testing  
AP – Advanced Placement  
Band – Marching & Concert  
Catering / Panther Chefs  
Choir – Chamber & Concert  
Concurrent Enrollment – PSEO  
Drama / Thespians  
FCCLA – Family, Career and Community Leaders of America  
FFA – Future Farmer of America  
Fort Lewis College Talent Search  
Fort Lewis College Upward Bound  
French & Spanish Club  
Honors Diploma Program  
HOSA – Health Occupations Students of America / Fire Science  
Internships  
Journalism – Panther Press  
Knowledge Bowl  
National Honor Society  
Native American Club/AISES–American Indian Science Engineering Society  
Native American Club/NASA–Native American Student Organization  
Panther Cup Color Teams  
Peer Mentoring  
Panther Screen Printers  
Senior Work Study  
Student Government  
Tutoring – Lunch & After School  
Yearbook  
Young Artist Association

### ATHLETICS at Montezuma-Cortez High School

Baseball	Soccer – Boys
Basketball – Boys	Soccer – Girls
Basketball – Girls	Softball
Cheerleading	Swimming – Girls
Color Guard	Tennis – Boys
Cross Country - Boys	Tennis – Girls
Cross Country - Girls	Track – Boys
Dance Team	Track – Girls
Football	Volleyball
Golf	Wrestling

The Purpose of this guide is to provide a comprehensive and unified overview of the curriculum, administration, and extra-curricular services and opportunities available at Montezuma-Cortez High School. It is intended as a course selection guide for students and parents. The curriculum at our high school reflects the quality and standards established at the district level, and allows for the unique needs of our school and our community.

**ALL COURSES LISTED ARE SUBJECT TO REVIEW, RELATIVE TO BUDGET CONSIDERATIONS**

<b>SECTION</b>	<b>PAGE</b>
<b>REFERENCE SECTIONS:</b>	
M-CHS Course Offerings	2
M-CHS Administration / RE-1 Administrations / School Board Listing	3
M-CHS Activities & Athletics	3
M-CHS Graduation Requirements	5
M-CHS Honors at Graduation	6
M-CHS Honors Diploma Program	7
<b>ELECTIVE LISTING:</b>	
Agriculture Education	8
Art / Visual Arts	9-10
Business / Media & Publication	10
Drama / Theatre	11
Family & Consumer Science	11
Healthcare, Emergency & Fire Management Services	12
Physical Education	12
Music	13
World Languages	14
Other Elective Opportunities (grade specified)	15
<b>ACADEMIC CLASS LISTING:</b>	
<b>ENGLISH</b>	16-17
<b>MATHEMATICS</b>	18-19
<b>SCIENCE</b>	20-21
<b>SOCIAL STUDIES</b>	22-23
<b>BASIC STUDENT SERVICES</b>	24
M-CHS/PCC/SCCC Concurrent Enrollment Guidelines	25
PCC Concurrent Enrollment Courses offered on SCCC Campus	25
PCC Concurrent Enrollment Courses offered at M-CHS	26
Montezuma-Cortez High School Academic Guidelines	27-29
College Admission Standards	30-31
Colorado Commission of Higher Education Admission Eligibility Index	31
NCAA Eligibility Center Quick Reference Guide	32
M-CHS Career / Academic Plan Sheet	33

**PLEASE BE SERIOUS ABOUT YOUR EDUCATION**

Choose classes that are challenging, represent a variety of skills and broad range of knowledge, progressively move you closer to a high standard of excellence, and prepare you for life-long learning BEYOND high school.

approved 1/29/2016 2:30pm/JW

**MONTEZUMA-CORTEZ HIGH SCHOOL GRADUATION REQUIREMENTS**

Class of 2017, 2018, 2019 GRADUATION REQUIREMENTS		Class of 2017, 2018, 2019 *HONORS DIPLOMA		Class of 2017, 2018, 2019 BASIC DIPLOMA	
COURSE AREA	CREDITS	COURSE AREA	CREDITS	COURSE AREA	CREDITS
ENGLISH	4.0	ENGLISH	4.0	ENGLISH	3.0
MATH	3.0 (must include Geometry)	MATH	4.0	MATH	2.0
SCIENCE	3.0	SCIENCE	3.0	SCIENCE	2.0
SOCIAL STUDIES	3.0	SOCIAL STUDIES	3.0	SOCIAL STUDIES	2.0
Physical Education	0.5	Physical Education	0.5	Physical Education	0.5
Health	0.5	Health	0.5	Health	0.5
Electives	9.0	Electives	8.0	Electives	13.0
Foreign Language	---	Foreign Language	2.0 (both in the same language)	Foreign Language	---
Fine Arts	---	Fine Arts	1.0	Fine Arts	---
<b>Total</b>	<b>23.0</b>	<b>Total</b>	<b>26.0</b>	<b>Total</b>	<b>23.0</b>

  

Class of 2020 GRADUATION REQUIREMENTS		Class of 2020 *HONORS DIPLOMA		Class of 2020 BASIC DIPLOMA	
COURSE AREA	CREDITS	COURSE AREA	CREDITS	COURSE AREA	CREDITS
ENGLISH	4.0	ENGLISH	4.0	ENGLISH	3.0
MATH	3.0 (must include Algebra 2)	MATH	4.0	MATH	2.0
SCIENCE	3.0	SCIENCE	3.0	SCIENCE	2.0
SOCIAL STUDIES	3.0	SOCIAL STUDIES	3.0	SOCIAL STUDIES	2.0
Physical Education	0.5	Physical Education	0.5	Physical Education	0.5
Health	0.5	Health	0.5	Health	0.5
Electives	9.0	Electives	8.0	Electives	13.0 (may include World of Work)
Foreign Language	---	Foreign Language	2.0 (both in the same language)	Foreign Language	---
Fine Arts	---	Fine Arts	1.0	Fine Arts	---
<b>Total</b>	<b>23.0</b>	<b>Total</b>	<b>26.0</b>	<b>Total</b>	<b>23.0</b>

**FOR ALL GRADES:**

**PE: 4 credits of Physical Education maximum.** Core requirements must have passing grades. Student transcripts are reviewed each semester to ensure passing grades in core requirements. It is recommended that students complete Health by sophomore year.

**FOR STUDENT ATHLETES:**

Students who participate in our athletic programs for 4 straight years will receive 0.5 credit of a Physical Education credit with verification from the Athletic Director.

**FOR BAND STUDENTS:**

Alternative Physical Education Credit: M-CHS will offer an independent study PE 0.5 credit for Band members who complete the requirements starting with the graduating class of 2015. (Please refer to page 14, the MUSIC section of this guide)

**ADDITIONAL CREDITS:**

**Advisory Class:** M-CHS Students are required to be enrolled in the Career Pathways Program. Enrollment in this Program provides students with an additional 2.0 credits (0.50 credit per year = 2 credits/4yrs) Anyone who wishes to deviate from the stated board policy for graduation must make an application to the guidance office and have it accepted and approved by the Principal.

**\*HONORS DIPLOMA PROGRAM (see page 7)**

THE HONORS DIPLOMA PROGRAM REPRESENTS THE MOST RIGOROUS COURSE OF STUDY AT MONTEZUMA-CORTEZ HIGH SCHOOL. Available to all fulltime students, the program provides an individualized experience for participants so they can get the most out of their experience at Montezuma-Cortez High School as well as prepare for future studies. **\*Please submit an application if you are planning to complete the Honors Diploma for priority consideration into Colorado's selective and highly selective colleges/universities.**

THE HONORS DIPLOMA CANDIDATES ARE REQUIRED TO COMPLETE ALL ASPECTS OF THE PROGRAM WHICH INCLUDES (5) five components:

1. **An Educational Plan** – Graduation Requirements and an annual Individual Honors Education Plan (IHEP), and a 3.2 GPA.
2. **Academic Excellence Requirement**
3. **Specialized Learning Assignment**
4. **ICAP** (Individualized Career and Academic Plan)
5. **Individual Involvement:** (Choice of 2 or a combination of 3)
  - Participate in an M-CHS sponsored activity each year **AND/OR**
  - 80 Community Service hours over 4 years **AND/OR**
  - 80 Hours of work experience over a 4 year period

For more information on the Honors Diploma Program, contact the program Coordinator Sonja Copeland at 565-3722 ext. 2194 / scopeland@cor tez.k12.co.us

### **VALEDICTORIAN:**

The valedictorian will be selected from the students who complete all the components of the Honors Diploma Program. Valedictorian will be awarded to the Honors Diploma candidate who successfully maintained the highest grade point average (GPA) during his or her four years at Montezuma-Cortez High School. The GPA will be based on student's cumulative GPA. **The GPA will include the final 2<sup>nd</sup> semester grades.**

If two or more students tie for the highest GPA, the highest SAT test score determines valedictorian. In the event of a tie with candidates who share the same GPA and SAT scores, then **the second tiebreaker shall compare scores from the ACT exam.** Although the SAT test may be taken more than once, the school will not pay for tests apart from the mandated junior year SAT test. All test scores must be submitted in an official SAT Exam Board report form to the M-CHS Registrar's Office by the last day of the third quarter of the senior year to be considered for valedictorian status. **Senior grades must be turned in the day prior to the senior checkout day.**

### **SALUTATORIAN:**

The Salutatorian will be the student in the Honors Diploma Program who has completed all the components of the program and has the second highest GPA. If two or more students tie for the highest GPA, the second highest SAT test score determines salutatorian.

### **HISTORIAN:**

The Historian will be the student/s in the Honors Diploma Program who have completed all the components of the program and qualified for the Salutatorian but were eliminated because of their SAT score or GPA. This Historian will only be awarded if the Honors Diploma Committee or administration feels it is necessary to recognize this/these students for their outstanding achievements at Montezuma-Cortez High School.

### **TOP HONOR'S DIPLOMA STUDENTS:**

During the senior year, students in the Honors Diploma Program will have their final grades used to determine the top students for that class. The top Honor's Diploma students of the senior class will be determined by the students' cumulative GPA that rank above 3.2. **Students who have modified grades will not be included. Juniors who graduate early forfeit their right to be ranked.**

### **NATIONAL HONOR SOCIETY:**

The National Honor Society requires a student to be a sophomore, junior, or senior who has completed three or more semesters, must have a 3.50 cumulative GPA, have a faculty nomination, have a faculty approval, and be involved in extra-curricular and/or community activities. To qualify for the National Honor Society, a student must carry at least three subjects a semester. NHS members will wear a stole at graduation.

### **HONOR ROLL:**

An Honor Roll is \*published in The Journal at the end of each semester for fulltime students. They are designated as:

<b>SCHOLARS</b>	<b>4.0*</b>	<b>Grade Point Average (fulltime student)</b>
<b>HONOR ROLL</b>	<b>3.7 – 3.90</b>	<b>Grade Point Average (fulltime student)</b>
<b>HONORABLE MENTION</b>	<b>3.2 – 3.69</b>	<b>Grade Point Average (fulltime student)</b>

**\*All students who are enrolled in Fast Track and/or Early Graduation will forfeit the right for the above-mentioned honors reserved for students attending M-CHS fulltime.**



**REQUIREMENTS FOR THE HONORS DIPLOMA PROGRAM**

**THE HONORS DIPLOMA PROGRAM REPRESENTS THE MOST RIGOROUS COURSE OF STUDY AT MONTEZUMA-CORTEZ HIGH SCHOOL.** Available to all fulltime students, the program provides an individualized experience for participants so they can get the most out of their experience at Montezuma-Cortez High School as well as prepare for future studies. **\*Please submit an application if you are planning to complete the Honors Diploma for priority consideration into Colorado's selective and highly selective colleges/universities. This document is available in the Counseling Office and requires a parent/guardian signature.**

**THE HONORS DIPLOMA CANDIDATES ARE REQUIRED TO COMPLETE ALL ASPECTS OF THE PROGRAM WHICH INCLUDES (5) five components:**

1. An Educational Plan – Graduation Requirements and an annual Individual Honors Education Plan (IHEP), and a 3.2 GPA.
2. Academic Excellence Requirement
3. Specialized Learning Assignment
4. ICAP (Individualized Career and Academic Plan)
5. Individual Involvement: (Choice of 2 or a combination of 3) ☐ Participate in an M-CHS sponsored activity each year AND/OR  
☐ 80 Community Service hours over 4 years AND/OR  
☐ 80 Hours of work experience over a 4 year period

1. M-CHS HONORS DIPLOMA PROGRAM GRADUATION REQUIREMENTS:	COURSE	CREDITS
	English	4.0 (Sen Eng must be on MCHS campus)
	Math	4.0
	Science	3.0
	Social Studies	3.0
	Physical Education	0.5
	Health	0.5
	Fine Arts (Music, Art, Drama)	1.0
	Foreign Language	2.0
	Electives	8.0
	<b>TOTAL</b>	<b>26.0</b>

**2. ACADEMIC EXCELLENCE REQUIREMENT: Choose 3 areas from the list of 8.**

In addition to fulfilling the course requirements above, Honors Diploma students must show academic excellence in 3 content areas.

1. READING, WRITING, COMMUNICATION - Complete 4 years with final 2 years being AP and/or PCC level.
2. MATHEMATICS - Complete 4 years with final year being AP Calculus.
3. NATURAL / PHYSICAL SCIENCE - Complete 4 years with one class being AP.
4. SOCIAL / BEHAVIORAL SCIENCE - Complete 4 years with one class being AP.
5. ART / VISUAL ARTS - Complete at least 3 years with the final year being AP or PCC level.
6. WORLD LANGUAGE - Complete at least 3 years with the final year being PCC level.
7. MUSIC – Make a choice and complete the following requirements  
☐ Band – complete 4 years of band  
☐ Choir – complete 4 years of choir, 2 years must be in Chamber Choir
8. CAREER and TECHNICAL EDUCATION (Programs must be completed with a B average)  
 Complete one of the following PCC/SCCC Programs – see PCC/SCCC Handbook for program requirements:  
☐ Auto Mechanics      ☐ Welding      ☐ Phlebotomy/CNA      ☐ Cosmetology  
OR Complete a minimum of 3 credits in one of the following M-CHS Career & Technical Education Programs:  
☐ Agriculture      ☐ Family & Consumer Sciences  
☐ Healthcare Emergency & Fire Management Services      ☐ Visual Design (Business and Media Publication)  
☐ Tech Theatre – 3 years participation with final year being Advanced Tech Theatre

**3. SPECIALIZED LEARNING COMPONENT:**

The specialized learning component is the combination of a research paper written in senior English class and a presentation. During the course of honors diploma students' high school career, they will have chosen 3 areas of academic excellence. From one of these areas, students will choose a specific area of focus upon which to expand, keeping in mind that "the greater good" will need to be incorporated. They will need to complete the paper and presentation by mid-April of their senior year. The Specialized Learning Assignment is an extension of their senior level English class research paper with an addition of a presentation mid April of their senior year.

**4. ALL STUDENTS MUST COMPLETE AN INDIVIDUALIZED CAREER and ACADEMIC PLAN (ICAP) prior to graduation:**

This will be completed in the required Advisory class.

**5. ALL STUDENTS MUST CHOOSE 2 OR A COMBINATION OF 3 OF THE FOLLOWING AREAS TO DEMONSTRATE 21<sup>st</sup> CENTURY SKILLS THROUGH PARTICIPATION IN EXTRA-CURRICULAR ACTIVITIES PRIOR TO GRADUATION:** A worksheet will be provided to track & document activities.

- SCHOOL ACTIVITIES: 4 years of school activities/athletics participation AND/OR  
VOLUNTEER ACTIVITIES: 80 hours of volunteer work  
WORK EXPERIENCE: 80 hours of work experience outside of home AND/OR

**Governance of Honors Diploma Program:**

The Honors Diploma Program Committee is composed of parents, teachers, and administrators from M-CHS as well as a representative from the district. The Honors Diploma Coordinator oversees and manages the daily workings of the program. **For more information, contact our Program Coordinator Sonja Copeland at 565-3722 ext. 2194, [scopeland@cortez.k12.co.us](mailto:scopeland@cortez.k12.co.us), or any member of the Honors Diploma Committee.**

**Reinstatement into the Honors Diploma Program:**

If an Honors Diploma candidate is removed from the program for any disciplinary or academic reason, he/she may submit a written request to be reinstated into the program. All requests for readmission will be submitted to the Honors Diploma Committee. The decision of the committee is final.

# AGRICULTURE

Students will develop and initiate a supervised agricultural experience program of their choice in either production of or placement in livestock, crops, or agriculture related business. Students are expected to join the (Future Farmers of America) FFA organization and actively participate in the activities of the organization that can provide for individual and team recognition and awards. **FEEs MAY BE EARNED BY FUNDRAISING THRU THE FFA.**

## AG101 AGRICULTURE I Class limited to 20

**Grade:** 9-10  
**Credits:** 1 Elective Credit  
**Prerequisite:** Shop fee & Protective clothing  
**Fees:** \$55.00 Class & FFA affiliation fee  
 (can be earned thru FFA Fundraisers)

Open to all high school students with **freshman given preference**. Agriculture I will consist of 70% class work and 30% agricultural mechanics. Class studies will include the history and development of the FFA organization, basic parliamentary procedure, principles and theory of supervised agricultural experience programs, basic record keeping, an introduction to animal science, basic feeds and nutrition, and an introduction to crop production including soil science. Agricultural mechanics will include basic shop safety, basic arc and oxyacetylene welding skills, use of hand and power tools. Student will also build a carpentry project to develop wood working skills. Students will develop and initiate a supervised occupational experience program of their choice in either production of or placement in livestock, crops, or agriculture related business. Students are expected to join the FFA organization and actively participate in the activities of the organization that can provide for individual and team recognition and awards.

## AG201 AGRICULTURE II

**Grade:** 10-12  
**Credits:** 1 Elective  
**Prerequisite:** Shop fee, protective clothing,  
 Completion of Agriculture I / Instructor Approval  
**Fees:** \$55.00 Class & FFA affiliation fee  
 (can be earned thru FFA Fundraisers)

Agriculture II will expand on the concepts developed in Agriculture I by increasing each student's competence in agricultural issues, animal sciences, agribusiness, plant and soil sciences, and agricultural mechanics. The course will be 60% class work and 40% agricultural mechanics or lab work. Each student will learn the basics of completing agricultural financial records, theory and practice of electrical circuits, architectural drafting, farm carpentry, public speaking, animal production systems, crop production, and career skills. Agricultural mechanics work will also include a personal project that will be designed and constructed by the student. Students must carry a supervised agricultural experience program (SAE) including a record book. Students are expected to join the FFA organization and participate in activities providing skills and advanced recognition to successful candidates.

## AG302 AGRICULTURE MECHANICS I

offered 2016-2017 (Alternating yrs w/ Ag Mechanics II)  
**Grade:** 11-12  
**Credit:** 1 Elective  
**Prerequisite:** Ag I & Ag II and Instructor Approval  
**Fees:** Class & FFA affiliation fee \$75.00

Students learn advanced welding skills, MIG, TIG, welding Cast Iron, Aluminum, and cutting with a Plasma Arc Torch. Learn basic skill of refinishing and painting equipment. Students learn the operation of gas and diesel engines through disassembly and reassembly, maintenance of

agricultural machinery. Develop an understanding of lubricants and maintenance schedules for equipment. Students will also build individual shop projects using the skill developed in the class. Students must maintain an SAE and be a member of FFA. Student organizations provide advanced recognition, awards and scholarship opportunities. This course is offered alternating yrs with Ag Mechanic II. This class is limited to 15 students.

## AG303 AGRICULTURE MECHANICS II

offered 2017-18 (Alternating yrs with Ag Mechanic I)  
**Grade:** 11-12  
**Credits:** 1 Elective  
**Prerequisite:** Ag I & Ag II and Instructor Approval  
**Fees:** \$75.00 Class & FFA affiliation fee

Students will learn basic construction including concrete, reading blue prints, electrical wiring, basic plumbing (PVC, Copper, and Pipe). Develop an understanding of hydraulics and the maintenance of hydraulic systems. Students will also build individual shop projects using the skill developed in class. Student must maintain an SAE and be a member of FFA. Student organizations provide advanced recognition, awards and scholarship opportunities. This class is limited to 15 students.

## AG308 ANIMAL & PLANT SCIENCE

offered 2018-19 (Alternating yrs with Ag Mgmt/Animal Science II)  
**Grade:** 11-12  
**Credit:** 1 Elective  
**Prerequisite:** Ag I & Ag II and Instructor Approval  
**Fees:** Class & FFA affiliation fee \$35.00

**Animal Science I** will expand on the concepts developed in AG I and AG II by increasing each student's competence in agricultural issues, cell structure and function, anatomy and physiology of common livestock, animal reproduction and genetics. **Plant and Soil Science** will expand on concepts developed in AG I and AG II by increasing each student's competence in agricultural issues, plant cell structure, plant structure and function, plant growth including photosynthesis and respiration, plant reproduction and genetics, crop varieties and identification, and environmental factors affecting plant growth. Soil types and structures, erosion, and soil testing will also be covered. Additional topics may include: irrigation, horticulture, floriculture and floral design. This is a science lab class.

## AG402 AGRIBUSINESS MANAGEMENT & MARKETING / ANIMAL SCIENCE II

offered 2017-18 (Alternating yr with Animal & Plant Science)  
**Grade:** 11-12  
**Credit:** 1 Elective  
**Prerequisite:** Ag I & Ag II and Instructor Approval  
**Fees:** Class & FFA affiliation fee \$25.00

**Agribusiness Management and Marketing** will expand on concepts developed in AG I and AG II by increasing each student's competence in financial statements and records (including extensive use of Microsoft Excel), entrepreneurial concepts, personal financial planning, Ag marketing including futures and forward contracts, and agricultural sales and issues. A business plan and presentation will be required. **Animal Science II** will expand on concepts developed in AG I and AG II by increasing each student's competence in agricultural issues, cell structure and function, anatomy and physiology of common livestock, animal health and digestion. Feeds and feeding including balancing rations will also be covered. Students must carry a supervised agricultural experience program. There is opportunity for students to receive college credit for Animal Science II.



# ART / VISUAL ARTS

## AR101 ART I / BASIC DESIGN

**Grades:** 9 – 12  
**Credit:** 1 Elective  
**Prerequisite:** None  
**Fees:** \$20 Art Supplies

This class is designed for beginning art students, as well as students who have had some art training. Drawing is the foundation of this course. The elements of design will be emphasized. Students will work in black and white as well as color. A variety of media will be explored. Beginning students are often surprised, after taking this class, how well they are able to draw. This is a great class that everyone can enjoy and experience a high level of success, regardless of ability.

## AR103 SCULPTURE / JEWELRY

**Grades:** 9 – 12  
**Credit:** 1 Elective  
**Prerequisite:** Instructor Approval  
**Fees:** \$30 Art Supplies/Art Card & Materials

Sculpture explores basic sculpture using a variety of mediums (wire, clay, plaster, etc) and techniques. Jewelry explores traditional and contemporary concepts using a variety of techniques. The elements and principles of design will be emphasized with craftsmanship as a vital part of all projects. Students will use a variety of materials and art appreciation resources to create alternating sculpture and jewelry projects.

## NA104 NATIVE VOICES/NATIVE HANDS

**Grades:** 9 – 12  
**Credit:** 1 Elective  
**Prerequisite:** None  
**Fees:** \$25 Art Supplies / Art Card & Materials

Native Voices-Native Hands will explore the music, art, writing and culture of indigenous peoples through creative hands-on activities. A variety of songs, essays, images, and movies will be discussed. Multiple projects will be created individually and in groups using a variety of traditional and contemporary materials and media. This course may be repeated for continuation and elective credit.

THE FOLLOWING TWO COURSES WILL BE TAUGHT CONCURRENTLY. STUDENTS WILL HAVE THE OPTION OF EARNING PCC CREDIT IN ADDITION TO EARNING AN M-CHS ELECTIVE CREDIT TOWARD GRADUATION. STUDENTS WHO WANT PCC CREDIT MUST REGISTER FOR THE COURSE BEFORE THE START OF SCHOOL IN AUGUST. PLEASE READ THE COURSE DESCRIPTIONS AND PRE-REQUISITES FOR BOTH COURSES BEFORE REGISTERING.

## AR201 ART II / PRINCIPLES OF DESIGN

**Grades:** 10-12  
**Credit:** 1 Elective  
**Prerequisite:** Successful completion of Art I / Instructor Approval  
**Fees:** \$20 Art Fee / Art Card & Materials

This course is designed for students wishing to explore a wider variety of art media and subject matter. The elements and principles of design will be emphasized through drawing, painting, and sculpture. In addition, projects will become more conceptual in nature and students will learn strategies to enhance their levels of creativity, problem solving techniques, and craftsmanship. This class prepares students for higher and advanced levels of art by using self-critiques, group critiques, and teacher assessments.

## PC616 PCC DRAWING 1

**3 CR. (6 STA)** ART121, Investigates the various approaches and media that students need to develop drawing skills and visual perception.

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## AR203 PHOTOGRAPHY

**Grades:** 11 – 12  
**Credit:** 1 Elective  
**Prerequisite:** 11 & 12 Only (1 year of art class or Teacher Approval)  
**Fees:** \$30 Art Fee / Art Card & Materials

This academic elective explores photography from a historical, technical and creative point of view. Semester 1 students will photograph a variety of off-campus assignments; learn the basics of black and white, color and digital photography, and study the effect of photography and photographers on history, culture and art. Semester 2 students will continue off-campus assignments, design commercial and marketing projects, create documentary and journalism projects and learn digital imaging with Adobe Photoshop. SCCC Art 101- optional. 3 credit SAT. (middle school art class included in consideration)

## PC138 PCC DIGITAL PHOTOGRAPHY I

**3 CR. (6 STA)**

ART139, Introduces the basic concepts of digital imaging as applied to photography. Using applicable technology and hands on experience, modern developments are presented leading to the present applications of digital imaging which combine traditional photographic ideas with electronic media. Enables the student to learn how to operate image manipulation software using a variety of scanning equipment, software tools and output devices by executing new assignments and applying these technologies to their photographic process.

## AR301 ART III / EXPLORATION IN ART

**Grades:** 11 – 12  
**Credit:** 1 Elective  
**Prerequisite:** Successful completion of Art I & Art II and Instructor Approval  
**Fees:** \$20 Art Fee / Art Card & Materials

This course is an advanced program for the visual arts student. The elements and principles of design will be emphasized. Projects will increase in complexity both in terms of technical skills as well as concept. Students will use a wide variety of art supplies. Exploration of subject & media will be emphasized (2D & 3D)

## AR302 \*AP ART III STUDIO DRAWING PORFOLIO \*\*2-D DESIGN PORFOLIO-DIGITAL PHOTOGRAPHY

**Grades:** 11 – 12 Only  
**Credit:** 1 Elective  
**Prerequisite:** STUDIO DRAWING PORFOLIO-Completion of Art I, Art II, & Instructor Approval / 2D DESIGN PORFOLIO - Digital Photography-Completion of Art I, Art II, & Instructor Approval  
**Fees:** \$20 Art Fee / Art Card & Materials

This class will prepare students to sit for the AP College Board Exam in Drawing or Design. This class will give serious art students a college level experience that will enhance their drawing and design skills. The elements and principles of design will be emphasized. Students who choose this course should expect to work on assignments outside of class time. Students will choose to complete either the Drawing or the Design Portfolio. The majority of students will need both Advanced Placement Art 3 and 4 to prepare their portfolio for the College Board Exam. In this course students will focus on a wide variety of subjects, art materials and techniques to complete the Breadth section of the three part portfolio. In exceptional cases, driven students could complete a Design Portfolio or Drawing Portfolio in Junior year and then complete the second portfolio Senior year.

## AR303 \*AP ART IV STUDIO DRAWING PORFOLIO \*\*2-D DESIGN PORFOLIO-DIGITAL PHOTOGRAPHY

**Grades:** 11 – 12 Only  
**Credit:** 1 Elective  
**Prerequisite:** Completion of Art I, Art II, & Adv Placement Art III  
**Fees:** Studio Drawing Portfolio or 2D Design Portfolio / Instructor Approval  
 \$20 Art Fee / Art Card & Materials

This class will give serious art students a college level experience that will enhance their drawing and design skills. The elements and principles of design will be emphasized. Students who choose this course should expect to work on assignments outside of class time. Students will choose to complete either the Studio Drawing Portfolio or the 2-D Design Portfolio. The majority of students will need both Adv. Placement Art 3 & 4 to prepare their portfolio for the College Board Exam. This class will prepare students to sit for the AP College Board Exam in Drawing or Design. In this course students will focus on a specific theme or area of concentration in order to complete the concentration section of the three part portfolio. In exceptional cases, driven students could complete both the 2-D Design Portfolio and the Studio Drawing Portfolio while in high school. Some additional technology fees may be necessary to complete the portfolio.

**APART III & AP ART IV** \*The Advanced Placement Program in Studio Drawing: Each student develops and submits a portfolio that serves as a direct demonstration of achievement. The term "drawing" is used very broadly; all sorts of art that involves directly making marks on a surface can fit into this portfolio. This includes not only work in traditional drawing media – such as pencils, ink, and pastels – but also many kinds of painting, printmaking, and other forms of expression. \*\*The Advanced Placement Program in 2-D Design: Each student develops and submits a portfolio that serves as a direct demonstration of achievement. The term "2-D Design" is used very broadly; a wide range of work can fit into this portfolio. The unifying idea for the portfolio is that the student focuses on making decisions about how to use the principles and elements of art to create works of art that convey meaning. In some cases, the "meaning" of the work may involve messages on a literal level (for example, graphic design, and product design). However, "meaning" is just as likely to take the form of abstract or purely visual coherence. What's critical is that sense of deliberate manipulation of the visual tools represented by the elements and principles. The work may be highly technological, or it may be created with the simplest means. Any two-dimensional medium may be used for this portfolio. This can be completed done through photography. However, if that is the intent, the student must provide his/her own digital camera from day one. \*\*2D Design Portfolio – Digital Photography – AP Art 3 is not a pre-requisite to take AP Art 4.

# BUSINESS & MEDIA/PUBLICATION

THE FOLLOWING TWO COURSES WILL BE TAUGHT CONCURRENTLY. STUDENTS WILL HAVE THE OPTION OF EARNING PCC CREDIT IN ADDITION TO EARNING AN M-CHS ELECTIVE CREDIT TOWARD GRADUATION. STUDENTS WHO WANT PCC CREDIT MUST REGISTER FOR THE COURSE BEFORE THE START OF SCHOOL IN AUGUST. PLEASE READ THE COURSE DESCRIPTIONS AND PRE-REQUISITES FOR BOTH COURSES BEFORE REGISTERING.

## BU207 COMPUTER APPLICATIONS I

**Grades:** 9 – 12  
**Credit:** 1 Elective  
**Prerequisite:** None  
**Fees:** \$15 Lab Fee

This is a basic hands-on computer course that will introduce students to video production using Microsoft MovieMaker (Unit 1), MinecraftEdu (Unit 2), Microsoft Office Word, Excel, Access and Power Point using OfficePro, an instructor led, online simulated course at testout.com (Unit 3), Adobe Photoshop (Unit 4), AutoCAD (Unit 5), and Gaming (Unit 6). Students will produce videos, web pages, a biography with title page, table of contents, page numbering, references, etc., a resume, a brochure, survey, and spreadsheets with formulas and charts. MinecraftEdu will be implemented throughout the year integrating assignments to build team work and critical thinking skills. The final wrap up of all projects will be to present what was learned throughout the course using Google Slides. Selected video projects from unit 1 will be submitted to state/local competition and MinecraftEdu players will be entered into national competition (optional).

## PC617 PCC INTRODUCTION TO PC APPLICATIONS 11&12only

CIS118 3CR(2L/1.5LBV) Introduces basic computer terminology, file management, and PC system components. Provides an overview of office application software including word processing, spreadsheets, databases, and presentation graphics. Includes the use of a web browser to access the internet.

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## BU206 TECHNOLOGY SYSTEMS DEVELOPMENT & PROGRAMMING

**Grades:** 9 – 12  
**Credit:** 1 Elective  
**Prerequisite:** Computer Applications I or Instructor Approval  
**Fees:** \$20 Lab Fee

This is a hands-on, instructor led, online simulated course using PCPro curriculum at testout.com; it will prepare each student to be a PC Technician and give work-ready skills for a job in the computer industry. The second half of the course will introduce computer science programming languages including JavaScript and Python. Some students will choose to use programming to develop gaming or internet interactive scripting. Advanced students will progress into the universal Java (not JavaScript) language and develop android apps. This course will prepare students for a post-graduation computer science major in college.

## PC144 PCC INTRO TO COMPUTER INFORMATION SYSTEMS

CCS115 3CR (3L) Focuses on an overview of the needs for and roles of computer information systems. Emphasizes computer requirements in organizations, history, hardware functions, programming, systems development, and computer operations. Introduces computer applications. 11& 12<sup>th</sup> grade only.

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## BU208 3D TECHNOLOGIES

**Grades:** 10 – 12  
**Credit:** 1 Elective  
**Prerequisite:** Geometry or currently enrolled in Geometry  
**Fees:** \$25 Lab Fee

Semester 1, students will be exposed to Revit 2016 Architecture Fundamentals which include 3D building model with walls, curtain walls, windows, and doors, adding floors and roofs to the building model, creating stairs, ceilings and lighting fixtures, adding component features such as furniture and equipment, setting up sheets for plotting with text, dimensions, details, tags, and schedules. Semester2, students will be exposed to Autodesk Inventor Professional 2016, a 3D mechanical drawing software. The 3D printer will be used to print models created by students during both semesters

AutoDesk Certified Professional Exam Practice can be completed throughout the course for an online fee. (Optional)

## PC306 PCC COMPUTER AIDED DRAFTING / 3D 11&12only

CAD202 3CR(1L/3LBV) Focuses on construction of three-dimensional objects using the latest release of CAD software. Includes wireframe construction, surface modeling, solid modeling, extrusions, Boolean operations, 3D editing, 3D views, rendering, and 3D to 2D construction.

## BU205 COMPUTER SCIENCE PRINCIPLES

**Grades:** 10 - 12  
**Credit:** 1 Elective

This course introduces students to the essential ideas of computer science and helps them to understand how technology can influence the world around them. Students will be exposed to a broad range of computing tools and skills while creatively addressing real-world issues and concerns. Students will conceive and implement digital projects, utilizing some of the same processes that writers, programmers, engineers, designers, and other creators use to bring their ideas to life. This course focuses on seven big ideas or “things to learn” (creativity, abstraction, data and information, algorithms, programming, the internet, and global impact) along with six computational thinking practices or “things to do” (connecting computing, creating computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating). Upon completion of this course, students will be prepared to take the AP Computer Science Principles exam.

THE FOLLOWING TWO COURSES WILL BE TAUGHT CONCURRENTLY. STUDENTS WILL HAVE THE OPTION OF EARNING PCC CREDIT IN ADDITION TO EARNING AN M-CHS ELECTIVE CREDIT TOWARD GRADUATION. STUDENTS WHO WANT PCC CREDIT MUST REGISTER FOR THE COURSE BEFORE THE START OF SCHOOL IN AUGUST. PLEASE READ THE COURSE DESCRIPTIONS AND PRE-REQUISITES FOR BOTH COURSES BEFORE REGISTERING.

## EN504 JOURNALISM: PANTHER PRESS

**Grades:** 9 – 12  
**Credit:** 1 Elective  
**Prerequisite:** Successful completion of your most current English class of a B or better is required to take this class.

This award-winning high school newspaper, The Panther Press, is a quarterly publication of over 8,000 issues that go into the Cortez Journal as an insert and an additional 800 issues are distributed in school. The paper and website [www.mchspanthernews.org](http://www.mchspanthernews.org) are both student run which gives the class freedom to take ownership to express their voice in the school and community. Students learn how to use these freedoms properly through media literacy, law and ethics. Students are also responsible for advertising and maintaining a budget for the paper. Editor-in-Chief, Managing Editor, Business Manager and other roles are assigned as needed. First year students sign up for Journalism I. Subsequent enrollment will be labeled as Journalism II, III, and IV. Students who complete 2 or more credits in journalism are considered “completers” and receive a certificate of completion. At times, deadlines require that staff members work after school, on weekends, and holidays.

## PC146 PCC FUNDAMENTALS OF REPORTING 11&12<sup>th</sup>

3 CR (3L) Introduces news writing, reporting and interviewing with an emphasis on clarity, accuracy, completeness, timeliness and fairness.

## EN503 YEARBOOK

**Grades:** 9 - 12  
**Credit:** 1 Elective  
**Prerequisite:** Successful completion of your most current English class of a B or better is required to take this class

Students will be taught the skills necessary to produce the Montezuma-Cortez High School Annual Yearbook. The year begins by planning the coverage (ladder) for the school year and designing a theme and a cover for the book. Students will study desktop publishing skills including layout and design techniques, writing and editing copy, headlines and picture captions. Students will also learn strategies of planning, marketing (ad sales) and distribution of the yearbook. At times, deadlines require that staff members work after school, on weekends, and holidays. Students will learn good work habits and ethics. The yearbook staff and adviser are responsible for all phases of yearbook publication. First year students sign up for Yearbook I. Subsequent enrollment will be labeled as Yearbook II, III, and IV. Students who complete 2 or more credits in yearbook are considered “completers” and receive a certificate of completion.

## DRAMA & THEATRE

### DA106 ACTING S1

**Grades:** 9-12

**Credit:** 0.5 Elective / 1<sup>st</sup> Semester

**Prerequisite:** An interest in and willingness to perform

Students will be introduced to the various aspects of theatre study and the performing arts. Students will explore the history of drama, from the ancient Greeks, through Shakespeare, and into modern musical theatre and film. Techniques for auditioning, vocalization, improvisation, character development, and pantomime will be studied through the performance of short scenes and monologues. Students will learn to express themselves creatively and confidently.

### DA206 TECHNICAL THEATRE S2

**Grades:** 9 – 12

**Credit:** 0.5 Elective / 2<sup>nd</sup> Semester

**Prerequisite:** An interest in theatre tech & willing to work hard

Students will be introduced to the basics of technical design and construction for the stage. Students will explore the basics of set design, lighting, sound design, prop construction, costume design, stage makeup, and set construction. Students will learn power tool safety and will be responsible for constructing much of the set for one or more theatre productions, so a strong self-motivated work ethic is necessary. The final project will require students to construct digital and physical models of set designs, pulling together everything learned during the course.

### DA204 FILM MAKING

**Grades:** 10 – 12

**Credit:** 1 Elective

**Prerequisite:** Instructor Approval

Students will explore the art and science of making movies through analysis and hands-on implementation. The course will provide students with a basic understanding of storyboarding, image composition, camera movement, lighting techniques, sound recording, visual effects, film acting, editing techniques, and screenplay writing. Students will study the use of various techniques through the viewing of film clips and screenplay excerpts as well as hands-on experimentation. The final project will be collaborative in nature and will involve the designing, planning, filming, and editing of a movie short.

### DA202 ADVANCED THEATRE STUDIES

**Grades:** 10-12

**Credit:** 1 Elective (Full Year)

**Prerequisite:** Technical Theatre or Acting & Instructor Approval

This course is designed as a way for advanced theatre students to continue to study their craft in technical theatre and / or acting. As an advanced level class, students are expected to be self-starters with a passion for artistic design and performance. Students will choose their area of interest from within the performing arts and focus on developing greater knowledge and experience within their skill area. Students interested in tech will choose at least one design area on which to focus, with a final culminating in a design portfolio that can be used for career and college applications. Students interested in performance will further develop their acting skills through monologues, scenes, and directing. The course will culminate in a major class production. Students in the Advanced Theatre class will also have a jumpstart on the design positions and acting roles for the fall and spring productions.

## FAMILY CONSUMER SCIENCE

### FC 206 CATERING I

**Grades:** 9 - 12

**Credit:** 1 Elective

**Prerequisite:** None

**Fees:** \$30

Want mad kitchen skills? This is where the magic happens. Students work in teams to discover the wonderful world of Safety and Sanitation; Fruits, Vegetables, & Legumes; Dairy; Meat; Starches and Grains; and Baking. You will spend half of your time learning information and skills that will make you a knowledgeable chef, and half of your time creating culinary masterpieces. By learning food science principles, you will be able to whip up good eats at home too! You will be shown how to work in a professional kitchen and will be expected to bring out the brilliant chef within by: tasting the foods you create, using safety and sanitation procedures, and trying out all of the kitchen duties. After this class, you'll be able to say, "If you can't stand the heat, get out of the kitchen!"

THE FOLLOWING TWO COURSES WILL BE TAUGHT CONCURRENTLY. STUDENTS WILL HAVE THE OPTION OF EARNING PCC CREDIT IN ADDITION TO EARNING AN M-CHS ELECTIVE CREDIT TOWARD GRADUATION. STUDENTS WHO WANT PCC CREDIT MUST REGISTER FOR THE COURSE BEFORE THE START OF SCHOOL IN AUGUST. PLEASE READ THE COURSE DESCRIPTIONS AND PREREQUISITES FOR BOTH COURSES BEFORE REGISTERING.

### FC208 CATERING II

**Grades:** 11 – 12

**Credit:** 1 Elective

**Prerequisite:** Catering I / CUA 101 & Instructor Approval

**Fees:** \$50.00 (\$25 towards ServSafe Certificate : \$25 for FCCLA affiliation)

Considering a career in the food service industry? This class is oriented for students who have a serious interest in the culinary arts. You will cater meals for your peers, the school district and the community which offers students a HANDS-ON experience with the business of food preparation, but also means you must commit to some after-school events. You will also be involved in community projects and field trips through FCCLA (Family, Career & Community Leaders of America).

### PC618 PCC FOOD SAFETY & SANITATION

CUA 101 2 CR (2L) Introduces the basic rules of sanitation, food-borne illnesses, safe food handling techniques, the HACCP Program, pest control procedures and local/state health rules and regulations for food service operations. At the completion of the course students take a nationally recognized test from the Education Foundation of the National Restaurant Association. If passed with a 75% or more, students receive a certificate from the Education Foundation.



## HEALTHCARE, EMERGENCY & FIRE MANAGEMENT SERVICES

### FR205 INTRODUCTION TO HEALTH CAREERS & Community Emergency Response Team

**Grades:** 9 – 12  
**Credit:** 1 Elective  
**Prerequisite:** None  
**Fees:** \$5 for CPR Card

Introductory course designed for students that want to enter a career in the health field and/or emergency services, fields that have unlimited potential for career growth. Students will learn the basic skills that are important in all health fields. Topics will include work traits for the health field. Fundamentals of safety, communication, cooperation, and organizational skills will be covered. Work ethics including attendance, character, teamwork, appearance, and attitude will be stressed throughout the course. This course is designed for 9th and 10th graders and will lay the foundation for subsequent courses in the program.

### FR202 INTRODUCTION TO FIRE SCIENCE

**Grades:** 10 – 12  
**Credit:** 1 Elective  
**Prerequisite:** Intro to Health Careers or Instructor Approval  
**Fees:** \$5 for CPR Card

This course develops introductory-level firefighting skills. Topics include fundamentals of safety, communications, fire behavior, protective equipment, ladders and hoses, water supply, ropes and knots, physical fitness, career opportunities, CPR/AED and First Aid.

THE FOLLOWING TWO COURSES WILL BE TAUGHT CONCURRENTLY. STUDENTS WILL HAVE THE OPTION OF EARNING PCC CREDIT IN ADDITION TO EARNING AN M-CHS ELECTIVE CREDIT TOWARD GRADUATION. STUDENTS WHO WANT PCC CREDIT MUST REGISTER FOR THE COURSE BEFORE THE START OF SCHOOL IN AUGUST. PLEASE READ THE COURSE DESCRIPTIONS AND PRE-REQUISITES FOR BOTH COURSES BEFORE REGISTERING.

### FR203 EMERGENCY MEDICAL RESPONDER

**Grades:** 11 - 12  
**Credit:** 1 Elective  
**Prerequisite:** Intro to Health Careers & Instructor Approval  
**Fees:** \$25

This course provides the student with the core knowledge and skills to function in the capacity of the first responder arriving at the scene of an emergency, providing supportive care until advanced EMS help arrives. Students will learn duties, responsibilities and legal aspects of the first responder as well as skill development in patient assessment, first aid measures and CPR. Career options will be explored.

### PC126 PCC EMERGENCY MEDICAL RESPONDER

**Grades:** 11 - 12  
**Credit:** 1 Elective & PCC Credits  
**Prerequisite:** Intro to Health Careers & Instructor Approval  
**Fees:** \$25 & PCC fees

EMS115, First Responder provides the student with core knowledge and skills to function in the capacity of a first responder arriving at the scene of an emergency, providing supportive care until advanced EMS help arrives.

### PC125 PCC EMT/Emergency Medical Technician

**Grades:** 12  
**Credit:** 1 Elective + SCCC Credits  
**Prerequisite:** Emergency Med Responder & Instructor Approval + REA090 or Equivalent Assessment  
**Fees:** \$25 Class Fee & PCC fees

Emergency Medical Services teaches knowledge of the emergency medical field including duties, responsibilities, and legal aspects as well as skill development in patient assessment, communication, first aid measures, and the use of emergency medical equipment. Careers in the emergency medical field will be explored. This course enables the student, after successful completion of this course to take the EMT certification written and practical examinations subject to the requirements of the Colorado Department of Health and Environment. Students must be present for 157 hours of instruction time and complete 24 clinical hours with the ambulance. Students must be 18 years of age to take State and National examinations.

### PC124 MEDICAL TERMINOLOGY (Online)

**Grades:** 11 – 12  
**Credit:** 1 Elective  
**Prerequisite:** Intro to Health Careers or Instructor Approval  
**Fees:** Online & Book Fees

**THIS ONLINE CLASS** introduces the student to medical terminology through the study of word structures such as common medical prefixes & suffixes and the origins of terminology currently used in medical practice. Also includes basic anatomy and physiology, appropriate medical terminology, and procedures and diagnostic testing for each body system. Exercises in reading, writing and speaking new vocabularies are required. This course also includes an introduction to the medical record. Students read and analyze patient records. In turn, students are assigned writing exercise creating medical records using learned vocabulary.

## PHYSICAL EDUCATION

### 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, & 12<sup>th</sup> GRADE OPTIONS:

**Semester 1 or 2:** Weight Training  
 Lifetime & Team Sports

**Year Long:** Athletic Strength & Conditioning

**FEES/REQUIREMENT:** All classes listed above must wear shorts or sweats, t-shirt, & athletic shoes. / NO FEES

### PE101 WEIGHT TRAINING

**Grades:** 9-12  
**Credit:** 1.0 PE  
**Prerequisite:** None

This class will focus on learning proper weight lifting techniques, development of muscular strength and muscular endurance.

### PE112 LIFETIME & TEAM SPORTS

**Grades:** 9-12  
**Credit:** 0.5 PE  
**Prerequisite:** None

Lifetime Sports is open to all students. This class will focus on Lifetime Sports such as: Pickleball, Badminton. This class includes the focus on Team Sports such as: Ultimate Frisbee, Flag Football, Softball, Soccer, Volleyball, Basketball, Lacrosse, and Floor Hockey. Student will also participate in a daily cardio, flexibility, and muscular endurance program.

### PE201 ADOLESCENT ISSUES

**Grades:** 9-12  
**Credit:** 0.5 Health  
**Prerequisite:** None

This class is required for graduation. It is available for freshmen, sophomore, juniors, and seniors. This course is designed to increase student knowledge and awareness of many of today's important health issues. The areas of learning include: Health Concepts/Terms; Fitness & Nutrition; Alcohol/Tobacco/Drugs; Abstinence/ Reproduction and Heredity; Sexuality and Relationship/ Pregnancy and Childbirth; Sexual Transmitted Diseases and HIV/AIDS.

### PE301 ATHLETIC STRENGTH & CONDITIONING

**Grades:** 9-12  
**Credit:** 1.0 PE  
**Prerequisite:** Instructor Approval

The class will focus on strength, speed, overall aspects or sports specific training. This class will also focus on advanced weight lifting techniques, development of muscular strength and muscular endurance.

# MUSIC

## ALTERNATIVE PHYSICAL EDUCATION CREDIT FOR BAND:

M-CHS will offer an independent study PE credit for Band Members who complete the following requirements starting with the graduating class of 2015:

- Please see your counselor to complete the approval process.
- Student must complete and receive 0.5 credit for 4 years of marching band, symphonic winds, and be in good standing.
- Students will provide documentation of eligibility requirements prior to beginning of senior year to the principal. Student must complete Health requirement through Teen Challenges, Adolescent Issues, or complete an online health class to satisfy M-CHS Health credit requirements with any of these alternative opportunities

## MU101 ADVANCED BAND MU102

**Grades:** 9-12  
**Credit:** 1 Elective  
**Prerequisite:** Audition Only & Director Approval  
**Fees:** \$40.00 Activity fee

The activities consist of marching and concert events throughout the year. This group is designed to serve the needs of the more advanced instrumentalists. Placement in this group is by audition & instructor approval. Course should be taken for a full year. Attendance is mandatory. STUDENTS MUST REMAIN ACADEMICALLY ELIGIBLE IN ORDER TO PERFORM WITH THIS ENSEMBLE.

## MU109 CONCERT INTERMEDIATE BAND MU110

**Grades:** 9-12  
**Credit:** 1 Elective  
**Prerequisite:** Prior instrumental experience is required  
**Fees:** \$10 Activity Fee

This course is geared towards students who wish to continue their study of instrumental music without the extracurricular demands of Advanced Band. The purpose of this class is for students to develop an understanding of a broad range of musical concepts through the study and performance of a variety of literature in the context of different ensembles. Students will perform 2-3 concerts per semester.

## MU105 COLOR GUARD S1

**Grades:** 9-12  
**Credit:** 0.5 Elective / 1<sup>st</sup> Sem. Only  
**Prerequisite:** Audition Only & Director Approval  
**Fees:** \$40.00 Activity fee

Color Guard is a semester class that coincides that Marching Band. This class is a visual interpretative movement class. Must audition and be accepted to perform as a color guard unit during fall marching band competitions. Much emphasis is placed on dance and musical interpretation. This group will have before school practices throughout the fall. Students must remain academically eligible in order to perform with this ensemble.

## MU111 BEGINNING PERCUSSION

**Grades:** 9-12  
**Credit:** 1 Elective  
**Prerequisite:** None / Size 2B drum sticks

Students only need to purchase a pair of drum sticks. Any Brand, Size 2B.

## MU103 JAZZ ENSEMBLE S2

**Grades:** 9-12  
**Credit:** 0.75 Elective / 2nd Semester  
**Prerequisite:** Audition Only & Director Approval

Jazz Ensemble I (By Audition Only to any student in Symphonic Winds). A survey, through performance, of literature written for this medium.

Emphasis on Jazz improvising, rhythms, and styles that provide a well rounded jazz player. The students are expected to take responsible roles in the ensemble such as soloist, section leaders, or a mastery level in their prepared ensemble pieces. STUDENTS MUST REMAIN ACADEMICALLY ELIGIBLE IN ORDER TO PERFORM.

## MU112 MUSIC APPRECIATION MU115

**Grades:** 9-12  
**Credit:** Elective (1 Semester only)  
**Prerequisite:** None  
**Fees:** None

In this course, students will examine and study the role of music in our society, culture, world, and lives. Through the exploration of various genres, technologies, and world events, students will leave this class with a better understanding and appreciation of the role of music in our lives and modern world. Please note that no prior experience in music is required.

## MU113 INTRODUCTION TO GUITAR

**Grades:** 9-12  
**Credit:** 1 Elective  
**Prerequisite:** None  
**Fees:** \$10, students must provide their own guitar

Open to all students with an interest in learning basic guitar skills. Class is designed for beginning guitar players to learn to fluently read music and understand basic technique. Students will study basic music notation, a variety of styles and genres, composition, and performance. Semester efforts will be showcased in a final recital that will take place after school towards the end of each semester. Please note that students are responsible for providing their own guitars.

## MU116 INSTRUMENTAL METHODS

**Grades:** 9-12  
**Credit:** 1 Elective  
**Prerequisite:** None  
**Fees:** \$15, instruments and reeds will be provided

Open to all students with an interest in learning a band instrument. First semester course material will include an introduction to music theory, a 4-week study of woodwind instruments, a 4-week study of brass instruments, a 4-week study of percussion instruments, and a 4-week advanced study of an instrument of the student's choice. Second semester studies will explore the demands of ensemble playing with final efforts being showcased in a concert at the end of the year. This course is recommended for beginners or experienced instrumentalists looking to study a secondary instrument. Exceptional students may advance to the Concert Intermediate Band.

## MU201 CHAMBER CHOIR MU202

**Grades:** 9-12  
**Credit:** 1 Elective  
**Prerequisite:** Audition Only & Director Approval  
**Fees:** Required to purchase: dress \$70-75 / tuxedo \$120

This class is designed to challenge the more serious vocal student. It is by audition only. Every student must audition or re-audition each year. The musical selections performed by this group consist of traditional, classical, jazz and contemporary choral works. Students in this ensemble will participate in a variety of performances, competitions and honor choirs. To maintain a high level of quality there will be extra rehearsals scheduled outside of school time. This class is also required to participate in different fundraisers in order to fund travel.

## MU203 CONCERT CHOIR MU204

**Grades:** 9-12  
**Credit:** 1 Elective  
**Prerequisite:** None

This class is for anyone who would like to learn how to sing and wishing to learn how to sing on an individual level. This class will focus on the fundamentals of singing such as sight-reading, tone quality, matching pitch, correct posture, and good vocal techniques. The musical selections performed by this group consists of traditional, some classical and some pop music. This is a great college-preparatory vocal class for any student wishing to further their vocal skills in college. Participation in this class will prepare any student wishing to audition for the Chamber Choir.

## MU206 PIANO CLASS

**Grades:** 9-12  
**Credit:** 1 Elective  
**Prerequisite:** None / Maximum of 12 students

Open to all students that are interested in learning basic piano skills. Class is designed for beginning piano players to fluently read simple piano music and elementary technique. The students will extend their knowledge, playing with appropriate technique, music written in multiple parts, blend, and matching dynamic levels. Students will read and notate music, create music, listen to, analyze, evaluate, and describe music. Students will also relate music to various historical and cultural traditions. This class is open to all students. Students, who excel through method 1, will continue through method 2, and 3.

## MU106 MUSIC THEORY

**Grades:** 9-12 Offered even years 2016, 2018  
**Credit:** 1 Elective  
**Prerequisite:** Audition Only / Director Approval

Highly recommended for students considering majoring in music, both vocal and instrumental. Only offered of odd years 2015, 2017, 2019. Class is designed for the student who is intensely interested in the workings of music. Material covered will include harmony, music history and ear training. Included will be master classes by college faculty from area colleges and universities, focusing on performing on the various instruments. Also included will be a focus on preparing music for solo and ensemble literature, as well as an emphasis on college and honor band audition material. Students must be enrolled in a band or choir class, or have a piano background to participate in this class. This class is designed to serve the needs of students transitioning from one instrument to another (switch from sax to bassoon). Instructor approval is mandatory to enter this class.



# WORLD LANGUAGES

## FL301 FRENCH BEGINNING I

**Grades:** 9 – 12  
**Credit:** 1 Elective  
**Prerequisite:** None

This beginning level course will focus on basic communication skills of listening, speaking, writing, and reading French incorporating 21 Century learning concepts. Students will be introduced to the French-speaking countries around the world, cinema in France, art, cuisine, and other cultural aspects.

## FL302 FRENCH BEGINNING II

**Grades:** 10 – 12  
**Credit:** 1 Elective  
**Prerequisite:** Beginning French I with a “C” or better / Instructor Approval  
 This course offers a continuation of the basic communication skills in French I. Students will continue to build their communication skills in all 4 areas as well as delve deeper into the culture.

## FL303 FRENCH INTERMEDIATE I

**Grades:** 10 – 12  
**Credit:** 1 Elective  
**Prerequisite:** Beginning French I & Beginning French II with a “C” or better / Instructor Approval

This course continues to build on the 4 basic communication skills, while encouraging students to work towards fluency in the language and mastery of grammar. Students will be reading excerpts from French literature and discussing literary topics in French. Culture continues to be a part of the coursework. (This Class is available for college credit from PCC / must get Instructor Approval)

## PC102 PCC FRENCH LANGUAGE I FRE 111

5 CR. (5L)  
**PRQ:** Accuplacer score of SS 70+, or successful completion of any CCR course with a grade of S/C or better. Develops students' interpretive, interpersonal, and presentational communicative abilities in the language. Integrates these skills in the cultural contexts in which the language is used. Offers a foundation in the analysis of culture.

## FL304 FRENCH INTERMEDIATE II

**Grades:** 11 – 12  
**Credit:** 1 Elective  
**Prerequisite:** Completion of Intermediate French I with a “C” or better / Instructor Approval

This course is a continuation of Intermediate I. Students will be introduced to French Literature by reading excerpts from famous French authors. Conversation is conducted mostly in French. Students will write a literary analysis paper at the end of the year. (This class is available for college credit from PCC/Student must get Instructor Approval)

## PC105 PCC FRENCH LANGUAGE II FRE112

5 CR. (5L)  
**PRQ:** Successful completion of FRE 111, or permission of the Department Chair. Expands students' interpretive, interpersonal, and presentational communicative abilities in the language across the disciplines. Integrates these skills with the study of the cultures in which the language is used. Offers a foundation in the analysis of culture and develops intercultural communicative strategies.

## FL201 SPANISH BEGINNING I

**Grades:** 9 – 12  
**Credit:** 1 Elective  
**Prerequisite:** None

Beginning Spanish 1 introduces the students to basics of the Spanish Language. Students will learn vocabulary, grammar and culture through listening, reading, writing and speaking activities incorporating 21 Century learning concepts.

## FL202 SPANISH BEGINNING II

**Grades:** 10 – 12  
**Credit:** 1 Elective

**Prerequisite:** Beginning Spanish I with a “C” or better / Instructor Approval  
 Beginning Spanish 2 is a continuation of Beginning Spanish 1. This course will continue with vocabulary, grammar, and cultural activities that will expand the basic Spanish knowledge gained in Spanish 1. The focus of this class is to reinforce the present tense conjugations and to introduce and practice the preterit conjugations in past tense.

## FL203 SPANISH INTERMEDIATE I

**Grades:** 10 – 12  
**Credit:** 1 Elective

**Prerequisite:** Beginning Spanish II with a “C” or better / Instructor Approval  
 This course begins with a thorough review of beginning Spanish through activities in reading, listening, writing and speaking. Mastery of present, preterit, imperfect, future and conditional conjugations is practiced along with vocabulary building exercises.

## FL401 NAVAJO LANGUAGE I - online

**Grades:** 9 – 12  
**Credit:** 1 Elective  
**Prerequisite:** None

Navajo Language I is designed to develop skills and the understanding of the language through the use of Navajo alphabet, its sound, and its structure. The student will also learn to read write Navajo and as well as learn to introduce themselves in Navajo using their 4 basic clans.

## FL402 NAVAJO LANGUAGE II - online

**Grades:** 10 – 12  
**Credit:** 1 Elective  
**Prerequisite:** Navajo Language I

The course focuses on continuation of exercises and drills to help the language learner develop conversation, skills in reading and writing gained in Navajo Language I. The students will use complete verb paradigms, construction of the verb, including the third/fourth person alternative verbs, to build vocabulary and to be able to carry on a lengthy conversation.

## FL403 NAVAJO GOVERNMENT - online

**Grades:** 10-12  
**Credit:** 1 Elective  
**Prerequisite:** Completion of Navajo Language I

The students will be introduced to Navajo Cultural Foundation: the values and norms that each Navajo grows up with, from a traditional sense and what identifies him or her as a Navajo person. Since the general American government course usually begins with the founding fathers, so will with this course. This course will begin with the chronological approach and will study Navajo government starting with the early traditional system of leadership, the headman system, the Dine' Naachid (way of life), the war chiefs and peace chiefs, and their system of governance.

(applies to specific grades)

# Other Elective Opportunities

## SA100 SAT PREP (Online Class)

**Grade:** 11  
**Credit:** 0.5 or 1.0 Elective  
**Prerequisite:** None

The SAT is a difficult test, but reaching your maximum score shouldn't be. This class will prepare you for the SAT courses and contain everything you need to quickly improve your skills and confidence on the SAT test. Each course features engaging, expert and personalized instruction.

## TA108 STUDENT MENTOR (Kidz-to-Kidz)

**Grade:** 9-12  
**Credit:** 0.5 Elective or 1 Elective

**Prerequisite:** You will have Bridge trainings thru-out the year  
 Participating in the Bridge Program will provide you with the opportunity to learn about disabilities, diversity, and acceptance. This elective will be of special interest to students who may wish to pursue careers in education or the health care professions. You will support students with disabilities in their class and assist them to succeed by helping them complete class assignments and participate in class. You will receive assistance from the Exceptional Student Education staff. It is crucial for students participating in this program to have consistent attendance as well as have the ability to ask questions and give staff feedback to ensure a successful experience for you and the student(s) you will support. We will provide you with necessary materials and information for the specific student(s) and class(es) at that time. You will participate in Bridge trainings throughout the year depending on need.

## SS307 PSYCHOLOGY

**Grades:** 11-12  
**Credit:** 1 Elective  
**Prerequisite:** None

This course is an introduction to the scientific study of behavior and mental processes. This class includes historical foundations, research methods, biological basis for behavior, learning, memory, motivation, personality, psychological disorders, and therapy.

## SS304 CULTURAL ANTHROPOLOGY/ARCHAEOLOGY & NATIVE AMERICAN CULTURES

**Credit:** 0.5 Elective  
**Grades:** 11-12 Only  
**Prerequisite:** World History & American History

Anthropology is a discipline through which we seek to understand human nature and the broad implications of social interaction. It is at once personal and yet scientific. In this course, we will study societies first hand with a humanistic interest cultures and customs. We will use a scientific approach to gather information that will ultimately lead to a greater appreciation and acceptance of the diversity in human societies. In this course we will study the science of culture, survival and adaptation, society and social life, ideology and symbolism, and cultural change and diversity. In addition students will also study local Native American culture to further their understanding of local cultures and diversity. This course will focus on learning about people, tolerance, diversity, and understanding of other cultures worldwide. Students will explore in literature, video, and by observation. Students will be required to read Dee Brown's I Bury My Heart at Wounded Knee, view 500 Nations, and utilize the texts Native Americans and Keepers of the Earth. THIS CLASS IS OFFERED TO JUNIORS AND SENIORS ONLY.

## SS308 ECONOMICS & GLOBALIZATION

**Credit:** 0.5 Elective  
**Grades:** 11-12 Only

**Prerequisite:** World Geography or World History, American History  
 This course has been designed to engage the student who has an interest in exploring and making sense of some of the complex changes that are taking place globally. This course will seek to challenge the student to consider the local or global perspective on a particular issue. This class is designed to take much of the student's basic understanding of the world covered in previous social studies classes and give a deeper understanding of the world today. This class will be a C21 technology based class using internet and technology based resources. Topics will include Cultural Practices and the Status of Women, Ethnic and Religious Conflict, Nuclear Proliferation, Health and Welfare, Human Rights, Feeding the World, Power Sources of the 21<sup>st</sup> Century, and Globalization. THIS CLASS IS OFFERED TO JUNIORS AND SENIORS ONLY.

## CT101 INTERNSHIP

**Grade:** 12 ONLY  
**Credit:** 0.5 or 1.0 Elective (Pass/Fail Class)

**Prerequisite:** 12<sup>th</sup> w/ a GPA of 3.0 or above / graduation requirements met  
 See your Counselor for information. Student maturity level, good grades, good attendance, and no discipline record are also reviewed for internship. Internships are open to any senior student to explore their career plans. Students will go through an interview process with the employer. Internships vary from semester to a full year. Students must make plans during their junior year so that a placement station can be arranged. Transportation for the internship is the student's responsibility. **Senior must have CTE Director and Counselor approval.**

## CT103 SENIOR WORK STUDY

**Grade:** 12 ONLY  
**Credit:** 0.5 or 1.0 Elective  
**Prerequisite:** Must have Counselor Approval & Graduation Requirements on track to graduate.

Student maturity level, good grades, good attendance, and no discipline record will be reviewed for senior work study. This program is designed to help young people that need to work during the school year and still receive credit. Student must make arrangements for their own employment and will be required to turn in their paystubs to the Counseling Office.

## TA101 SENIOR STUDENT AIDE

**Grade:** 12 ONLY  
**Credit:** 1 Elective (A,B,C,D, F grade issued)

**Student may receive only 1 elective credit total for TA**  
 Student Aide Procedures and Criteria that will be reviewed: Student's maturity level, good grades, good attendance, and no discipline record. This is an aide position that will be assigned by the counseling office. When assigned, the student will do any work assigned to them by the instructor(s). Some requirements and training will be using the copy machines, faxing, typing, telephone courtesy, and meeting the public. Confidentiality, attendance & being on time, dress and appearance, responsibility and proper language are a must. Attendance and reliability are crucial as the student will sign a contract. If assigned to an Elementary school or to CMS, student must have their own transportation.

## Av101 AVID COLLEGE PREP 9<sup>th</sup> & 10<sup>th</sup>

**Grades:** 9-10  
**Credit:** 1.0 Elective

The AVID course is an elective class for students who are college-bound. The AVID curriculum focuses on writing, inquiry, collaboration and reading (WICR) through the AVID High School curriculum in both teacher and tutor-led activities. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. Note-taking, outlining, writing, speaking, reading, test-taking strategies, and self-awareness are stressed. In addition, the course includes college motivational activities and intensive preparation for SAT.

# ENGLISH

## English Sequences

Montezuma-Cortez High School requires four (4) credits of English to graduate.

	Freshman Year	Sophomore Year	Junior Year	Senior Year
ACADEMIC LEVEL	English 1	English 2	English 3	English 4
HONORS LEVEL	Advanced English 1	Advanced English 2	AP English 3 Advanced Placement Language & Composition <b>PCC English 121/122</b> English Composition I & II	AP English 4 Advanced Placement Literature & Composition <b>PCC English LIT115</b> Introduction to Literature I
Electives	Literacy Workshop Yearbook Journalism Acting 1 S1 Technical Theatre S2	Literacy Workshop Yearbook Journalism Acting 1 S1 Technical Theatre S2 Film Making Adv Theatre Studies	Literacy Workshop Yearbook Journalism Acting 1 S1 Technical Theatre S2 Film Making Adv Theatre Studies	Literacy Workshop Yearbook Journalism Acting 1 S1 Technical Theatre S2 Film Making Adv Theatre Studies

\* Each English class requires successful completion of a Portfolio that demonstrates a student's proficiency of reading and writing skills.

### EN115 LITERACY WORKSHOP

**Grade:** 9-12  
**Credit:** 1 Elective

Students will be placed based on reading scores, previous academic achievement, and principal/teacher recommendation. A balanced literacy program emphasizing developmental reading instruction designed specifically for students who are reading below their current grade level. Emphasis is to increase students' reading comprehension strategies, application of flexible decoding strategies, reading vocabulary, and metacognitive strategies for reading both narrative and informational text with comprehension and fluency. Areas of focus are those critical to adolescent reading improvement: word study, fluency, vocabulary, comprehension, and motivation. Students will explore various genres in-depth including non-fiction, to aid in studying textbooks, and recently published high-interest young adult fiction.

### EN108 ENGLISH 1

**Grade:** 9  
**Credit:** 1 English  
**Prerequisite:** None

This is a required Freshman English course (students with accelerated skills should choose Advanced English 1). Grammar instruction will include parts of speech, phrases and clauses, subject-verb and pronoun-antecedent agreement, and sentence types. Writing instruction will move from well-formed paragraphs to essays and include a variety of genres to analyze, persuade, inform, evaluate, and entertain. Student will also develop reading comprehension, literary analysis, and vocabulary skills.

### EN109 ADVANCED ENGLISH 1

**Grade:** 9  
**Credit:** 1 English  
**Prerequisite:** PROFICIENT or ADVANCED on Reading and Writing Assessments

This class is recommended for those students planning to attend college or for students wanting to accelerate their knowledge of the English language—both in reading and writing. Students will review the grammatical foundations of the language and apply that proficiency to their writing and their reading. Careful analysis of difficult reading is a part of the daily regimen. Significant independent reading and writing in a variety of genres is required.

### EN208 ENGLISH 2

**Grade:** 10  
**Credit:** 1 English  
**Prerequisite:** Successful Completion of EN108 or EN109

This is a required class to meet M-CHS graduation requirements (students with accelerated skills should choose Advanced English 2). Students will continue to improve their reading and writing skills. Written proficiency in the four basic genres of written expression is required. In the second half of the course students will be exposed to a survey of four literary genres: short story, drama, poetry, and the novel. Emphasis will be placed on learning the fundamentals of literary terminology and applying these terms to the way specific literary forms are created. Composition skills will focus on analytical writing about literature.

### EN209 ADVANCED ENGLISH 2

**Grade:** 10  
**Credit:** 1 English  
**Prerequisite:** Completion of EN109 or instructor approval

This advanced class can be used to meet the required sophomore level English requirement for graduation. It is designed for students who took the Advanced Freshman English class and who want to accelerate and challenge themselves in preparation for Advanced Placement and college level classes. Students will be exposed to a survey of literary genres. Composition will focus on sophisticated students' abilities to write analytically about literature.

**EN307 ENGLISH 3****Grade:** 11**Credit:** 1 English**Prerequisite:** Successful Completion of English 2

This course focuses on all aspects of American literature, including the Native American, Puritan, Romantic, Transcendental, Realist, and Modern Periods. The genres include histories, letters, essays, poetry, short stories, drama, and the novel. Vocabulary development, grammar study, literary term application, test-taking skills, and research methods are practiced. Students will utilize a variety of composition skills including, summarizing, essay writing, close reading annotation, and analysis. A research paper is required.

THE FOLLOWING TWO COURSES – AP ENGLISH 3 AND PCC ENGLISH 121/PCC ENGLISH 122 - WILL BE TAUGHT CONCURRENTLY. STUDENTS WILL HAVE THE OPTION OF EARNING PCC CREDIT AND/OR AP CREDIT, IN ADDITION TO EARNING REQUIRED M-CHS CREDIT TOWARD GRADUATION. STUDENTS WHO WANT PCC CREDIT MUST REGISTER FOR THE COURSE BEFORE THE START OF SCHOOL IN AUGUST. PLEASE READ THE COURSE DESCRIPTIONS AND PRE-REQUISITES FOR BOTH COURSES BEFORE REGISTERING.

**EN305 \*AP ENGLISH 3:  
Advanced Placement English Language & Comp****Grade:** 11**Credit:** 1 English**Prerequisite:** Successful Completion of Advanced English 2 or Instructor approval

Students enrolled in this course will receive instruction that prepares them to sit for the Advanced Placement College Board Exam in English Language and Composition. The curriculum includes in-depth analysis and practice of the rhetorical strategies and tools used in effective writing and literature. Students will read, analyze, and respond in writing to novels, short fiction, and a variety of non-fiction. The course may be taken as partial requirement for the M-CHS Honors diploma.

**PC615 PCC ENGLISH 121 / PCC ENGLISH 122****ENG 121 ENGLISH COMPOSITION I: GT-CO1 3 CR. (3L)**

**PRQ: Accuplacer score of SS 95+, or successful completion of CCR 092 or CCR 093 with a grade of S/C or better.** Emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course includes a minimum of five compositions that stress analytical, evaluative, and persuasive/argumentative writing. This course is one of the Statewide Guaranteed Transfer Courses, GT-CO1.

**ENG 122 ENGLISH COMPOSITION II: GT-CO2 3 CR. (3L)**

**PRQ: Successful completion of ENG 121 with a grade of C or better.** Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or persuasive papers that incorporate research. This course is one of the Statewide Guaranteed Transfer Courses, GT-CO2.

**EN406 ENGLISH 4****Grade:** 12**Credit:** 1 English**Prerequisite:** Successful Completion of 9<sup>th</sup>, 10<sup>th</sup>, & 11<sup>th</sup> grade level English Courses

This course explores our literary heritage. Students will read, interpret, and analyze a variety of texts across the literary genres. There is a continuing emphasis on composition skills – analytical, persuasive, and creative – during the entire semester. Satisfactory completion of a research project is required.

THE FOLLOWING TWO COURSES – AP ENGLISH 4 AND PCC ENGLISH 115 - WILL BE TAUGHT CONCURRENTLY. STUDENTS WILL HAVE THE OPTION OF EARNING PCC CREDIT AND/OR AP CREDIT, IN ADDITION TO EARNING REQUIRED M-CHS CREDIT TOWARD GRADUATION. STUDENTS WHO WANT PCC CREDIT MUST REGISTER FOR THE COURSE BEFORE THE START OF SCHOOL IN AUGUST. PLEASE READ THE COURSE DESCRIPTIONS AND PRE-REQUISITES FOR BOTH COURSES BEFORE REGISTERING.

**EN405 \*AP ENGLISH 4:  
Advanced Placement English Literature & Comp****Grade:** 12**Credit:** 1 English**Prerequisite:** Successful Completion of AP English 3 or Instructor approval

Students enrolled in this course will receive instruction to prepare them for the AP College Board examination in Literature and Composition. Curriculum includes the study of drama, novels, and poetry to help students refine their ability to think and write analytically about literature. Students will also be exposed to multiple-choice practice over literary passages. The course may be taken as partial requirement for the M-CHS Honors diploma.

**PC115 AP/PCC INTRODUCTION TO LITERATURE I**

**PRQ: Accuplacer score of SS 95+, or successful completion of any CCR course with a grade of S/C or better.**

LIT115, Introduces students to fiction, poetry, and drama. Emphasizes active and responsive reading. This course is one of the Statewide Guaranteed Transfer Courses, GT-AH2. 3 CR. (3L)

**\*ADVANCED PLACEMENT** courses culminate in an exam, which is administered in May. These examinations require that students pay a testing fee. All students enrolled in these courses, are expected to sit for these summative exams. The individual teachers, based on financial issues or poor performance in the course, may offer exemptions from this policy, but students who DO NOT SIT FOR THE EXAM will not receive an AP course designation on their high school transcript.



# MATHEMATICS

## Math Sequences

Montezuma-Cortez High School requires three (3) credits of Mathematics to graduate.

**MATH PATHWAYS:** All entering freshmen will be placed in their math courses by the M-CHS math department or freshmen counselor. Placement is based on math MAPs data, and state standardized test scores. Students planning to attend college or students wanting to graduate with an Honors Diploma will need 4 math credits beginning with Algebra I. Each course listed in the pathways is the minimum graduation requirement. The math department recommends taking additional courses depending on your career pathway.

**MATH REQUIRED CLASSES:** Algebra 1 → Geometry or Advanced Geometry → Algebra 2 or Advanced Algebra 2

**ADDITIONAL MATH CLASSES:** Algebra A & B, Statistics / PCC Statistics, Pre-Calculus/Trigonometry / PCC Trigonometry, AP Calculus / PCC Calculus

	Freshman Year	Sophomore Year	Junior Year	Senior Year
<b>PATHWAY 1:</b> is for entering freshmen who are below grade level. They will be placed into Algebra A.				
Pathway 1	Algebra A	Algebra B	Geometry	Algebra 2
<b>PATHWAY 2 (Academic Level):</b> is the minimum course work for entering freshmen who are on grade level.				
ACADEMIC LEVEL	Algebra 1	Geometry	Algebra 2	Statistics Pre-Calculus/Trigonometry
<b>PATHWAY 3 (Honors Level):</b> is for freshmen students who would like to get to Calculus their 12 <sup>th</sup> grade year. They are required to take two math courses their sophomore year (Algebra 2 and Geometry) to get to Calculus. Must meet with Math Department, Counselor, parent, and sign a contract for approval before class begins (during registration process). Incoming Freshmen who took Algebra 1 at CMS and passed the course and all quarter exams, receive a high school credit for Algebra 1 and will take Geometry as a Freshman and will need to take only 1 math course their sophomore year.				
HONORS LEVEL	Algebra 1 Advanced Geometry	Advanced Geometry Advanced Algebra 2	Pre-Calculus/Trigonometry Statistics PCC Intro to Statistics MAT135	Calculus AB AP Calculus AB
<b>PATHWAY 4:</b> is for entering freshmen who were in, and did not pass the final assessment for the 8 <sup>th</sup> grade Algebra I course at CMS and choose not to repeat Algebra I at M-CHS. They must take 3 credits of math at M-CHS to graduate.				
Pathway 4	Geometry	Algebra 2	Pre-Calculus/Trigonometry Statistics PCC Intro to Statistics MAT135	

\*Statistics can be taken any time after completion of Algebra 2. At this time, the Statistics is not an AP course.

### MA104 ALGEBRA - A

**Grade:** 9  
**Credit:** 1 Elective  
**Prerequisite:** Incoming 9<sup>th</sup> Graders below grade level  
**Fees:** \$0

This course meets the Colorado Academic Standards for 7<sup>th</sup>- 9<sup>th</sup> grade. It is designed to help those students who are testing below 9<sup>th</sup> grade level acquire the skills they need to be successful in future high school math courses. The 1<sup>st</sup> semester of this course includes, but is not limited to: operations on integers, fractions, mixed numbers and decimals, ratio, proportion and percentages, working with variable expressions, interpretation of statistical graphs, measurement and geometry, and an introduction to polynomials and graphing. The 2<sup>nd</sup> semester of this course begins the introduction to the language and applications of algebra. Students will continue to develop their understanding of real numbers and their properties to introduce Algebra I concepts. Basic data analysis and probability will also be addressed. The topics of Algebra I will begin to be addressed in this course at a slower pace with the remaining Algebra I requirement to be addressed in the sister course, Algebra B. The applications of Algebra will include, but not be limited to: variables, mathematical expressions, and linear functions. Students will continue to work with 2 and 3 dimensional shapes to find perimeter, area, surface area and volume. An Introduction to Personal Financial Literacy will be included in this course.

### MA105 ALGEBRA - B

**Grade:** 9  
**Credit:** 1 Math  
**Prerequisite:** Successful completion of Algebra A  
**Fees:** \$10

This course meets the Colorado Academic Standards for 7<sup>th</sup>- 9<sup>th</sup> grade. It is designed to help those students who are testing below 9<sup>th</sup> grade level acquire the skills they need to be successful in future high school math

courses. This course includes, but is not limited to: operations on integers, fractions, mixed numbers and decimals, ratio, proportion and percentages, working with variable expressions, interpretation of statistical graphs, measurement and geometry, and an introduction to polynomials and graphing. Basic data analysis and probability will also be addressed. This course continues the introduction to the language and applications of algebra begun in the sister course, Algebra A. The applications of Algebra will include, but not be limited to: variables, mathematical expressions, linear functions, problem solving, inequalities, polynomials, graphs, relations and functions, rational and radical expressions. Students will continue to work with 2 and 3 dimensional shapes to find perimeter, area, surface area and volume. An Introduction to Personal Financial Literacy will be included in this course. The successful completion of Algebra A and Algebra B will complete the student's graduation requirement of Algebra I.

### MA101 ALGEBRA 1

**Grade:** 9-10  
**Credit:** 1 Math  
**Prerequisite:** 9<sup>th</sup> graders at grade level  
**Fees:** \$10

This course meets the Colorado Academic Standards for 9<sup>th</sup> grade. It is an introduction to the language and applications of algebra. In Algebra I, students will continue to develop their understanding of real numbers and their properties. The applications of Algebra will include, but not be limited to: variables, mathematical expressions, linear functions, problem solving, inequalities, polynomials, graphs, relations and functions, rational and radical expressions. Students will continue to work with 2 and 3 dimensional shapes to find perimeter, area, surface area and volume. Basic data analysis and probability will also be addressed. An Introduction to Personal Financial Literacy will be included in this course.



**MA201 GEOMETRY**

**Grade:** 9-10  
**Credit:** 1 Math  
**Prerequisite:** Algebra 1  
**Fees:** \$10

This course meets the Colorado Academic Standards for 10<sup>th</sup> grade. Students will develop inductive and deductive reasoning as they study topics such as congruence and similarity, and apply properties of lines, polygons, and circles. Students will also develop problem-solving skills by using length, perimeter, area, circumference, and volume to solve real world problems. In addition to geometry content, students will continue to develop their understanding of algebra, data analysis, probability and basic trigonometry functions.

**MA207 ADVANCED GEOMETRY**

**Grade:** 9-10  
**Credit:** 1 Math  
**Prerequisite:** Algebra 1  
**Fees:** \$10

This course will be taken as an alternative to Geometry (not in addition to) and will count as a Geometry credit. This course meets the Colorado State Standards for 10<sup>th</sup> grade and includes all the topics of Geometry. There is open enrollment for any advanced math courses. This course varies from the regular Geometry course in pacing and depth of knowledge. More time will be given to topics that will better prepare students for Statistics, Pre-Calculus, Trigonometry and Calculus and is recommended for students planning to take those courses.

**MA401 ALGEBRA 2**

**Grade:** 10-11  
**Credit:** 1 Math  
**Prerequisite:** Geometry or Advanced Geometry  
**Fees:** \$10

This course meets the Colorado Academic Standards for 11<sup>th</sup> grade. It is organized around families of functions, including linear, quadratic, exponential, logarithmic, radical, and rational functions. Students will learn to represent functions in multiple ways: as verbal descriptions, equations, tables and graphs. Students will also learn to model real world situations using functions in order to solve problems arising from those situations. In addition, it will continue to develop student's understanding of probability and data analysis, geometry and trigonometry. Additional topics for Personal Financial Literacy such as the value of credit and the effect of interest rates on finances will be covered.

**MA206 ADVANCED ALGEBRA 2**

**Grade:** 10-11  
**Credit:** 1 Math  
**Prerequisite:** Geometry or Advanced Geometry  
**Fees:** \$10

This course will be taken as alternative to Algebra II (not in addition to) and will count as an Algebra II credit. This course meets the Colorado State Standards for 11<sup>th</sup> grade and includes all the topics of Algebra 2. There is open enrollment for any advanced math courses. This course varies from the regular Algebra 2 course in pacing and depth of knowledge. More time will be given to topics that will better prepare students for Pre-Calculus, Trigonometry and Calculus and is recommended for students planning to take those courses. Additional topics for Personal Financial Literacy such as the value of credit and the effect of interest rates on finances will be covered.

**MA408 STATISTICS**

**Grades:** 11-12  
**Credit:** 1 Math  
**Prerequisite:** Algebra 2 or Advanced Algebra 2  
**Fees:** \$10

This course meets the Colorado Academic Standards for Statistics. It introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data which include data exploration, sampling and experimentation, anticipating patterns and statistical inference. Students will describe patterns and departures from patterns, anticipate patterns, explore random phenomena using probability and simulation, estimate population parameters, and test hypotheses. Students will use technology, investigations, problem solving, and writing as they build conceptual understanding.

**STUDENTS TAKING THIS COURSE HAVE THE OPPORTUNITY TO RECEIVE COLLEGE CREDIT AT THE SAME TIME. THE PRE-REQUISITES FOR RECEIVING COLLEGE CREDIT WILL BE: TEACHER RECOMMENDATION, COUNSELOR APPROVAL, GOOD ATTENDANCE, AND STUDENT SIGN A CONTRACT. STUDENTS WHO RECEIVE COLLEGE CREDIT WILL RECEIVE THE PCC CREDIT FOR THE COURSE:**

**PC135 PCC INTRODUCTION TO STATISTICS MAT135**

**Prerequisites:** Accuplacer score of EA 85+ (elementary algebra), ACT math 21+, a B or better in a junior-level course (Pre-Cal or Algebra II) or successful completion of MAT 050 with a grade of S/C or better.

(3PCCredits) This class includes data presentation and summarization, introduction to probability concepts and distributions, statistical inference – estimation, hypothesis testing, comparison of populations, correlation and regression. This course is one of the Statewide Guaranteed Transfer Courses.

**MA409 PRE-CALCULUS / TRIGONOMETRY**

**Grade:** 11-12  
**Credit:** 1 Math  
**Prerequisite:** Algebra 2 or Advanced Algebra 2  
**Fees:** \$10

This course is designed to prepare students to take the CLEP College Algebra and CLEP Pre-Calculus Exams offered by the College Board. **College credits can be earned for this course by earning a qualifying score on the CLEP College Algebra and CLEP Pre-Calculus Exams.** Pre-Calculus is a course to further a students' understanding of functions and give them the background needed to be successful in Calculus and higher level mathematics. In the first semester, students will learn to solve, graph, find the domain and range, and use linear, quadratic, polynomial, radical logarithmic, piecewise and absolute value equations and in-equalities. Students will represent all functions in multiple ways: as verbal descriptions, equations, tables, matrices and graphs. Students will find inverses and transformed functions. Topics in analytical geometry and discrete mathematics such as conic sections, Binomial Theorem and series will also be covered. The second part of this course will concentrate on the six different trig functions, their relationships to each other, identities, properties, and applications to solving problems. Students will graph and transform all six. Both radian and degree measures will be used. Students will see the connection between right triangle trigonometry and the use of the unit circle. Additional topics are vectors, polar coordinates, conics and polar equations. A TI Graphing calculator is recommended. Advanced Algebra II and Advanced Geometry are recommended prerequisites for this course but are not required.

**MA406 CALCULUS AB  
MA410 AP CALCULUS**

**Grade:** 12  
**Credit:** 1 Math  
**Prerequisite:** Pre-Calculus / Trigonometry  
**Fees:** \$10

This course meets the College Board syllabus requirements for AP Calculus AB. It will prepare students to take the AP Calculus AB Exam offered by the College Board. **College credit can be earned for this course by earning a qualifying score on the AP Calculus AB Exam.** It is an introduction to college calculus. Topics include analytic geometry, functions, derivatives, applications of the derivatives, definite integrals, applications of the definite integrals, transcendental functions, and methods of integration. A TI graphing calculator is recommended.

# SCIENCE

## Science Sequences

Montezuma-Cortez High School requires three (3) credits of Science to graduate.

Two of which must be Integrated Physical Science & Biology (Honors Diploma requires 4 credits)

	Freshman Year	Sophomore Year	Junior Year	Senior Year
<b>PATHWAY 1:</b> is for students that have scored below grade level in Science and/or Reading.				
Pathway 1	*General Science	*Integrated Physical Science	Biology	
<b>PATHWAY 2:</b> is for students that are not on Pathway 1.				
Pathway 2  ACADEMIC LEVEL	*Integrated Physical Science or Advanced Integrated Physical Science	Biology or Advanced Biology	Earth Science Anatomy & Physiology Survey of Anatomy & Physiology Physics Advanced Placement Physics Intermediate Chemistry Advanced Placement Chemistry AP Environmental Science	Earth Science Anatomy & Physiology Survey of Anatomy & Physiology Physics Advanced Placement Physics Intermediate Chemistry Advanced Placement Chemistry AP Environmental Science
<b>PATHWAY 3:</b> is for students that are on the Honors track.				
Pathway 3  HONORS LEVEL	Advanced Integrated Physical Science	Advanced Biology	Earth Science Anatomy & Physiology Survey of Anatomy & Physiology Physics Advanced Placement Physics Intermediate Chemistry Advanced Placement Chemistry AP Environmental Science	Earth Science Anatomy & Physiology Survey of Anatomy & Physiology Physics Advanced Placement Physics Intermediate Chemistry Advanced Placement Chemistry AP Environmental Science

IF A STUDENT FAILS ONE SEMESTER OF A COURSE, THEY WILL NEED TO RETAKE THAT SEMESTER OF THE COURSE TO FULFILL THEIR REQUIREMENT. THE PASSED SEMESTER OF A COURSE MAY BE TAKEN FOR ELECTIVE CREDIT BUT WILL NOT COUNT TOWARDS THEIR 3 REQUIRED SCIENCE CREDITS.

\*For incoming Freshmen, students will be placed into General Science or Integrated Physical Science BASED on 8<sup>th</sup> grade STAR Reading and Math scores and unsatisfactory 8<sup>th</sup> grade CMAS Science scores or by Teacher recommendation.

### SC121 GENERAL SCIENCE

**Grades:** 9-10

**Credit:** 1 Science

**Prerequisite:** Students will be placed into this course based on low 8<sup>th</sup> grade STAR reading and math scores and unsatisfactory 8<sup>th</sup> grade CMAS science scores or by teacher recommendations.

**Fees:** \$10

This course covers a broad range of concepts including aspects of both Life and Earth Science. Students will learn the development of living organisms beginning with cells, working into DNA, mitosis, and meiosis; this will then be applied to complex organisms and their interaction with the environment. Students will also explore rocks/minerals and their role within the rock cycle as well as investigate aspects of earthquakes, volcanoes, weather, climatology and astronomy.

### SC107 INTEGRATED PHYSICAL SCIENCE

**Grades:** 9-10

**Credit:** 1 Science

**Prerequisite:** None

**Fees:** \$10

This class is intended to increase student's knowledge of the physical world. This class is designed to meet the requirements of the freshman level science course. Students will learn motion, forces, and energy concepts, the periodic table, nomenclature, chemical equations, and

stoichiometry. All topics will include the scientific method with data analysis. This course is a lab class.

### SC115 ADVANCED INTEGRATED PHYSICAL SCIENCE

**Grades:** 9-10

**Credit:** 1 Science

**Prerequisite:** None

**Fees:** \$10

This class is intended to increase student's knowledge of the physical world. Through an accelerated and more in-depth study, this course is designed to meet the requirements of an introductory science course. Students will learn motion, forces, and energy concepts, the periodic table, nomenclature, chemical equations, and stoichiometry. All topics will include the scientific method with data analysis. This course is a lab class.

### SC201 BIOLOGY

**Grades:** 10-11

**Credit:** 1 Science

**Prerequisite:** IPS or Advanced IPS

**Fees:** \$10

Students will study the diversity of living organisms including cellular characteristics and processes, inheritance, genetics, and evolution. Lab work will investigate cells, bacteria, and various animal specimens. This course is a lab class.

**SC204 ADVANCED BIOLOGY****Grades:** 10-11**Credit:** 1 Science**Prerequisite:** IPS or Advanced IPS**Fees:** \$10

This course is recommended for those students who are interested in increasing their knowledge of the biological world through an accelerated and advanced course. Students will study the diversity of living organisms including cellular characteristics and processes, inheritance, genetics, and evolution. Lab work will investigate cells, bacteria, and various animal specimens. This course is a lab class.

**SC106 EARTH SCIENCE****Grades:** 11-12**Credit:** 1 Science**Prerequisite:** Biology or Advanced Biology**Fees:** \$20

This course explores the foundations of Earth Science through the methods used to study the natural world. Students will investigate Earth's place in the Universe, Dynamic Earth processes, Energy in the Earth's system, structure and composition of the Earth and its atmosphere; as well as comparing historical and current climate data.

**SC304 ANATOMY & PHYSIOLOGY****Grades:** 11-12**Credit:** 1 Science**Prerequisite:** Biology or Adv. Biology / Intermediate Chemistry is helpful. **Animal dissection is required.****Fees:** \$50

This course will explore the human body, both from its form (anatomy) and its function (physiology). The primary focus of this course will be for the student who anticipates pursuing a career or post-secondary education in which a sound human anatomical and physiological background would be beneficial. This course is a lab class. **Animal dissection is required.**

**SC307 SURVEY OF ANATOMY & PHYSIOLOGY****Grades:** 11-12**Credit:** 1 Science**Prerequisite:** Biology or Adv. Biology / Intermediate Chemistry is helpful. **Dissection is NOT a part of this class.****Fees:** \$20

This course will explore the human body, both from its form (anatomy) and its function (physiology). The primary focus of this course will be for the student who anticipates pursuing a career or post-secondary education in which a sound understanding of the human body is essential. This course is not a lab class, but will use literacy based science approach with readings, research, and essays. **Dissection is not a part of this class.**

**SC110 AP ENVIRONMENTAL SCIENCE****Grades:** 11-12**Credit:** 1 Science**Prerequisite:** Completion of Biology or Advanced Biology**Fees:** \$20

AP Environmental science is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and human-made, to evaluate

the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study, yet there are several major unifying themes that cut across the many topics included in the study of environmental science. This course is a lab class.

**\*Advanced Placement** courses culminate in an exam, which is administered in May. These examinations require that students pay a testing fee. All students enrolled in these courses are expected to sit for these summative exams. The individual teachers, based on financial issues or poor performance in the course, may offer exemptions from this policy, but students who do not sit for the exam will not receive an AP course designation on their high school transcript. Students who complete the course without taking the exam will have transcripts changed so the prefix to the course reads *Advanced (ADV)* rather than *Advanced Placement (AP)*.

**SC301 PHYSICS****SC404 AP PHYSICS****Grades:** 11-12**Credit:** 1 Science**Prerequisite:** Biology or Adv Biology/Algebra II**Fees:** \$20

This course is the study of the physical world and the relationships between matter and energy. The main focus of the course will be motion but other topics including waves, electricity, and light will also be covered. This course will give the student a good preparation for college level physics. This course is a lab class and has a weighted grade.

**SC302 INTERMEDIATE CHEMISTRY****SC405 AP CHEMISTRY****Grades:** 11-12**Credit:** 1 Science**Prerequisite:** Biology or Adv Biology/Algebra II concurrently**Fees:** \$20

Chemistry is the study of matter and its changes. Topics include the atom, electron, periodic law, chemical bonding, chemical formulas, chemical equations, stoichiometry, solutions, and acids/bases. The various theories and concepts we will study will be emphasized through lab work. This course will give the student a good preparation for college level chemistry. This course is a lab class and has a weighted grade.

# SOCIAL STUDIES

## Social Studies Sequences

Montezuma-Cortez High School requires three (3) credits of Social Studies to graduate.

Honors Diploma candidates are required to complete (4) credits.

- The 3 required credits must be filled by: → World History → U.S. History → American Government
  - They can be taken any time during the student's 4 years of high school.
  - Other Social Studies classes can be taken for Elective Credits
  - There are NO FEES for any of the Social Studies Classes.

	Freshman Year	Sophomore Year	Junior Year	Senior Year
<b>ACADEMIC LEVEL</b>	World History	World History U.S. History	U.S. History	American Government
<b>HONORS LEVEL</b>	*Advanced World History	U.S. History *Advanced U.S. History	*Advanced U.S. History	*AP American Government
<b>Electives</b>  * Must have Instructor Approval			*AP American Government Economic & Globalization Cultural Anthropology/Archaeology & Native American Cultures Psychology	*AP American Government Economic & Globalization Cultural Anthropology/Archaeology & Native American Cultures Psychology

### SS201 WORLD HISTORY

**Credit:** 1 Social Studies

**Grades:** 9-10

**Prerequisite:** None

This course is required to fulfill one of the social studies requirements. This social studies class reviews human history from the Paleolithic Era through the French Revolution. The first semester includes prehistory and ancient history. Emphasis is placed on civilizations that have influenced Western culture, such as ancient Greeks and Romans. The prehistory and history of Native America, Africa, Asia, and China are also included. In the second semester, the focus is on the Western world from the Middle Ages through the French Revolution.

### SS207 ADVANCED WORLD HISTORY

**Credit:** 1 Social Studies

**Grades:** 9-10

**Prerequisite:** 9<sup>th</sup> Instructor Approval

This course will be offered to students excited about studying social studies. It is taken in place of World History. Students in this course will be trained in reading and analyzing original historical documents, viewing pertinent lectures, and participating in seminars on religion and philosophies found in ancient history, in preparation to take the AP World History test. This course will involve extensive writing & an in-depth study of World History from the ascent of man, early civilizations, high civilizations, as well as current events. At least 3 hours of outside class reading per week is required for this class. Students must maintain a "C" average to stay in this class.

### SS301 U. S. HISTORY

**Credit:** 1 Social Studies

**Grades:** 10-12

**Prerequisite:** World History

This class deals with the history of the nation from the Pre-Colonial to the modern era. The political, economic and social history of the nation as well as important documents and wars are studied. Students write one research paper as well as several essays. This course is required to fulfill one of the social studies requirements.

### SS502 ADVANCED U.S. HISTORY

**Grades:** 10-11

**Credit:** 1 Social Studies

**Prerequisite:** World History

This elective course with the opportunity for college credit will be offered to approved seniors who have earned at least a "B" average in their required social studies courses. Students in this course will be trained in reading and analyzing original historical documents in preparation to take the CLEP U.S. History test. This course will involve extensive writing and an in-depth study of U.S. History from colonization to current events. At least 8 hours of outside of class reading a week is required for this class. Students must maintain a "C" grade to stay in the class. These are electives with a possibility of college credit attached, to enroll in the class, approved sophomores, juniors or seniors must have a "B" or better in all prior Social Studies classes/instructor approval.

### SS401 AMERICAN GOVERNMENT

**Credit:** 1 Social Studies

**Grades:** 12 (11 with approval)

**Prerequisite:** World History & U.S. History

This course is a study of the development of the American system of government, the various levels of government within the United States and the political process. The emphasis of the class will be on understanding what government is, why it exists and how it is shaped by civic life and politics. Students will understand the constitutional principles and foundations of our political systems, how to exercise their rights and responsibilities in civic life and why citizen involvement is critical. Students must either have senior standing in credits, seniors be on track their senior year, or have a "C" or higher in all previous social studies classes. Students must have completed World History as well as U.S. History.



**SS503 AP AMERICAN GOVERNMENT****Credit:** 1 Social Studies**Grades:** 12**Prerequisite:** World History & U.S. History ; 11<sup>th</sup> Instructor Approval

This college-level course is offered in place of regular U.S. Government. It is an introduction to the U.S. national government. This course is a study of the development of the American system of government, the various levels of government within the United States and the political process. The emphasis of the class will be on understanding government institutions, political processes, and examining policy choices. The institutions and policies of the U.S. government will be considered in light of historical change, constitutional procedures, and comparative perspectives. **These are electives with a possibility of college credit attached, to enroll in the class, a junior or senior must have a "B" or better in all prior Social Studies classes/instructor approval.**

**\*Advanced Placement** courses culminate in an exam, which is administered in May. These examinations require that students pay a testing fee. All students enrolled in these courses are expected to sit for these summative exams. The individual teachers, based on financial issues or poor performance in the course, may offer exemptions from this policy, but students who DO NOT SIT FOR THE EXAM will not receive an AP course designation on their high school transcript.

**SS308 ECONOMICS & GLOBALIZATION****Credit:** 1 Elective**Grades:** 11-12 Only**Prerequisite:** World History, U.S. History

This multi-faceted course will be split into two distinct semesters to help students get a deeper understanding of economic systems and global issues. This course is best suited for students who have an interest in exploring the complex social, technological, religious, and cultural issues that are taking place globally, as well as the economic systems and principles that impact us on a local, national, and international scale. This class will be a C21 technology based class using internet and technology based resources. Topics will include Cultural Practices and Gender issues, Ethnic and Religious Conflict, Human Rights, Nuclear Proliferation, and Technological Impacts, as well as

Economic topics such as Macro and Micro Economics, Personal Finance, Business Economics, and the Stock Market. **THIS CLASS IS OFFERED TO JUNIORS AND SENIORS ONLY.**

**SS307 PSYCHOLOGY****Grades:** 11-12**Credit:** 1 Elective**Prerequisite:** None

This course is an introduction to the scientific study of behavior and mental processes. This class includes historical foundations, research methods, biological basis for behavior, learning, memory, motivation, personality, psychological disorders, and therapy.

**SS304 CULTURAL ANTHROPOLOGY/ARCHAEOLOGY & NATIVE AMERICAN CULTURES****Credit:** 1 Elective**Grades:** 11-12 Only**Prerequisite:** World History & U.S. History

Anthropology is a discipline through which we seek to understand human nature and the broad implications of social interaction. It is at once personal and yet scientific. In this course, we will study societies first hand with a humanistic interest in cultures and customs. We will use a scientific approach to gather information that will ultimately lead to a greater appreciation and acceptance of the diversity in human societies. In this course we will study the science of culture, survival and adaptation, society and social life, ideology and symbolism, and cultural change and diversity. In addition students will also study local Native American culture to further their understanding of local cultures and diversity. This course will focus on learning about people, tolerance, diversity, and understanding of other cultures worldwide. Students will explore in literature, video, and by observation. Students will be required to read Dee Brown's *I Bury My Heart at Wounded Knee*, *Black Elk Speaks*, *view 500 Nations*, and utilize the texts *Native Americans* and *Keepers of the Earth*. **THIS CLASS IS OFFERED TO JUNIORS AND SENIORS ONLY.**



## BASIC STUDENT SERVICES

### MC403 MATH 2 1 Math Credit

Grades: 9 - 12

MATH 2 provides the skill base and number sense that students need to meet the high standards of modern mathematics. Designed for students who struggle with entry level high school math, this course consists of a review of basic math with an emphasis on rational numbers, working with multiplication, division, fractions, and graphs. Students will use number sense to estimate and justify reasonableness of solutions to problems involving whole numbers, and commonly used fractions and decimals. MATH 2 covers fewer topics in greater depth and provides a balanced approach between procedural knowledge and conceptual understanding. Student placement and skills will be assessed utilizing PARCC and STAR math scores and other measures of progress monitoring.

### MA104 ALGEBRA A (replaces MC404 MATH 3) 1 Math Credit

Grade: 9-12

This course meets the Colorado Academic Standards for 7<sup>th</sup>-9<sup>th</sup> grade. It is designed to help those students who are testing below 9<sup>th</sup> grade level acquire the skills they need to be successful in future high school math courses. The 1<sup>st</sup> semester of this course includes, but is not limited to: operations on integers, fractions, mixed numbers and decimals, ratio, proportion and percentages, working with variable expressions, interpretation of statistical graphs, measurement and geometry, and an introduction to polynomials and graphing. The 2<sup>nd</sup> semester of this course begins the introduction to the language and applications of algebra. Students will continue to develop their understanding of real numbers and their properties to introduce Algebra I concepts. Basic data analysis and probability will also be addressed. The topics of Algebra I will begin to be addressed in this course at a slower pace with the remaining Algebra I requirement to be addressed in the sister course, Algebra B. The applications of Algebra will include, but not be limited to: variables, mathematical expressions, and linear functions. Students will continue to work with 2 and 3 dimensional shapes to find perimeter, area, surface area and volume. An Introduction to Personal Financial Literacy will be included in this course.

### MC405 READING 1 1 English Credit

Grades: 9 - 12

This reading course provides the skills base to build to and to strengthen the five critical elements of reading: phonemic awareness, phonics, fluency, vocabulary and comprehension. Through this course, many of the specific literacy skills that some students have not yet mastered will be reinforced. Smaller class sizes, pacing of instruction, content repetition, and self-evaluation are key elements to success in this course. Student placement and skills will be assessed utilizing PARCC and STAR scores and other measures of progress monitoring.

### MC406 READING 2 1 English Credit

Grades: 9 - 12

This course is designed to develop and strengthen the reading skills of the struggling high school student who has stronger decoding than comprehension skills in reading. Materials and teaching strategies are matched to the needs of the student as identified. Vocabulary development is emphasized through oral and written activities. Pacing of instruction, content repetition, student interaction and self-evaluation are key elements. Student placement and skills will be assessed utilizing PARCC and STAR scores and other measures of progress monitoring.

### MC407 WRITING 1 English Credit

Grades: 9 - 12

This course is designed to further the writing skills of students. Students will learn a better understanding of how writing communicates a message, to organize writing to create a draft document, to revise ideas, voice and organization to create a written product using a variety of resource materials. Students will learn and use appropriate conventions, mechanics and format to create a readable, productive and legible written product in a small group learning environment suitable to their learning styles and needs.

### MC401/MC425 LIFE SKILLS 1 / 2 1 Elective Credit

Grades: 9 - 12

This course is designed from a Life Skills Based Curriculum for students with **severe and profound** needs. It offers identified students a curriculum that is individual for each student in the areas of functional life skills needed for transition to post-secondary life. This class ties into a Center Base Model for severe and profound students.

### MC402 FUNCTIONAL MATH 1 Math Credit

Grades: 9-12

Functional Math combines elements of life skills math with number sense, to include whole numbers, factors, number patterns, multiples, estimation and multi-step problems for students with **severe and profound** learning needs. Student learning is fostered using a combination of life-centered tasks with a traditional math approach. A major emphasis continues with a review of basic math skills in addition and subtraction with an emphasis on multiplication and division, time and money applied to real life learning. Pacing of instruction, content repetition, student interaction and self-evaluation are key elements. Student placement and skills will be assessed utilizing PARCC, COALT, and STAR scores and other measures of progress monitoring.

### MC415 FUNCTIONAL READING 1 English Credit

Grades: 9-12

Functional Reading combines elements of life skills with basic reading skills, for students with **severe and profound** learning needs. Student learning is fostered using a combination of life centered tasks with a variety of researched based reading best practices. A major emphasis continues with letter and word identification and reading skills that can be applied to real life learning. Pacing of instruction, content repetition, student interaction and self-evaluation are key elements. Student placement and skills will be assessed utilizing PARCC, COALT and STAR scores and other measures of progress monitoring.

### MC416 FUNCTIONAL SCIENCE 1 Science Credit

Grades: 9 - 12

Functional Science combines elements of life skills with basic science concepts, for students with severe and profound learning needs. Student learning is fostered using a combination of life centered tasks while exposing students to the core elements of science, while maintaining the grade level science strands. Pacing of instruction, content repetition, student interaction and self-evaluation are key elements. Student placement and skills will be assessed utilizing PARCC, COALT and STAR scores and other measures of progress monitoring.

### MC417 FUNCTIONAL INDEPENDENT STUDY 1 Elective Credit

Grades: 9-12

This course combines elements of life skills with post secondary readiness skills, for students with **severe and profound** learning needs. Student learning is fostered using a combination of life centered tasks with a variety of transition and post school outcomes. A major emphasis is placed on independent work, beginning with sheltered experience and ending with the students independently completing a variety of tasks without prompts and with mastery. Pacing of instruction, content repetition, student interaction and self-evaluation are key elements. Student placement and skills will be assessed utilizing PARCC, COALT and STAR scores and other measures of progress monitoring.

## CTE ACE

### MA110 PERSONAL FINANCE 1 Elective Credit

Grades: 11 - 12

Students learn how to navigate the financial decisions they must face and to make informed decisions relating to career exploration, budgeting, banking, credit, insurance, spending, financing postsecondary education, taxes, stock market, saving and investing, buying/leasing a vehicle, and living independently. They also learn the importance of investing in themselves in order to gain the knowledge and skills valued in the marketplace. Development of financial literacy skills and an understanding of economic principles will provide the basis for responsible citizenship, more effective participation in the workforce, and career success.

### MC427 SPEECH 1 Elective Credit

Grades: 11 - 12

This course will focus on speech techniques and concepts, such as informative and persuasive speaking and communication. This class is designed to help students feel comfortable speaking in front of small groups as well as prepare them for later transitions.

### MC515 ENTREPRENEURSHIP 1 Elective Credit

Grades: 9 - 12

**Prerequisite:** Instructor Approval

This is a zero period class. A student run business, such as Coffee Club & T-shirt Screening, providing hands-on experience, marketing, accounting, and customer service. Learning to deal with co-workers and management.

### MC412 WORLD OF WORK 1 Elective Credit

Grades: 10 - 12

The course includes careers exploration, skills needed to get and keep a job, and study strategies.

### MC421/MC422 WORK EXPERIENCE 1 / 0.5 Elective Credit

Grades: 11 - 12

**Credit:** 1 Elective or 0.5 Elective

**Prerequisite:** Instructor Approval

Students in grades 11, 12 earn elective credits through work based sites. Work experience and 137 paycheck stub hours translate into 1 elective credit.

### MC419/MC420 CONTENT MASTERY 1 / 0.5 Elective Credit

Grades: 9 - 12

The class is designed as a support class for students who are in need of extra help or in need of an intervention. This class is designed for students who are enrolled in several core curriculum classes, and need the benefit from extra time and support in completing their coursework. The focus of this class is to empower the student's skills in self-advocacy, organization, study skills, test taking, technology supports and other areas identified. If the support is needed, students may register for this class each semester. This class is intended for students who are self-directed and/or would be willing to accept support to become self-directed. Skill building programs such as Success Maker (math) and Unlimited Learning are used to support students in this class.

## M-CHS CONCURRENT ENROLLMENT GUIDELINES

### THESE REQUIREMENTS APPLY TO CLASSES LISTED ON PAGES 26-27:



In order to be considered for SCCC Programs on SCCC campus, students must meet the following M-CHS Requirements:

1. Must have a 2.5 GPA or better.
2. Must not have any discipline referrals.
3. Must be attending classes at M-CHS and have no more than 70 family, ill, or unverified absences throughout the prior school year. Attendance in PCC classes is expected to be at 80%. This means that if a student misses 20% (or approximately 6 college classes), the student will be dropped from the college class. The student and/or the student's parent(s) will be expected to reimburse M-CHS for any college tuition already paid to PCC.

For PCC classes taught by M-CHS teachers, students must have instructor approval. Students must also provide Accuplacer, SAT or ACT test scores, to verify eligibility for PCC classes.

M-CHS will pay tuition for up to 12 college credits per semester, for qualified M-CHS students taking classes on the SCCC campus. (This does not apply to students taking PCC classes on M-CHS campus) Each student and/or his/her family will be responsible to pay for registration fee each semester, any PCC fees, and/or text books. Students taking the EMT class are also responsible to pay a fee of \$40(subject to change). Bills for fees will be sent directly from PCC to the home address (entered on the concurrent registration form) of the student. Any questions or concerns regarding PCC invoices should be discussed with your Counselor.

If the student does not receive a 'C' or better in the college class that he/she are enrolled in, he/she will be expected to reimburse M-CHS for any tuition already paid to PCC. Each student and his/her parent(s) will complete and sign a Concurrent Enrollment Registration Form and the PCC Student Payment Agreement. These forms can be obtained from your counselor and must be returned before the class starts in order for the student to participate in the concurrent enrollment program. PCC Course Offering at M-CHS and PCC are listed on the page 25-26.

Other on-line classes may be available in Written Communication, Oral Communication, Mathematics, Natural & Physical Sciences, Arts & Humanities, Social & Behavioral Sciences, and/or History. Please see your counselor for a complete list of classes that may be offered each semester.

## CONCURRENT ENROLLMENT CLASSES offered on SCCC CAMPUS

### SW101/ SW102 AUTOMOTIVE TECHNOLOGY I & II

**Credits:** 3 Elective Credits + SCCC Credits

This program teaches you to perform general maintenance on automotive brake, steering and suspension systems. The program has met the National Institute for Automotive Technicians Education Foundation (NATEF) accreditation in the areas of Brakes, Suspension & Steering. **Program/ Entrance Requirements:** Pass the "Ability to Benefit" assessment. **Concurrent Students earn General Service Technician Certificate (TOTAL 29 credits)**

### SW405 HAIRSTYLING

**Credits:** 3 Elective Credits + SCCC Credits

**Prerequisite:** Program requirements are REA 060, ENG 060, MAT 060 or equivalent Accuplacer Scores of Reading Comprehension 62, Sentence Skills 70, Math 45ea

**Program Description:** The Cosmetology program teaches students job entry skills, customer communication, and shop procedures. Instruction includes professional ethics, bacteriology, shampoo and rinses, color theory, hair coloring techniques, permanent waving, hairstyling, hair cutting, manicures, pedicures, facials, makeup, OSHA regulations, sanitation, safety and Colorado laws. Clinical practice involves working on the public under supervision and parallels, as close as possible, actual shop procedures in order to prepare students for working in the field. Students will learn the following:

- Hairstyling Certificate-This certificate program provides training in styling hair.

### SW201/SW202 COLLEGE BUSINESS TECH I & II

**Credit:** 3 Elective Credits + SCCC Credits

Business Education offers an associate's degree that prepares individuals for gainful employment in a wide variety of business occupations, emphasizing management, financial, and business classes as well as interpersonal and communication skills.

### SW701 NURSE AIDE

**Credits:** 3 Elective Credits + SCCC Credits

**Prerequisite:** Accuplacer Math EA 30-84 or AR 40+, and English SS 50+ (SCCC Certificate) **Mini-Certificate\*** is a part of the Med Prep Certificate taken during the second (spring) semester. This program teaches you the basic skills and procedures needed to assist hospital clients, long-term care residents, and home health care clients with their daily living activities. **Career Opportunities:** The Nurse Aide program prepares you to work as an entry-level bedside caregiver in health care facilities or home health care services and prepares the student to continue on to a Nursing Program. To succeed in this program, you must have a sincere concern for people, good physical and emotional health, an excellent attendance record, an ability to communicate effectively with other health care personnel, patients, and their families, and a neat, well-groomed appearance. Note: Clinical agencies used during the program require that you successfully complete a background check, drug screening, immunization series, and CPR training. **Colorado Board of Nursing Requirements for Nurse Aide Certification:** Successful completion of NUA101, NUA 102, NUA170, & NUA171. Students will earn (6.5 credits) Students must successfully pass the Nurse Aid Certification Examination subject to the requirements of the Colorado Board of Nursing before they are considered "Certified Nurse Aides". Students may be employed for 3 months as a nurse aide as soon as they complete all the class requirements, but must obtain State Certification if they are to continue employment.

### SW801/SW802 WELDING

**CREDIT:** 3 Elective Credits + SCCC Credits

The Welding AAS degree offers advanced instruction if you have finished the basic welding courses, or if you are working at the trade and wish to upgrade your skills. The Welding Certificate program provides training in the SMAW (Shielded Metal Arc Welding), GTAW (Gas Tungsten Arc Welding), GMAW (Gas Metal Arc Welding) and the Oxyacetylene cutting process. This training is also included in the degree program. This two semester program stresses print reading and applied metal properties. It prepares you for employment in the industry in the shortest possible time. **Career Opportunities:** The Welding program prepares you for a career in construction and manufacturing settings, small job shops, city and government welding centers, and related sites. You may also work as a self-employed welder. Students will earn credits toward the Structural Welder Certificate and/or the Associate of Applied Science Degree in Welding. Students will receive a program certificate of completion at the end of the year (TOTAL 25 credits)

## Pueblo Community College Classes taught at M-CHS

### ENGLISH:

#### PC615 ENGLISH COMPOSITION I GT-CO1 / ENG 121

3 CR. (3L) PRQ: Accuplacer score of SS 95+, or successful completion of CCR 092 or CCR 093 with a grade of S/C or better. Emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course includes a minimum of five compositions that stress analytical, evaluative, and persuasive/argumentative writing. This course is one of the Statewide Guaranteed Transfer Courses, GT-CO1.

#### PC615 ENGLISH COMPOSITION II GT-CO2 / ENG 122

3 CR. (3L) PRQ: Successful completion of ENG 121 with a grade of C or better. Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or persuasive papers that incorporate research. This course is one of the Statewide Guaranteed Transfer Courses, GT-CO2.

#### PC115 INTRODUCTION TO LITERATURE I GT-AH2 / LIT 115

3 CR. (3L) PRQ: Accuplacer score of SS 95+, or successful completion of any CCR course with a grade of S/C or better. Introduces students to fiction, poetry, and drama. Emphasizes active and responsive reading. This course is one of the Statewide Guaranteed Transfer Courses, GT-AH2.

### MATHEMATICS:

#### PC135 INTRODUCTION TO STATISTICS GT-MA1 / MAT135

3 CR. (3L) PRQ: Accuplacer score of EA 85+, or successful completion of MAT 050 with a grade of S/C or better. Explores and applies data presentation and summarization, introduction to probability concepts and distributions, statistical inference –estimation, hypothesis testing, comparison of populations, correlation and regression. This course is one of the Statewide Guaranteed Transfer Courses, GT-MA1.

### WORLD LANGUAGES:

#### PC102 FRENCH LANGUAGE I FRE 111

5 CR. (5L) PRQ: Accuplacer score of SS 70+, or successful completion of any CCR course with a grade of S/C or better. Develops students' interpretive, interpersonal, and presentational communicative abilities in the language. Integrates these skills in the cultural contexts in which the language is used. Offers a foundation in the analysis of culture.

#### PC105 FRENCH LANGUAGE II FRE 112

5 CR. (5L) PRQ: Successful completion of FRE 111, or permission of the Department Chair. Expands students' interpretive, interpersonal, and presentational communicative abilities in the language across the disciplines. Integrates these skills with the study of the cultures in which the language is used. Offers a foundation in the analysis of culture and develops intercultural communicative strategies.

### ELECTIVE CHOICES:

#### PC616 DRAWING I ART 121

3 CR. (6 STA) Investigates the various approaches and media that students need to develop drawing skills and visual perception.

#### PC138 DIGITAL PHOTOGRAPHY I ART 139

3 CR. (6 STA) Introduces the basic concepts of digital imaging as applied to photography. Using applicable technology and hands on experience, modern developments are presented leading to the present applications of digital imaging which combine traditional photographic ideas with electronic media. Enables the student to learn how to operate image manipulation software using a variety of scanning equipment, software tools and output devices by executing new assignments and applying these technologies to their photographic process.

#### PC144 INTRO TO COMPUTER INFO SYSTEMS CIS115

3 CR. (3L) Focuses on an overview of the needs for and roles of CIS.

#### PC617 INTRO TO PC APPLICATIONS CIS118

3 CR. (2L/1.5LBV) Introduces basic computer terminology, file management, and PC system components. Provides an overview of office application software including word processing, spreadsheets, databases, and presentation graphics. Includes the use of a web browser to access the internet.

#### PC306 COMPUTER AIDED DRAFTING / 3D CAD202

3 CR. (3L) Focuses on an overview of the needs for and roles of CIS.

#### PC146 FUNDAMENTALS OF REPORTING

3 CR. (3L) Introduces newswriting, reporting and interviewing with an emphasis on clarity, accuracy, completeness, timeliness and fairness.

#### PC618 FOOD SAFETY AND SANITATION CUA101

3 CR. (3L) Focuses on basic rules of sanitation and safe food handling techniques.

#### PC126 FIRST RESPONDER EMS 115

3 CR. (3L) Provides the student with core knowledge and skills to function in the capacity of a first responder arriving at the scene of an emergency, providing supportive care until advanced EMS help arrives.

#### PC125 PCC EMERGENCY MEDICAL TECHNICIAN

EMS 121 EMT Fundamentals 3 CR. (2L/1.5 LBV)

PRQ: Accuplacer score of RC 80+. CORQ: HPR 102 or current professional rescuer CPR card. Introduces the Emergency Medical Technician (EMT) student to prehospital emergency care. The topics included in this course are Emergency Medical Services (EMS) systems, well-being of the EMT, communications, documentation, anatomy, airway management, and patient assessment.

EMS 122 EMT Medical Emergencies 4 CR. (3L/1.5 LBV)

PRQ: EMS 121. PRQ: EMS 170. Provides the Emergency Medical Technician (EMT) student with the knowledge and skills to effectively provide emergency care and transportation to a patient experiencing a medical emergency. This course focuses on the integration of the physical exam, medical history, and pathophysiology when assessing and treating the medical patient.

EMS 123 EMT Trauma Emergencies 2 CR. (1L/1.5 LBV)

PRQ: EMS 121. Provides the Emergency Medical Technician (EMT) student with the knowledge and skills to provide appropriate emergency care and transportation of a patient who has suffered a traumatic injury. The concepts of kinematics and the biomechanics of trauma, along with pathophysiology and injury patterns will provide the student with the ability to assess & manage the trauma patient.

EMS 170 EMT Basic Clinical 1 CR. (1.5LBV)

Provides the EMT student with the clinical experience required of initial and some renewal processes.

#### PC307 CNA

The Nurse Aide (NUA) program teaches students the basic skills and methods needed to help hospital clients. Students will also learn skills to help long-term care residents, and home health care clients with their daily living activities. You must undergo a background check and drug screen before we can officially admit you into the program.

NUA 101 Certified Nurse Aide Health Care Skills 4 CR.

NUA170 Nursing Assistant Clinical Skills 1 CR.

NUA171 Advanced Nurse Aide Clinical 1 CR.

NUA102 Nurse Aide Certification Exam Prep 0.5 CR.

#### PC308 PHLEBOTOMY

Courses cover venipuncture, capillary puncture, quality control, infection control, safety procedures, and laboratory computer systems. You will participate in laboratory and clinical experiences to perfect blood drawing skills and prepare you for the workforce as a qualified phlebotomist. When you successfully complete this program, you are eligible to sit for the National Phlebotomy Registry Exam. Transportation to the college will be needed two times a week. You must undergo a background check and drug screen before we can officially admit you into the program.

HPR112 Phlebotomy 4 CR.

HPR113 Advanced Phlebotomy 1 CR.

HPR180 Internship 1 CR.



# MONTEZUMA-CORTEZ HIGH SCHOOL GUIDELINES

## ACADEMIC LETTER

The Academic Letter is based on Grade Point Average (GPA). To qualify for the Academic Letter, a student must carry at least six subjects a semester. Eligibility is based on the following scale:



- 9<sup>th</sup> Grade – Cumulative GPA of 3.70
- 10<sup>th</sup> Grade – Cumulative GPA of 3.65
- 11<sup>th</sup> Grade – Cumulative GPA of 3.60
- 12<sup>th</sup> Grade – Cumulative GPA of 3.55

## ACCEPTABLE ACADEMIC ELECTIVES

Acceptable Academic Electives include additional courses in English, mathematics, natural/physical sciences and social sciences, world languages, art, music, journalism, drama, computer science, honors, and Advanced Placement courses. Approved career and technical education courses with content comparable to courses meeting Colorado's Model Content Standards and industry specific/CTE standards are counted as academic electives beyond the minimum years listed above, which include vocational agriculture, family and consumer science courses, business, and technology.

## ADVANCED PLACEMENT COURSES

Advanced Placement courses culminate in an exam, which is administered in May. These examinations require that students pay a testing fee. All students enrolled in these courses are expected to sit for these summative exams. AP Students are also required to take the AP exams in May. There are costs associated with AP courses and payment is required prior to taking the tests in May. The individual teachers, based on financial issues or poor performance in the course, may offer exemptions from this policy, but students who **do not sit for the exam** will not receive an AP course designation on their high school transcript. Students who complete the course without taking the exam will have transcripts changed so the prefix to the course reads **Advanced** (ADV) rather than **Advanced Placement** (AP).

## ASSESSMENTS

Part of an educational program includes assessments given at different levels and at different times of the school year. Some are national, some are state, and some are district assessments. If you have further questions, please call the counseling office or administration.

## ATHLETIC ELIGIBILITY / MINIMUM COURSE REQUIREMENTS

All students must be enrolled full-time during grades 9-12. They must carry 6 credit-bearing classes to maintain athletic eligibility.

## CHANGE of ADDRESS, TELEPHONE NUMBER, and EMAIL ADDRESS

Parents/Guardian and students **should notify the Guidance Office immediately** of any changes of address or telephone number. We also encourage parents/ guardians to give their email address for school announcements and upcoming events.

## COLORADO CAREER CLUSTER MODEL

Most Careers can be broken into six career clusters. These clusters help make the process of choosing a career and planning for that career easier for you. The six career clusters in the Colorado model are:

1. Agricultural & Natural Resources
2. Business & Public Administration
3. Health Sciences & Public Safety
4. Hospitality, Human Services & Education
5. Skilled Trades & Technical Sciences
6. STEM, Arts, Design & Information Technology

All occupations fall under these career clusters. Further, all six career clusters have different levels of employment based, most frequently, on education and/or training. Professional careers require the most education or specialized training, usually a four-year college degree or higher. Technical and vocational careers normally require a two-year degree or specialized training. Entry-level careers usually require only a high school diploma with a limited amount of additional training. During Advisory time, the student is given the opportunity to explore their pathway and plan their course of study to achieve those goals.

## COLLEGE OPPORTUNITY FUND / COF

The College Opportunity Trust Fund was created by the Colorado Legislature and provides a stipend to eligible undergraduate students. The stipend pays a portion of total in-state tuition when a student attends a Colorado public institution or a participating private institution. Eligible undergraduate students must apply, be admitted and enroll at a participating institution. Both new and continuing students are eligible for the stipend. Qualifying students may use the stipend for eligible undergraduate classes. The stipend is paid on a per credit hour basis to the institution at which the student is enrolled. The credit-hour amount will be set annually by the General Assembly. The statutory authority is found in C.R.S. Title 23 Article 18.

## CONCURRENT ENROLLED STUDENT

A student enrolled in college classes and high school classes at the same time.

## DUAL CREDIT

Dual credit courses allow students to earn high school credit simultaneously with community college credit. Students must have junior or senior status with the exception of qualifying students in the PCC Associates of General Studies and PCC Associates of Arts Programs. Courses are generally taught at the high school and meet college level expectations.

### **EMAILING TEACHERS**

Come by the Counseling Office for a complete list of email addresses and extensions list of teachers for individual contact with teachers.

### **EVALUATION PROCEDURES / ASSESSMENT MEASURES**

Assessment is a part of each class at M-CHS. The use of authentic procedures such as direct writing assessment and criteria refined tests will provide the input necessary for the evaluation of student progress and the quality of instruction.

### **EXEMPTION FROM REQUIRED INSTRUCTION**

If the religious beliefs and teachings of a student or his parents or legal guardian are contrary to a portion of the content of a school subject or to any part of a school activity, the student may be exempt from participation in that specific portion, or if the religious objection is to the entire course, then all of the course or activity. However, to receive such an exemption, the parent or legal guardian must present to the school principal a written request for exemption so stating the conflict involved. Exemptions from required instruction do not excuse a student from the total semester hours required for high school graduation. Please check with your principal for the procedure for exemption from a course.

### **FERPA REGULATIONS**

According to the Family Educational Rights and Privacy Act (FERPA), the confidentiality of student records is protected from unauthorized inspection. Information pertaining to student's educational history, such as grades, test results, discipline and records regarding student disabilities are confidential, and may only be accessed by: Parents who retain parental rights, District or school faculty and staff with a "legitimate educational interest" in the student, and other institutions with a "legitimate educational interest", such as colleges requesting transcripts. If you do not want Montezuma-Cortez High School to disclose directory information (student's name, address, telephone number, photographs, DOB, grade level, dates of attendance, participation in sports, and honors and awards received) for your child; or release information to the Military without your prior written consent, you must notify the High School in writing by October 15.

### **GRADES**

We have updated our grading policy in order to clarify INCOMPLETES that appear on transcripts. **Semester 1 incompletes MUST BE cleared by the first Friday in January. Semester 2 incompletes MUST BE cleared by June 30.** (allows for students to attend summer school and complete the course.)

### **COUNSELING DEPARTMENT**

At M-CHS, school counselors are a vital link to academic, career, and personal/social development for all students. Our certified school counselors collaborate with other educators, parents, and the community to provide access to programs and services for all students. School counselors provide comprehensive guidance curriculum in the classroom, as well as individual and group counseling, to prepare students with the knowledge and skills needed to achieve success in school and society.

### **IMMUNIZATION REQUIREMENTS**

Students are required to provide an immunization record to the Counseling Office upon enrollment. Each parent will receive an immunization information sheet each school year. Please contact your health care provider or the Montezuma County Public Health Department if you are not sure of your student's shot status. For further information you may contact the Nurse's Office 565-3722 ext. 2145.

### **INDIVIDUAL CAREER & ACADEMIC PLAN (A PLAN OF STUDY)**

ICAP shall be designed to assist a student and his or her parent or legal guardian in exploring the postsecondary career and educational opportunities available to the student, aligning course work and curriculum, applying to postsecondary education institutions, securing financial aid and ultimately entering the workforce.

### **LOCKER ASSIGNMENTS**

M-CHS will provide academic lockers to students. Locks are not provided. Students are responsible for the security and upkeep of their lockers. If there are any problems, students should report them to the main office. No modifications to the inside of the lockers may be made. Appropriate pictures may be hung only with scotch or masking tape – no stickers, decals, etc. are allowed. The student assigned to the locker is responsible for any and all damage and will be charged for all cleanup, repairs or damage. By state and federal laws, the contents of a locker may be searched by school officials without notice, or consent if there is a "reasonable cause" to believe that the locker contains illegal or suspect materials. Any student found tampering with lockers or locks will be charged for replacement costs and appropriate disciplinary action will follow.

### **NCAA ELIGIBILITY CENTER**

Modified Quick Reference on page 32.

### **POST SECONDARY ENROLLMENT OPTIONS / BOARD POLICY**

(PSEO) Please read the requirements on page 25 and make an appointment with your Counselor to view this Contract.

### **POWERSCHOOL COMPUTER ACCESS FOR PARENTS**

If parents/guardians have internet access at home or at work, they can view information on their student(s) at any time. Parents/Guardian may access PowerSchool to check on their student's performance and eligibility at any time throughout the school year. PowerSchool has grades, attendance, and the capability for parents to send emails directly to their child's teacher. Parents may request a progress report by emailing teachers at any time during the student's enrollment. If interested, please bring your picture ID to the Counseling Office to receive your username and a password.

### **REGISTRATION**

Registration takes place in the spring for the coming fall. All registration is coordinated through the counseling office. For any questions or important dates please contact the Counseling Office (970) 565 – 3722 ext. 2129.

### **REPORT CARDS**

Parents may request a grade report by emailing their child's teacher at any time during the student's enrollment. Progress reports are mailed home at the end of Quarter 2 and Quarter 3. Semester report cards are mailed home at the end of each semester.

### **SCHOLARSHIPS**

Our Counseling Office will attempt to have on hand as much information as possible on local, state, and national scholarships. This process should begin during the beginning of a student's senior year. Scholarships are announced when they become available and copies may be picked up in the Counseling Office. We encourage ALL SENIORS to make an appointment with their counselor at the beginning of the school year. You may submit your email address to receive a listing of our scholarships.



**M-CHS TEST OUT POLICY**

**(IN ACCORDANCE WITH SCHOOL DISTRICT POLICY IKF-R) IF A STUDENT WISHES TO MOVE AHEAD AND TEST OUT OF REQUIRED COURSES, THE FOLLOWING PROCEDURE MUST BE FOLLOWED:**

1. **MUST COMPLETE APPLICATION** which includes: one page letter explaining: Educational goals, Future courses planned to achieve educational goals, and how testing out of class will benefit education; parent permission; meeting & approval with student's counselor.
2. Only CORE classes may be challenged.
3. If the course is an English, Math or Science Course, student must have High Proficient or Advanced rating in reading, writing, math, science in the most current test data available.
4. If the course is a non-assessed area on the CSAP, student must have High Proficient or Advanced rating in reading and writing.
5. End of Course and/or test out exam (standards based) used.
6. Must receive an 80% or higher on the exam.
7. Students may take exam only once.
8. Students who pass the test at 80% or higher will receive an ungraded credit for the class.
9. Student will NOT receive a letter grade. Student will receive a 'P' on the transcript to represent passing.
10. Student must still meet the required number of graduation credits needed in each area as stated by the Graduation Policy.
11. Students must have parental permission.
12. Final approval given by Department, Principal, and Counselor Team.

**TESTING - STANDARDIZED TESTING / STATE TESTING**

**CMAS/PARCC – Colorado Measurement of Academic Success (formerly TCAP & CSAP):** This is a required test administered to all freshmen and juniors (science). Students will receive scores in Reading, Writing, Mathematics, and Science. The CMAS is Colorado's standards-based assessment designed to provide a picture of student performance to schools, districts, educators, parents and the community.

**CO-ACCESS: English Language Proficiency Test / ACCESS Exam for English Learners** is a standardized assessment for students who have a NEP (not English proficient) or LEP (limited English proficiency) designation which was determined from the Placement Test students were given based on information from the Home Language Survey. The ACCESS for ELLs (Assessing Comprehension and Communication in English State-to State for English Language Learners) is a secure English language proficiency assessment given to K through 12<sup>th</sup> graders who have been identified.

**STAR Testing – Standardized Testing and Reporting: (formerly MAPS Testing-Measures of Academic Progress)** a state-aligned computerized adaptive assessment program that provides educators with the information they need to improve teaching and learning. Educators use the growth and achievement data from STAR to develop targeted instructional strategies and to plan school improvement. These assessments are unique in that they adapt to each student's ability, accurately measuring what a child knows and needs to learn. Most importantly, the results educators receive have practical application to teaching and learning. STAR test results provide educators with timely information that guides instructional planning and school improvement.

**TESTING - COLLEGE ADMISSIONS TESTING**

**THE FOLLOWING TESTS ARE AVAILABLE AS A PART OF THE HIGH SCHOOL PROGRAM:**

**AP — Advanced Placement Test:** College level courses taken as a part of a high school program that offers advanced students the opportunity to take courses with more challenging college-level content. Students who complete courses are eligible to take the exams for college credit at most colleges and universities. These tests may be taken for a fee by students. If they score at a "passing" level, they may be awarded college credit determined by the individual college.

**ASVAB – Armed Services Vocational Aptitude Battery Test:** The U.S. Department of Defense has provided the ASVAB, a nationally norm, multi-aptitude test battery, to high school and postsecondary schools since 1968. This

is a free test open to Juniors and Seniors administered at M-CHS each year.

The ASVAB Career Exploration Program has been designed to encourage students to learn more about themselves while exploring potential career options. You can benefit from the Program whether you plan to pursue further education after high school or enter the workforce right away. The test is designed to help you: Learn more about yourself and the world of work, Explore occupations in line with your interests and skills, develop an effective strategy to realize your career goals. ASVAB includes tests and activities that help you identify your interests and provide information about your Verbal Skills, Math Skills, and Science and Technical Skills.

**PSAT: Preliminary Scholastic Aptitude Test: PSAT/NMSQT** - Preliminary SAT/National Merit Scholarship Qualifying Test; Administered by the CollegeBoard the PSAT is a standardized test that provides practice for the SAT Reasoning test. The PSAT is a required test for all sophomores. It also gives you a chance to enter National Merit Scholarship Corporation (NMSC) scholarship programs. Sophomores are required to take the PSAT as part of the standardized state testing. For a fee, this 3 hour test is administered to juniors who want to try and qualify for the NMSQT and who are planning to take college entrance tests.

**ACT/SAT National Tests - American College Test/ Scholastic Aptitude Test:**

The ACT is a national college admission examination that consists of subject area tests in English, Mathematics, Reading, and Science. ACT results are accepted by almost all U.S. colleges and universities. The ACT is administered on five test dates—in October, December, February, April, and June. They are required by most colleges for admission. Counselors give students information about these tests if they have been informed by the student that college is a goal. Individual high schools have preparatory materials and/or sessions to help students with their college entrance tests. Juniors are required to take the SAT as part of the standardized state testing. SAT website is [www.collegeboard.org](http://www.collegeboard.org)

ACT website is [www.actstudent.org](http://www.actstudent.org)

**TRANSCRIPTS**

Transcripts are a student's history of classes taken throughout high school and the grades received. Transcripts are maintained by our Registrar. Transcripts also include a student's class rank, cumulative GPA and ACT scores. Cumulative GPAs are calculated using grades recorded from Freshmen year through Senior Year. M-CHS uses a 4.0 scale for regular classes and a 5.0 scale for AP and college classes. If you have questions regarding a transcript, or need an official transcript, please contact the M-CHS Registrar or call 970-565-3722 ext. 2125.

**TRANSFER STUDENTS**

Students new to M-CHS will be required to submit "proof of residency" (i.e. city of Cortez Utility bill), an official transcript, a current immunization card, and their birth certificate verification. Transfer students will have their transcripts evaluated on an individual basis for credit and required courses. Student should contact the COUNSELING OFFICE for further information. Transfer students must complete an enrollment packet, updated immunization records approved by the nurse, and must meet with an administrator prior to enrolling with a counselor. Students with withdrawal grades from another school will be scheduled into comparable classes if possible.

**WITHDRAWING FROM A CLASS**

Students are strongly encouraged to make requests for schedule changes before classes start, or as soon as possible afterwards. There must be educational justification for making a change. Schedule changes may be made without penalty within the first 4 weeks of the first semester, and the first 2 weeks of the second semester. Withdrawals after the specified time limit will require extenuating circumstances to be considered, must be approved by an administrator, and will result in a "WP" or "WF" grade on the transcript. No class change will be official without the required forms being submitted to our Counseling Office within the time frame required. **\*Students who withdraw from college classes are expected to reimburse the tuition costs to the school district as per RE-1 School Board Policy File: IHCDA**

**WITHDRAWING FROM SCHOOL**

To withdraw, a student must report to the Registrar's Office for instructions and procedure to be followed. Final clearance will be given when the forms are completed, books are returned, any fees outstanding are paid, and a parent's signature is recorded. **\*Transcript and/or grades will not be released if any of the above is incomplete.**

## COLLEGE ADMISSION STANDARDS

The Colorado Commission on Higher Education established an admissions index for all Colorado public four-year institutions. The index has two components: a student's high school performance (i.e., high school grade point average or class rank) and performance on a standardized test. The specific minimum index score at each institution is summarized below. Effective with the applicants who graduate from high school in spring 2008 or later, freshmen must meet both the institution's admission index and have completed the required pre-collegiate curriculum to meet CCHS's freshmen admissions standard. Additional information is available on line at [www.state.co.us/cche](http://www.state.co.us/cche)

### CCHE Admission Eligibility Index, Effective Fall 2013

In 2003, the Colorado Commission on Higher Education adopted the Higher Education Admission Requirements which are entry requirements for students planning to attend any of Colorado's public four-year colleges or universities. The requirements go into effect in two phases: Phase 1 for students graduating in 2008 and 2009, and Phase 2 for students graduating in 2010 and beyond. Private colleges and universities set their own admission 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.

Students planning to attend a four-year college or university in Colorado will need to complete the following classes in order to fulfill the Higher Education Admission Requirements. In addition to the Higher Education Admission Requirements, students must also meet the above **Admission Eligibility Index**.

Meeting the Higher Education Admissions Requirements does not guarantee admission to a four-year public institution. Colleges and universities may have additional requirements.

**General Information & Comparisons/COLLEGE ADMISSION STANDARDS & REQUIREMENTS**

Entrance requirements vary from college to college, and in some cases these will vary by department within a college. Students who plan to attend college should take as many academic courses as possible in high school as this will enable them to be prepared for college work and to compete with other college students. Below are several examples of college admissions requirements for several universities and transfer programs. For more detailed information, please check with counselors and admissions.

**GENERAL COLLEGE REQUIREMENTS**

The following colleges and universities are listed according to the levels of entrance difficulty developed by Peterson's Four-Year Colleges

<b>MOST DIFFICULT</b>	<b>VERY DIFFICULT</b>	<b>MODERATELY DIFFICULT</b>	<b>MINIMALLY DIFFICULT</b>
<b>Examples: Dartmouth, Duke, Rice University, Stanford, Harvard, Yale</b> <i>More than 75% of the freshmen were in the top 10% of their high school class and scored over 1310 on the SAT I or over 29 on the ACT. About 30% or fewer of applicants were accepted.</i>	<b>Examples: Colorado College, Colorado School of Mines, UCLA, Pepperdine University</b> <i>More than 50% of the freshmen were in the top 10% of their high school class and scored over 1230 on the SAT I or over 26 on the ACT. About 60% or fewer applicants were accepted.</i>	<b>Examples: Colorado State University, University of Colorado/Boulder, University of Denver</b> <i>More than 75% of the freshmen were in the top half of their high school class and scored over 1010 on the SAT I or over 18 on the ACT. About 85% or fewer applicants were accepted.</i>	<b>Examples: Portland State, Metro State College, Colorado Mesa University,</b> <i>Most freshmen were not in the top half of their high school class and scored below 1010 on the SAT I or below 19 on the ACT. Up to 95% of the applicants were accepted.</i>

**ADDITIONAL POST-SECONDARY EDUCATION OPTIONS**

<b>COMMUNITY COLLEGES</b>	<b>APPRENTICESHIPS</b>	<b>TECHNICAL COLLEGES</b>
Offer Associate Degree and Certificate programs to prepare students for transfer to other colleges or for direct entry into the workforce.  <b>Examples: Arapahoe Community College, Community College of Denver</b>  <i>High school diploma or General Education Development (GED) certificate or at least 16 years old and not attending high school or enrolled in Post-Secondary Education Options; Placement Tests.</i>	Are generally four year programs offering journeyman Certificates and Associates Degrees. Apprentices receive paid on-the-job training and enroll in technical courses at community colleges  <b>Example: Colorado Contractor's Assoc.</b>  <i>High school diploma or General Education Development (GED) certificate; At least 17 years old; Pre-qualifying tests; Interviews. Some programs will consider grade point averages in their selection procedures.</i>	Offer Associates and Bachelor's Degrees for students who wish to begin a career immediately after the specialized training.  <b>Examples: Westwood College of Technology, DeVry University</b>  <i>High School diploma or General Education Development (GED) certificate; At least 17 years old, A GPA of at least a 2.0; Some programs may require ACT or SAT scores; Placement exam</i>

**High School Credit Requirements for Attending Colorado Colleges & Universities**

University/College	English	Math	Social Science	Science	Foreign Language	Electives*	Total	HS GPA	ACT	SAT
Adams State University	4	4	3	3	1	2	17		80+ Index Score	
Colorado Mesa University	4	4	3	3	1	2	17		92+ Index Score	
Colorado School of Mines	4	4	3	3	1	2	17	3.74-4.00	29-33	1290-1450 (CR+M)
Colorado State University	4	4	3	3	2	2	18	3.30-4.00	23-28	1050-1250
Fort Lewis College	4	4	3	3			14+	>2.00	15+ Math & English	400-450
United States Air Force Academy	4	4	3	4	2	1 computer study	18		30	672+Math 642+Reading
University of Northern Colorado	4	4	3	3	1	2	17		94+ Index Score	
University of Colorado Boulder	4	4	3	3	2	1	17	3.40-4.00	25-30	1120-1310 Reading & Math

**NCAA Division I Initial - Eligibility Requirements**(this page has been modified to fit one page)

**Core Courses: (16)**

- **Initial full-time collegiate enrollment *before* August 1, 2016:**
  - **Sixteen (16) core courses** are required (see chart below for subject-area requirements).
- **Initial full-time collegiate enrollment *on or after* August 1, 2016:**
  - **Sixteen (16) core courses** are required (see chart below for subject-area requirements).
    - Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science.
      - These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).
    - *Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).*

**Test Scores: (ACT/SAT)**

- Students must present a corresponding test score and core-course GPA on the sliding scale (see online).
  - **SAT:** critical reading and math sections.
    - Best subscore from each section is used to determine the SAT combined score for initial eligibility.
  - **ACT:** English, math, reading and science sections.
    - Best subscore from each section is used to determine the ACT sum score for initial eligibility.
- All ACT and SAT attempts *before* initial full-time collegiate enrollment may be used for initial eligibility.
- **Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.**



**Core Grade-Point Average:**

- Only core courses that appear on the high school's List of NCAA Courses on the NCAA Eligibility Center's website ([www.eligibilitycenter.org](http://www.eligibilitycenter.org)) will be used to calculate your core-course GPA. Use this list as a guide.
- **Initial full-time collegiate enrollment *before* August 1, 2016:**
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale A (see Page No. 2).
  - Core-course GPA is calculated using the **best 16 core courses** that meet subject-area requirements.
- **Initial full-time collegiate enrollment *on or after* August 1, 2016:**
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see online Page No. 2).
  - Core-course GPA is calculated using the **best 16 core courses** that meet both progression (10 before seventh semester; seven in English, math or science; "locked in") and subject-area requirements.

DIVISION I Core-Course Requirement (16)
4 years of English
3 years of math (Algebra I or higher)
2 years of natural/physical science (1 year of lab if offered)
1 year of additional English, math or natural/physical science
2 years of social science
4 years of additional courses (any area above, foreign language or comparative religion/philosophy)

DIVISION I – 2016 Qualifier Requirements
<i>*Athletics aid, practice, and competition</i>
• 16 core courses <ul style="list-style-type: none"> <li>◦ Ten (10) core courses completed before the start of seventh semester. Seven (7) of the 10 must be in English, Math or natural / physical science.               <ul style="list-style-type: none"> <li>▪ "Locked in" for core-course GPA calculation.</li> </ul> </li> </ul>
• Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B Graduate from high school.

DIVISION I – 2016 Academic Redshirt Requirements
<i>*Athletics aid and practice (no competition)</i>
• 16 core courses <ul style="list-style-type: none"> <li>◦ No grades/credits "locked in" (repeated courses after the seventh semester begins may be used for initial eligibility).</li> </ul>
• Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B (see Page No. 2).
• Graduate from high school.

**NCAA Division II Initial - Eligibility Requirements**

**Core Courses**

- **Division II currently requires 16 core courses.** See the chart below.
- **Beginning August 1, 2018**, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.

**Test Scores**

- **Division II** currently requires a minimum SAT score of 820 or an ACT sum score of 68. **Beginning August 1, 2018**, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

**Grade-Point Average**

- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website ([www.eligibilitycenter.org](http://www.eligibilitycenter.org)). Only

courses that appear on your school's approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.

- The current **Division II** core GPA requirement is a minimum of 2.000. **Division II** core GPA required to be eligible for competition **on or after August 1, 2018**, is 2.200 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 online).
- The minimum **Division II** core GPA required to receive athletics aid and practice as a partial qualifier **on or after August 1, 2018**, is 2.000 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- Remember, the NCAA core GPA is calculated using NCAA core courses only.

DIVISION II - 16 Core Courses
3 years of English.
2 years of mathematics (Algebra I or higher).
2 years of natural/physical science (1 year of lab if offered by high school).
3 years of additional English, mathematics or natural/physical science.
2 years of social science.
4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

**For more information, visit the NCAA Eligibility Center website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org)**





# M-CHS CAREER / ACADEMIC PLAN SHEET



Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_ DOB: \_\_\_\_\_

Grade: \_\_\_\_\_ Date: \_\_\_\_\_ Advisor: \_\_\_\_\_ Counselor: \_\_\_\_\_

- ☐ IEP  
☐ HONORS  
☐ 504

GRADUATION REQUIREMENTS			YEAR 1	(9) FRESHMAN	CREDITS
SUBJECT	ACADEMIC CREDITS	HONORS DIPLOMA	ACTIVITIES:	English	
English	4.0	4.0		Math	
Math*	3.0	4.0		Science	
Science	3.0	3.0	WORK:	Soc Studies	
Social Science	3.0	3.0			
PE	0.5	0.5			
Health	0.5	0.5	SERVICE PROJECTS:		
Electives	9.0	8.0			
Foreign Language	--	2.0			
Fine Arts	--	1.0			
TOTAL: 23.0				TOTAL:	
*MATH must include Algebra 2			YEAR 2	(10) SOPHOMORE	CREDITS
<b>REVERSE ENGINEERED PLAN:</b> 1. CAREER / GOAL:  2. POST SECONDARY TRAINING: (college, apprenticeship)  3. HIGH SCHOOL COMPETENCY: ENGLISH / MATH - Scores Required ACCUPLACER – 62/61 ACT – 18/19 SAT – 430/460 ACT WORK KEYS - BRONZE ADVANCED PLACEMENT – 2/2 CONCURRENT ENROLLMENT  4. HIGH SCHOOL ELECTIVE:  Electives should align to above			ACTIVITIES:	English	
				Math	
				Science	
			WORK:	Soc Studies	
			SERVICE PROJECTS:		
				TOTAL:	
			YEAR 3	(11) JUNIOR	CREDITS
			ACTIVITIES:	English	
				Math	
				Science	
			WORK:	Soc Studies	
			SERVICE PROJECTS:		
				TOTAL:	
			YEAR 4	(12) SENIOR	CREDITS
			ACTIVITIES:	English	
				Math	
				Science	
				Soc Studies	
			WORK:		
			SERVICE PROJECTS:		
				TOTAL:	

...The best way to predict  
your future

is to create it . . .

~ SIDE NOTES ~

**HIGH SCHOOL COMPETENCY:**

ENGLISH / MATH - Scores Required

ACCUPLACER – 62/61

ACT – 18/19

SAT – 430/460

ACT WORK KEYS - BRONZE

ADVANCED PLACEMENT – 2/2

CONCURRENT ENROLLMENT