

**GENERAL WILLIAM
MITCHELL HIGH SCHOOL
MIGHTY MARAUDERS**



**COURSE DESCRIPTION CATALOG
2023-2024**

Colorado Springs, CO 80909
(719) 328-6600

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Mission Statement for Mitchell High School

Mission

We dare to empower the whole student to profoundly impact our world.

Vision

Our vision is to operate in a culture that builds, maintains, and restores trust as defined by sincerity, competence, reliability, and care; to offer a first-class school to our community that prepares all students for post-secondary readiness, college and career.

Administrative Staff

George Smith	Principal	328-6602
David Latino	Assistant Principal	328-6603
Renee Cockrell	Assistant Principal	328-6605
Terrie Blackwell	Administrative Assistant-Principal	328-6610
Amanda Wermers	Assistant Principal-Discipline	323-6609
Brian Blanc	Dean of Students	328-6642
Maria Vasquez	School Staff Assistant-Discipline	328-6685
Valerie Jordan	Project Manager	328-6608

Counseling Staff

Angela Torres	Counseling Secretary	328-6612
Maria Niichel Department Chair	10 th Grade, 9 th Grade Last names A-F	328-6629
Kristin Frederick	11 th Grade, 9 th Grade Last names G-Q	328-6637
Latisha Donaldson	12 th Grade & 9 th Grade last names R-Z	328-6604
Vanessa Castillo	Registrar	328-6615
Lourdes Pico	ELL Community Liaison	328-6688
Dewey Steele	Community Liaison	328-6647
Dana Bustos	Military and Family Life Counselor	328-6635

2023 – 2024 Course Selection

Registration Procedure

1. Read the course descriptions carefully!
2. Discuss possible choices with your parents/guardians, teachers, and counselor.
3. Check the graduation requirements
4. Complete the 4 -year Planning Worksheet

Cancellation of Classes

Scheduling conflicts may preclude students from taking some courses of their choice. Courses may be cancelled if enrollment or staffing changes do not permit the offering. Other courses may be combined or regrouped depending on class enrollment.

Intervention Classes

Students may be scheduled into intervention courses. Placement will be based on TCAP test scores, MAPS test scores, or other District Eleven testing criteria. Additionally, students failing multiple classes will be removed from elective courses and scheduled in guided study skills classes.

Schedule Change Policy

During the spring of each year and prior to the end of first semester, students will be given the opportunity to review their next semester's schedule and make adjustments to accommodate changes in career or college preparation or to meet graduation requirements. Changes must be aligned with the student's Individual Career and Academic Plan (ICAP). Classes may be changed during the first three days of the semester if space is available. Students must obtain the approval of the principal before meeting with their counselor. It is the student's responsibility to make up all missed work when enrolling in a class late.

NCAA CLEARINGHOUSE: All NCAA approved Colorado Springs School District 11 courses are available online at www.ncaaclearinghouse.net. Student athletes wanting to register with NCAA Clearinghouse should first contact their Mitchell High School counselor and registrar.

Course and Program Descriptions

Complete Course Descriptions may also be found on Mitchell's website.

Check it out!!

A Letter to Students

You have made an excellent choice with Mitchell High School!!! The Mitchell staff is looking forward to assisting you with your plans for this school year as you begin preparations to fulfill your requirements toward graduation.

In addition to taking classes that fulfill graduation requirements, it is a requirement that every student create an ICAP account that will help build a foundation for the best future they can possibly achieve. The counselors are available to assist you in this process and are professionally trained to guide you in the direction necessary to meet future goals and aspirations.

Your counselor will work with you throughout your high school career. Counselors are responsible for making necessary adjustments to your schedule and personal counseling. If a student wants to make a schedule change, they are required to come in and schedule an appointment with his/her counselor. We encourage students to avoid missing academic instruction when scheduling appointments.

Please remember that you do not need to have a major problem to schedule a visit with your counselor. We look forward to working together toward the successful completion of your high school experience.

Again, welcome to Mitchell High School,

Counseling Department

Four-Year College Plan

Courses in *Italics* are recommended for 4-year college-bound students.

To discuss your student's course request, please call the Mitchell Counseling Center and leave a message with our Counseling Staff Assistant @ 328-6612

9th Grade

1st Semester

English
World History
Math
Science
Computer or PE
Elective/*Foreign Language*

2nd Semester

English
World History
Math
Science
Computer or PE
Elective/*Foreign Language*

10th Grade

1st Semester

English
US History
Math
Science
Health or PE
Elective/*Foreign Language*

2nd Semester

English
US History
Math
Science
Health or PE
Elective/*Foreign Language*

11th Grade

1st Semester

English
U.S Government
Science
Math
Elective/*Foreign Language*

2nd Semester

English
Elective
Science
Math
Elective/*Foreign Language*

12th Grade

1st Semester

English
Economics
Science
Math
Elective/*Foreign Language*

2nd Semester

English
Elective
Science
Math
Elective/*Foreign Language*

DISTRICT 11 2023+ Graduation Requirements

GRADUATION REQUIREMENTS (APPLIED TO 2021 GRADUATES)

Beginning with the 2017-2018 freshman class (scheduled to graduate in 2021), for a student to graduate from a Colorado Springs School District 11 (the District) high school, the following must be achieved:

A. Completion of an Individual Career and Academic Plan (ICAP).

Individual Career and Academic Plan (ICAP) - a multi-year process that intentionally guides students and families in the exploration of career, academic and postsecondary

Beginning with 9th grade in the fall of 2016 and continuing thereafter, all students will develop an ICAP. With the support of adults, students develop the awareness, knowledge, attitudes, and skills to create their own meaningful and powerful pathways to postsecondary and workforce readiness.

B. Successful demonstration of academic and career competencies aligned to the adopted Colorado Academic Standards by earning the minimum number of credits for graduation as defined in this regulation for students graduating in 2021, and thereafter.

The minimum number of credits for graduation from the District's high schools shall be 46. The subjects for which credits must be earned through grade 12 are outlined below.

Subject areas Credits	Semester Credits
English Language Arts Core required (English 1 through 8)	8
Social Studies (American History and Civil Government required; World History recommended)	6
Mathematics (2 semester credits of first year Algebra required)	6
Science (2 semester credits of Physical Science, 2 semester credits Biology, 2 credits any other designated science class required)	6
Physical Education	3
Health	1
Humanities (English, music, fine arts and/or world language)	2
Economics	1
Postsecondary Workforce Readiness (this includes, but is not limited to, automotive, business education, computer science, industrial arts/vocational education, consumer and family studies, Career and Technical Education (CTE), Concurrent Enrollment (CE), Advancement Via Individual Determination (AVID), Junior Reserve Officer Training Corps (JROTC), and Career Pathways)	1
Required subjects	35
Electives	11
Minimum total for graduation	46

Early graduation may be permitted when a student has completed all course requirements for graduation and has completed the appropriate application. Applications are available in the Counseling Center.

Higher Education Admission Requirements

The Colorado Commission on Higher Education (CCHE) revised the Admission Standards Policy to include the addition of a pre-collegiate course completion requirement.

The updated admission requirements identify a combination of courses, primarily in the areas of English, mathematics, natural and physical sciences, and social sciences that students should plan to complete as preparation for entering one of Colorado's four-year public colleges or universities. However, the completion of these requirements **does not guarantee admission to any of Colorado's four-year public colleges or universities.**

Community colleges will continue to be **open admissions**; students enrolling in these institutions are not subject to admission standards.

CCHE = D-11

English	4 units	8 credits
Mathematics (Algebra 1/2 level and higher)	4 units	8 credits
Natural/Physical Sciences (2 units must be lab based)	3 units	6 credits
Social Sciences (at least one unit of U.S. and World History)	3 units	6 credits
Foreign Language (must be same language)	2 units	4 credits
Academic Electives	2 units	4 credits
TOTAL	18 units*	36 credits

***Each unit represents one year.**

College Credits while in High School

Colorado Springs School District 11 students may obtain college credits through the following programs:

Advanced Placement Courses are designed for students that are ready for college level academic work. This program is operated by a national organization, the College Board, which defines course curriculum, provides teacher training, and administers a national standardized examination for each course. Most colleges award college credit to students who earn at least a rating of “3” out of a possible “5” on the examination while others require a score of “4”. Some colleges require successful completion of Advanced Placement courses for admission to the college and do not award credits toward the college degree. Parents and students are advised to check with colleges for additional details. For more information, please consult with your high school counselor.

Dual Credit Courses may be completed at the high school where the student is enrolled or at a post-secondary institution, are courses for which the student has been granted permission to earn both Carnegie units (high school) and college credit. Students must have prior permission to enroll for dual credit and meet the requirements specified by the college. Students are responsible for verifying any college’s acceptance of credits earned as dual credit. Enrollment in a dual credit course does not guarantee college acceptance. Please contact your school counselor for information regarding available dual credit options.

Concurrent Enrollment allows students to access supplemental tuition funds to study at the postsecondary level while still in high school. Through this program, students may earn both high school and college credit. Students who would not typically access college without an “advance” start, students with significant academic needs and students who have exhausted district curriculum may be interested in the Colorado Springs School District 11 Enrollment Program (CE). An up-to-date Individual Career and Academic Plan (ICAP) is required. Books and other college course fees shall be at the expense of the student or his/her parents or legal guardians. For more information, please consult with your high school counselor.

The Area Vocational Program (AVP) provides occupational skill development and training for juniors and seniors. District 11 pays all costs for the year long program. Students completing AVP earn credit which can be applied toward high school graduation. Under certain circumstances, and at the instructor’s discretion, college credit may also be earned which may be applied to a post-secondary certificate or degree. AVP strives to prepare students for the world of work by teaching the related academics and workplace basics that are essential for employment. Programs offered through AVP are: Auto Collision Repair, Computer Aided Drafting, Computer Information Systems, Criminal Justice, Diesel Power Tech., Early Childhood Education, Fire Science Technology, Health Career Exploration, Health Science Tech., Multimedia Graphic Design, Radio and Television, Sign Language Interpreter Prep., Welding, and Zoo Keeping. Additional information regarding this opportunity is available at <http://www.ppcc.edu/high-school-students/>

Articulation Credit is a way for high school students to earn college credit as they build career and technical education skills. A high school student can receive PPCC credit if they earn an A or B in their high school articulated course(s). Articulated credit and coursework will be recorded on an official Pikes Peak Community College transcript. These credits vary from high school to high school. Please contact your school counselor for information regarding articulation credits available at your location. Additional information regarding this opportunity is available at <http://www.ppcc.edu/high-school-students/>

Athletic Programs

The interscholastic athletic program at Mitchell covers a variety of sports throughout the school year. All students who have an interest in athletics are encouraged to participate in the sport(s) of their choice.

The program is designed to improve the student's self-confidence, physical abilities, self-discipline, responsibility, and sportsmanship. Among the chief benefits of the physical education and athletic programs are the development of a physically fit body and the development of interests in and skill for continued leisure-time activities. In addition, research shows that students who participate in sports programs tend to have higher grade point averages, better attendance records, lower dropout rates and fewer discipline problems than other students. Mitchell is a member of the Colorado Springs North Metropolitan League. Athletic letters are awarded to deserving varsity participants. The following is a listing of the interscholastic sports offered at Mitchell High School.

Mitchell Sports

Fall Sports

Cheer
Cross Country – Boys
Cross Country – Girls
Football – Boys
Golf – Boys

Soccer - Boys
Softball - Girls
Spirit/Dance
*Tennis - Boys
Volleyball - Girls

Winter Sports

Basketball – Boys
Basketball – Girls
Cheer
* Hockey
Spirit/Dance
*Swimming – Girls
Wrestling – Coed

* Sports are available through the district

Spring Sports

Baseball – Boys
Cheer
* Lacrosse - Boys
* Lacrosse - Girls
Golf - Girls
Soccer – Girls
Spirit/Dance
*Swimming – Boys
Tennis – Girls
Track & Field – Boys
Track & Field – Girls

All athletes are required by CHSAA (Colorado High Schools Activities Association) to be enrolled in a minimum of five classes, five total credits per semester, and not failing more than one class. To be eligible, a student must not have failed more than one class the previous semester.

Sports Fees: Athletic fees for all sports levels are listed below:

Regular \$82.00 sport fee Reduced lunch: \$55.00 sport fee Free lunch: \$27.00 sport fee

Each family has a sports-fee cap of \$250. Athletes will be expected to pay the full fee unless they submit a copy of the approval letter for the National School Lunch Program to the high school business office. Receipt of the letter qualifies students for the reduced or free lunch fee for athletics and other areas.

NCAA Clearinghouse: All NCAA approved Colorado Springs School District 11 courses are available online at www.ncaaclearinghouse.net. Student athletes wanting to register with NCAA Eligibility Center should first contact their Mitchell High School counselor and registrar.

Mitchell Clubs

Thespian Club
Art Club
Chess Club
Lego Club
Gaming Club
Science Club
GSA Club
Link Club

Fellowship of Christian Students
Gift and Talented
Health Occupation Students of American (HOSA)
Marksmanship (JROTC)
Photography Club
Students Working Against Tobacco (SWAT)
Student Council
Yearbook

Physical Training Team (JROTC)
Cyber Patriot Team (JROTC)
Drill Team Red (JROTC)
Skills USA
Color Guard
National Honor Society
Special Olympics
Spanish Club
Gear UP

Students may initiate the formation of other clubs or organizations as described by school policy

Recommendations for Honors Level and AP Classes

Students should fit the following profile in order to assure success in these classes:

Performance

The student

- Consistently strives to meet high academic standards
- Demonstrates ability in abstract reasoning
- Possesses broad general knowledge
- Respects deadlines
- Puts forth “best effort”, not just good enough effort
- Demonstrates probing curiosity
- Acts with maturity in the classroom
- Participates actively in class discussion
- Demonstrates pride in work submitted
- Uses textbooks generally above grade level
- Participates in extracurricular academic activities

Attitude

The student:

- Assumes responsibility for own learning
- Possesses a strong work ethic
- Expects at least one hour of nightly homework in the honors class
- Comes to class prepared to work
- Seeks opportunities for enrichment
- Welcomes creative and challenging assignments
- And, where applicable, suggests own assignments

Behavior

The student:

- Uses class time wisely
- Respects classmates and teachers
- Demonstrates personal integrity

Attendance

The student:

- Seldom misses class
- Arrives punctually
- Completes make-up work immediately

Generally speaking, students who sign up for honors classes should meet the following subject-area criteria in grade 8:

- Students should be scoring at the Proficient or Advanced level on the CSAP tests
- Students should be earning a minimum of a “B” letter grade
- Students should have a teacher recommendation

Students should not sign up for honors classes with the idea of dropping the class if they cannot earn the grade they want or find the class too difficult. Signing up for these classes is a year-long commitment by both the student and parents.

Air Force Junior Reserve Officer Training Corps

The mission of JROTC is to develop citizens of character dedicated to serving their nation and community. This course will educate and train students in citizenship, promote community service, instill responsibility, character, self-discipline, and leadership qualities. Mitchell High School is one of nine schools in Colorado to provide an Air Force JROTC program. The program is available to students in grades 9-12. Academic course credit will apply towards graduation requirements.

The Air Force JROTC curriculum focuses on three areas, Aerospace Science, Leadership Education, and Wellness. Aerospace Science introduces cadets to the history of aviation, principles of aircraft flight and navigation, space environment and programs, and cultural and global awareness. The Leadership Education curriculum emphasizes discipline, responsibility, leadership, followership, citizenship, customs and courtesies, cadet corps activities, time management, communications skills, and drill and ceremony. Leadership development includes wearing the uniform, engaging in Air Force customs and courtesies, participating in drill and ceremonies, giving and receiving instructions, and acting as leaders and members of an organization. The Wellness program motivates cadets to lead healthy active lifestyles beyond program requirements and into their adult lives. The co-curricular activities associated with the JROTC program include Color Guard, Drill Team, Cyber Patriot Team, Marksmanship Team, and Physical Fitness Team. Field trips to local bases, colleges, and industries are part of the curriculum in action program that supports and serves as an extension of the Air Force JROTC curriculum. Other activities cadets enjoy are the end-of-year military ball and awards ceremony.

The course is not a recruiting program for the military, nor is it a military boot camp. It is a blend of science, social science, physical education, training in drill and ceremonies, and leadership development. Students do not incur any service obligation by participating in the Air Force Junior ROTC program. Students who complete three or four years of Air Force JROTC and receive a "Certificate of Completion" may be qualified for increased consideration in the annual nation-wide competition for senior ROTC scholarships and service academy appointments.

Cadets will be awarded a certificate of completion for successfully completing two, three, or four years of Air Force JROTC. Based on current DOD Instructions and military services' policies and procedures, cadets may be eligible for advance enlistment upon successfully completing two, three, or four years of JROTC. Additionally, cadets completing at least two years of JROTC may be entitled to credit in the Senior ROTC program based on current Air Force Instructions



Course Number: AFROTC 1/2

Course Name: Milestones in Aviation History / Foundations of Leadership

Prerequisite: None

Course Description: This course provides a historical perspective of Aviation from the Wright Brothers to Modern Day and covers basic principles of leadership.

Grade Level: 9-12 grade(s)

Credit Per Semester: 1 (Physical Education, Social Studies Elective, or Elective)

Course Number: AFROTC 3/4

Course Name: Global Studies/ Leadership and Communication

Prerequisite: Milestones in Aviation History

Course Description: This course provides an introduction to Cultural Awareness and Global Studies and exposes students

to different regions of the world by taking an in-depth look at the people groups, religions, languages, and culture of various regions and also exploring US interests in those regions.

Grade Level: 9-12 grade(s)

Credit Per Semester: 1 (Physical Education, Science Elective, or Elective)

Course Number: AFROTC 5/6

Course Name: Space Exploration / Lifeskills

Prerequisite: Milestones in Aviation History

Course Description: This course focuses on astronomy, space environment, United States and Soviet space exploration efforts, space technology, introduction to orbital mechanics, and aerospace law. The leadership education curriculum focuses on LifeSkills with an emphasis on college and career preparation.

Grade Level: 9-12 grade(s)

Credit Per Semester: 1 (Physical Education, Science Elective, or Elective)

Course Number: AFJROTC 7/8

Course Name: Management of the Cadet Corps

Prerequisite: All other AFJROTC Courses

Course Description: Management of the Cadet Corps is a course that provides 4th year cadets the opportunity to gain hand-on experience in managing the entire Cadet Corps. Cadets apply concepts learned in previous courses in planning, organizing, coordinating, directing and controlling cadet activities. Cadets practice their communication, decision-making, personal-interaction, managerial, and organizational skills. Leadership Education IV focuses on the principles of management. Specifically, the cadets will understand the fundamentals of management, know the concepts and skills of problem solving, decision making and negotiating, and comprehend the importance of managing oneself and others. Cadets will demonstrate their class knowledge in managing the Cadet Corps day-to-day activities.

Grade Level: 12th grade only

Credit Per Semester: 1.0 (Elective)

Visual Arts – Performing Arts

Course Number: AR.CERAM1

Course Name: Ceramics 1

Prerequisite: None

Course Description: Ceramics 1 is a course designed to offer students introductory experiences in hand-building and wheel-throwing techniques. Attention will be given to developing awareness of the aesthetic and utilitarian roles of clay as a design material. The elements and principles of design will be emphasized in planning and creating ceramic forms which utilize the techniques, processes, and materials of ceramics design. The cultural and appreciative aspects of art are incorporated into the course through various instructional resources and art production experiences.

Course Length: 2 semesters

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Course Number: AR.CERAM2

Course Name: Ceramics 2

Prerequisite: Ceramics 1

Course Description: This course will explore the ceramics process, its function in society, its history, its aesthetics, its relationships to the elements and principles of design, and the production and development of specific skills and techniques.

Course Length: 2 semesters

Period Length: 1

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Course Number: AR.DRAW1

Course Name: Freehand Drawing 1

Prerequisites: None

Course Length: 1 Semester(s)

Grade Level(s): 9-12

Credit Per Semester: 1.0 (Humanities or Elective)

Course Description: Freehand Drawing 1 is an introductory course designed to offer students opportunities to create images from both observed and imaginary forms. The use of appropriate drawing tools and techniques will be emphasized to achieve the desired effects. Classroom activities will concentrate upon contour, gesture, mass and perspective drawings from life as well as the imagination. The cultural and appreciative aspects of art are incorporated into the course through various instructional resources and art production experiences.

Course Number: AR.INTROVA

Course Name: Intro to Visual Arts

Prerequisite: None

Course Description: In order to break the rules you need to know what they are. Learn the rules of art, the elements, and principles in order to unlock the mysteries of art. Discover what works. Armed with this information, take charge of the media to express yourself in two- and three-dimensional works of art. This class gives you a chance to explore a variety of media: drawing, computer art, sculpture, ceramics, painting, photo and/or printmaking.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or elective)

Course Number: AR.PAINT1

Course Name: Painting 1

Course Description: Painting 1 explores various painting techniques, elements of composition, and color concepts. Materials used for painting representational, expressive or abstracted images include, but are not limited to, tempera, watercolor, acrylic, and oil. Fundamentals of composition, color, theory, and developmental skills will be emphasized. Art history will be incorporated into the course through aesthetics and criticism through varied instructional media and resources.

Course Length: 2 semesters

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Course Number: AR.PAINT2

Course Name: Painting 2

Prerequisite: Painting 1

Course Description: Painting 2 affords the student the opportunity to continue developing advanced skills in painting techniques using representational, expressive, and abstracted images. Various materials will be utilized and emphasis will be on increased control of color and tools of painting. Art history will be incorporated into the course through films, slides, and reports. A variety of tools and materials will be utilized, and emphasis will be placed upon increased control of color and refinement of techniques. Art history, aesthetics, and criticism will be incorporated into the course through a variety of instructional media and resources.

Course Length: 2 semesters

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Course Number: EN.DRAMA1, EN.DRAMA2

Course Name: Drama Workshop 1, 2

Prerequisite: None

Course Description: This course introduces the fundamental skills of beginning acting. Units will include basic acting, stage movement, voice improvement, pantomime, and characterization. Emphasis during Drama 2 will be upon the continued development of the techniques of acting through memorized performances. Students will select one aspect of theatre history as a subject for a course project.

Course Length: 2 semesters / 1 full year

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Course Number: EN.DRAMA3, EN.DRAMA4

Course Name: Drama Workshop 3, 4

Prerequisite: Drama Workshop 1, 2 or permission of instructor

Course Description: Course emphasis will be on organizational aspects for the production of a play. Script preparation, casting, rehearsal, and promotion are major course areas. Each student will be required to fulfill a production responsibility with in-class school productions.

Course Length: 2 semesters / 1 full year

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Course Number: EN.DRAMA5, EN.DRAMA6

Course Name: Drama Workshop 5, 6

Prerequisite: Drama Workshop 1, 2 or permission of instructor

Course Description: Course emphasis will be on organizational aspects for the production of a play. Script preparation, casting, rehearsal, and promotion are major course areas. Students will select one aspect of theatre history as a subject for a course project. Each student will be required to fulfill a production responsibility with in-class school productions.

Course Length: 2 semesters / 1 full year

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Course Number: EN.STAGE1, EN.STAGE2

Course Name: Stagecraft 1, 2

Prerequisite: None

Course Description: This is primarily a hands-on lab course in backstage work. Students will learn basic stage tools and facilities. They will be involved in maintaining the stage and working on theatre productions. Areas covered will be types of theaters and production roles, scenery construction, costume design and construction, properties design and construction, and publicity design. Second semester, students break into production teams to organize, design, and construct elements for school productions.

Course Length: 2 semesters / 1 full year

Grade Level: 9-12 grade(s)

Credit Per Semester: One (1) Humanities, Practical Arts, Elective or Postsecondary Workforce Readiness (2021+)

Course Number: EN.TECTHR1

Course Name: Technical Theater 1

Prerequisite: Drama 3, 4 and Stagecraft

Course Description: This course is open to students who wish to understand the technical aspects of the theater. They will be assigned technical duties for the main stage production of that semester. Students will learn lighting, sound, set construction, props, scene painting, publicity, costumes and make up in this hands-on course.

Course Length: 1 semester

Grade Level: 10-12 grade(s)

Credit Per Semester: 1.0 (Practical Arts or Elective)

Course Number: MU.CHMSGR1, MU.CHMSGR2

Course Name: Chamber Singer 1, 2

Prerequisite: A Level III high school vocal music class or teacher approval.

Course Description: This is a Level IV high school vocal music class. Students must audition to be enrolled in this class. Membership for this highly select choir is made up of students with previous choir experience. The scope of music involves Renaissance madrigals to contemporary choral literature. This ensemble may participate in the District Eleven Honor Choir. Knowledge of and ability to perform music at level IV or beyond. Fluent use of expressive elements in a performance. Ability to fluently read and write complex musical notation appropriate to level IV. Ability to compare and contrast different musical structures. Ability to make adjustments to produce a high quality performance.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective) Honors credit available to students who complete additional teacher requirements.

Course Number: MU.COLORG

Course Name: Color Guard

Prerequisite: None

Course Description: Instructor's approval The Color Guard performs with the marching band at all of its performances. Additional practice time is required before and after school. Auditions are held in the spring. Attendance at scheduled performances is required and is considered part of the student's grade.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Course Number: MU.CONCB1, MU.CONCB2

Course Name: Concert Band 1, 2

Prerequisite: A Level I band class or teacher approval.

Course Description: This is a Level II high school instrumental music class. Some playing experience is necessary to enroll in this class. This band is a training group to prepare students with skills necessary to participate in a Level III instrumental music class. Literature is geared to the member's abilities with emphasis being placed on improvement of tone quality, reading skills and technical proficiency. Attendance at scheduled performances is required and is considered part of the student's grade. Ability to perform on an instrument at Level II or beyond. Ability to read Level II musical notation. Ability to write basic musical notation. Ability to identify and understand musical structure.

Course Length: 2 semesters/ Year Long

Grade Level: 9-12 grade(s)

Credit Per Semester: One (1) – (Humanities or Elective) Honors credit available to students who complete additional teacher requirements.

Course Number: MU.CONCH1, MU.CONCH2

Course Name: Concert Choir 1, 2

Prerequisite: A Level I vocal music class or teacher approval.

Course Description: This is a Level II high school vocal music class. This class requires some singing experience. The purpose of this choir is to represent the school and the department at programs in the school and in the community. Individuals will increase their music appreciation through the performance of fine choral literature and develop skills that will prepare them for future musical experiences. This choir may perform at middle schools and may participate in the State Festival Contest. Ability to perform vocally at Level II or beyond. Ability to read Level II musical notation. Ability to write basic musical notation. Ability to identify and understand musical structure.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: One (1) – (Humanities or Elective) Honors credit available to students who complete additional teacher requirements.

Course Number: MU.CONCST1, MU.CONCST2

Course Name: Concert Strings 1, 2

Prerequisite: A Level I string class or teacher approval.

Course Description: This is a Level II high school instrumental music class. This class requires some playing experience. This is a training group to prepare students with skills necessary to participate in a Level III high school music class. Literature is geared to the member's abilities with emphasis being placed on improvement of tone quality, reading skills and technical proficiency. Attendance at scheduled performances is required and is considered part of the student's grade. Ability to perform on an instrument at Level II or beyond. Ability to read Level II musical notation. Ability to write basic musical notation. Ability to identify and understand musical structure.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: One (1) – (Humanities or Elective) Honors credit available to students who complete additional teacher requirements

Course Number: MU.DIGITAL

Course Name: Digital Audio & Music Production

Prerequisite: None

Course Description: This class teaches the fundamentals of making music on the computer for applications like broadcast, film, and gaming. Students will produce/compose digital music using the GarageBand music sequencing platform. Students will also learn the basic, practical music theory and keyboard skills necessary to compose music in the digital realm, as well as being introduced to the process of placing and licensing music cues with digital music libraries and scoring for film.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: One (1) Humanities or Elective

Course Number: MU.GUITAR

Course Name: Guitar

Prerequisite: None

Course Description: This course is designed for students who choose to play guitar. A variety of music will be provided to improve skills and prepare for performances. A limited number of instruments may be available, therefore, in most cases, the students must provide his/her instrument as well as method book. Attendance at scheduled performances is required and is considered part of the student's grade.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Course Number: MU.BGINST1, MU.BGINST2

Course Name: Beginning Instrument 1, 2

Prerequisites: None

Course Length: 2 Semesters/ Year Long

Grade Level(s): 9-12

Credit Per Semester: One (1) (Humanities or Elective) Honors credit available to students who complete additional teacher requirements.

Course Description: This is a Level I high school instrumental music class. Students need little to no playing experience to enroll in this class. This class is designed to teach beginning instrumentalists on wind, brass, percussion, and string instruments. Also, advanced students desiring to learn second instruments may enroll. Students in this class will learn basic musicianship in preparation for participation in band or orchestra. Only standard band or orchestral instruments are offered. The pace of study will be rapid to benefit the dedicated student. A limited number of instruments may be available. Therefore, in most cases the student must provide his/her instrument as well as a method book. Basic knowledge of and ability to play an instrument. Basic knowledge of how to perform on an instrument. Basic knowledge of and ability to perform with others. Ability to read Level I musical notation.

Course Number: MU.JAZZEN1, MU.JAZZEN2

Course Name: Jazz Ensemble 1, 2

Prerequisite: A Level I band class or teacher approval.

Course Description: This is a Level II high school instrumental music class. Some playing experience is necessary to enroll in this class. Only those students who demonstrate a thorough knowledge and understanding of their instruments will be considered for inclusion in this group. Basic instrumentation includes saxophone, trumpet, trombone, piano, bass, guitar, and trap set. Jazz ensemble performs at jazz festivals, assemblies, concerts, and community events. This band provides an opportunity for the student to study and perform music in the jazz idiom. Attendance at scheduled performances is required and is considered part of the student's grade. Ability to perform on an instrument at Level II or beyond. Ability to read Level II musical notation. Ability to write basic musical notation. Ability to identify and understand musical structure.

Course Length: 2 semesters/Year Long

Grade Level: 9-12 grade(s)

Credit Per Semester: One (1) – (Humanities or Elective) Honors credit available to students who complete additional teacher requirements.

Course Number: MU.MARCH

Course Name: Marching Band

Prerequisite: None

Course Description: Instructor's approval Marching band performs at half-time for home football games. The director may choose to participate in college-sponsored band days, regional contest/state contest as approved by the CHSAA. Due to performance requirements at the beginning of the school year, rehearsals of sections or the entire band could begin one month prior to the opening of school. Students are expected to attend extra rehearsals for individual and small-group help as needed during the school year. Members of the auxiliary groups; i.e., color guard, are responsible for all requirements of marching band. Attendance at scheduled performances is required and is considered part of the student's grade. (12/94)

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Course Number: MU.BAND2

Course Name: Band 2

Prerequisites: Instructor's approval

Course Length: 2 Semesters/ Year Long

Grade Level(s): 9-12

Credit Per Semester: One (1) (Humanities or Elective) Honors credit available to students who complete additional teacher requirements.

Course Description: Students who enroll in band must enroll for two semesters. All band members participate in marching band and, according to the results of auditions, will become members of either wind ensemble, symphonic band, concert band, or intermediate band.

Course Number: MU.REPCH1, MU.REPCH2

Course Name: Repertory Choir 1, 2

Prerequisite: A Level I vocal music class or teacher approval.

Course Description: This is a Level II high school vocal music class. Some vocal experience is necessary to enroll in this class. This ensemble will experience singing a wide variety of choral literature and styles and participate in major concerts. Ability to perform vocally at Level II or beyond. Ability to read Level II musical notation. Ability to write basic musical notation. Ability to identify and understand musical structure.

Course Length: 2 semesters/year-long

Grade Level: 9-12 grade(s)

Credit Per Semester: One (1) – (Humanities or Elective) Honors credit available to students who complete additional teacher requirements.

Course Number: MU.SHOWCH1, MU.SHOWCH2

Course Name: Show Choir 1, 2

Prerequisite: A Level I vocal music class or teacher approval.

Course Description: This is a Level II high school music class. This class requires some singing experience. This choral ensemble performs show tunes, swing, and popular music set to choreography. Ability to perform vocally at Level II or beyond. Ability to read Level II musical notation. Ability to write basic musical notation. Ability to identify and understand musical structure.

Course Length: 2 semesters/year-long

Grade Level: 9-12 grade(s)

Credit Per Semester: One (1) – (Humanities or Elective) Honors credit available to students who complete additional teacher requirements.

Course Number: MU.SYMSTR1, MU.SYMSTR2

Course Name: Symphonic Strings 1, 2

Prerequisites: Level II high school instrumental music class or instructors' approval.

Course Length: 1 Semester

Grade Level(s): 9-12

Credit Per Semester: One (1) (Humanities or Elective) Honors credit available to students who complete additional teacher requirements.

Course Description: This is a Level III high school instrumental music class. Students must audition to be enrolled in this class. Symphonic Strings is a class in which various styles of music are studied and performed. Emphasis is placed on the improvement of ensemble playing. This orchestra performs at school concerts and community events. Wind and percussion players may be added when needed. Attendance at scheduled performances is required and is considered part of the student's grade. Knowledge of and ability to perform music at level III or beyond. Ability to use expressive elements in a performance. Ability to read complex musical notation appropriate to level III. Ability to write more complex musical notation. Ability to identify and understand the differences in musical structure. Ability to identify and understand the characteristics of a quality performance.

Career and Technical Education (CTE)

Course Number: IT.AVIAT1, IT.AVIAT2

Course Name: Aviation Science 1, 2

Prerequisites: None

Course Length: 1 Semester(s)

Grade Level(s): 9-12

Credit Per Semester: One (1) Practical Arts or Postsecondary Workforce Readiness (2021+)

Course Description: Course uses the Federal Aviation Administration's Pilot Handbook of Aeronautical Knowledge as an instructional basis to form a solid foundation in the seventeen areas of aviation: Introduction to Flight, Aeronautical Decision Making, Aircraft Construction, Principles of Flight, aerodynamics of flight, Flight Controls, Aircraft Systems, Flight Instruments, Flight Manuals and Documents, Weight and Balance, Aircraft Performance, Weather Theory, Aviation Weather Services, Airport Operations, Airspace, Navigation, and Aeromedical Factors. In addition to academic skills, students may gain hands-on opportunities to flight UAS simulator, professional level UAS, Flight Simulators, and learn aircraft building skills.

Course Number: IT.UAS1A, IT.UAS1B

Course Name: Aerospace Engineering 1, 2

Prerequisite: Aviation Science 1,2 and 10-12th grade

Course Description: Course builds upon the foundation formed in Aerospace Science 1 & 2 with the intention of helping students prepare for professional licensure (FAA UAS Part 107, FAA Private Pilot, and/or Airframe and Powerplant Apprenticeship. Students gain more hands-on experience conducting UAS flight operations, manned aircraft flight operations, and participate in the building of an actual aircraft in the classroom.

Building Standards, as well as the Pre-Apprenticeship Certificate Training (PACT) curriculum and the Skill Achievement Records (SARs) process for certification. Students will study theory and practices of building for a range of industry trades and gain knowledge of a variety of industry careers.

Course Number: CE.INTROPG

Course Name: Introduction to Programming

Prerequisite: None

Course Description: Students will be introduced to the fundamentals of programming logic using a unique, language-independent approach to key programming and logic concepts. Students study introductory concepts such as methods, events, algorithms, Boolean logic, text, sound, graphics, movies, games, structure, decision-making, looping array manipulation, and calling methods. Everyday examples and clear explanations are used so students with no prior programming experience can have success.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: One (1) Computer Education, Practical Arts or Postsecondary Workforce Readiness (2021+)

Course Number: CE.PROGES1, CE.PROGES2

Course Name: Computer Science Foundations 1, 2

Prerequisites: None

Course Length: 1 Semester

Grade Level(s): 9-12

Credit Per Semester: One (1) Computer, Practical Arts, or Postsecondary Workforce Readiness (2021+)+)

Course Description: In this course, students learn to design, write, debug, and run programs encoded in the Python or C language. No prior programming knowledge is required. The course begins with the very basics, guiding you step-by-step until you become adept at solving problems that are more complex.

English

Course Number: EN.EN1PAP, EN.EN2PAP

Course Name: Pre-AP English 1, 2

Prerequisites: None

Course Length: 1 Semester

Grade Level(s): 9

Credit Per Semester: One (1) English

Course Description: Pre-AP English 1-2 focuses on the close reading, analytical writing, and language skills that have immediate relevance for students across their current courses and that are most essential for their future work in high school, college, and careers. Texts take center stage in the Pre-AP English 1-2 classroom, where students engage in close, critical reading of a wide range of materials. The course trains the reader to observe the small details within a text to arrive at a deeper understanding of the whole. It also trains the writer to focus on constructing complex sentences as the foundation for writing to facilitate complex thinking and communicate ideas clearly.

Course Number: EN.EN1PAPH, EN.EN2PAPH

Course Name: Pre-AP English 1, 2 Honors

Prerequisites: None

Course Length: 1 Semester

Grade Level(s): 9

Credit Per Semester: One (1) English

Course Description: This accelerated course focuses on the close reading, analytical writing, and language skills that have immediate relevance for students across their current courses and that are most essential for their future work in high school, college, and careers. Texts take center stage in the classroom, where students engage in close, critical reading of a wide range of materials. The course trains the reader to observe the small details within a text to arrive at a deeper understanding of the whole. It also trains the writer to focus on constructing complex sentences as the foundation for writing to facilitate complex thinking and communicate ideas clearly. This course is for motivated learners who want to challenge themselves in this honors- level course by going deeper with the material taught.

Course Number: EN.EN3PAP, EN. EN4PAP

Course Name: Pre-AP English 3, 4

Prerequisite: Recommended English 1, 2 or Government and Literature 1, 2 or English 1, 2 Honors or Pre-IB English 1, 2 Honors

Course Description: English 3/4 prepares students to engage in an increasingly complex array of classic and contemporary literature and informational texts. Students expand the skills and knowledge of English 1/2 to become critical readers and writers by analyzing key ideas and details, craft, and structure. Students develop their writing skills by examining text types and purposes and writing more sophisticated arguments, explanatory/informational texts, and narratives. Students use technology to produce and distribute quality writing. Students conduct research, participate in a range of collaborative discussions, and integrate multiple sources of information. This course advances students' knowledge of the conventions of Standard English, strengthens vocabulary acquisition and use, and prepares students for real life communications.

Course Length: 1 semester

Grade Level: 10-12 grade(s)

Credit Per Semester: One (1) English

Course Number: EN.EN3HPAP, EN. EN4HPAP

Course Name: Pre-AP English 3,4 Honors

Prerequisite: English 1, 2 and invitation or recommendation of ninth-grade teacher and counselor

Course Description: English Honors 3/4 is the second course of a four-year program for highly motivated, capable students. It prepares students to engage in an increasingly complex array of classic and contemporary literature and informational texts. Students expand the skills and knowledge of English 1/2 to become critical readers and writers by analyzing key ideas and details, craft, and structure. At this level, reading selections of literature and literary nonfiction will be at the high end of the grades 10-11 text complexity band. Students develop their writing skills by examining text types and purposes and writing more sophisticated arguments, explanatory/informational texts, and narratives. Students use technology to produce and distribute quality writing. Students conduct research, participate in a range of collaborative discussions, and integrate multiple sources of information. This course advances students' knowledge of the conventions of Standard English, strengthens vocabulary acquisition and use, and prepares students for real life communications.

Course Length: 1 semester

Grade Level: 10th grade

Credit Per Semester: 1.0 (English)

Course Number: EN.ENG5, EN.ENG6

Course Name: English 5, 6

Prerequisite: English 1, 2, 3, 4 and invitation or recommendation of ninth-grade teacher and counselor.

Course Description: English 5/6 prepares students to engage in an array of classic and contemporary works in text, video, audio, and other multimedia formats. Students develop skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft, and structure. This course integrates literature and informational text. Students explore literary criticism with a focus on American literature. Students develop their writing skills by examining various text types, purposes, and rhetorical structures and by crafting arguments, explanatory/informational texts, and narratives. Students use technology to produce, publish, and share quality writing. Students conduct research projects, participate in a range of collaborative discussions, integrate multiple sources of information, and develop style and voice. This course advances students' knowledge of the conventions of Standard English, strengthens vocabulary acquisition and use, and prepares students for real life communications.

Course Length: 1 semester

Grade Level: 11-12 grade(s)

Credit Per Semester: One (1) English

Course Number: EN.LACO1AP, EN.LACO2AP

Course Name: AP Language & Composition 1, 2

Prerequisites: Successful completion of Honors English and teacher recommendation.

Course Length: 1 Semester

Grade Level(s): 11-12

Credit Per Semester: One (1) English

Course Description: The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

Course Number: EN.ENG7, EN.ENG8

Course Name: English 7, 8

Prerequisite: Recommended English 1-6

Course Description: English 7/8 prepares students to engage in an array of classic and contemporary works in text, video, audio, and other multimedia formats. Students develop skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft, and structure. This course integrates literature and informational text focusing on exploration of issues relevant to students' lives as adults and productive citizens. Students examine text types and purposes by reading and writing arguments, explanatory/informational texts, and narratives. Students use technology to produce, publish, and share quality writing products. Students conduct a research-based capstone project. They also participate in a

range of collaborative discussions integrating multiple sources of information. Students apply knowledge of the conventions of Standard English and strengthen vocabulary acquisition and use. These skills prepare students for real life communications in college and in 21st century careers.

Course Length: 1 semester

Grade Level: 12-12 grade(s)

Credit Per Semester: One (1) English

Course Number: EN.LICO1AP, EN.LICO2AP

Course Name: AP Literature & Composition 1, 2

Prerequisites: English 1 through 6 and teacher recommendation

Course Length: 1 Semester

Grade Level(s): 11-12

Credit Per Semester: One (1) English

Course Description: The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a works structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

Course Number: EN.YEARBK1, EN.YEARBK2

Course Name: Yearbook 1, 2

Prerequisites: Teacher recommendation

Course Length: 1 Semester

Grade Level(s): 9-12

Credit Per Semester: 1.0 (Humanities or Elective)

Course Description: The yearbook staff produces the school yearbook which entails planning pages, drawing layouts, gathering information, writing copy, and composing pages for the sections of the book with the guidance of the instructor. Ordering, cropping, placing photographs, and selling ads are the duties of editors and staff. Experienced, dependable photographers are needed. Applicants for the editorial staff should be able to write effectively, to do neat work, and to meet deadlines. Interested students must get an application from instructor.

English as a Second Language (ESL)

Course Number: EN.ESL1, EN.ESL2

Course Name: ESL English 1, 2

Prerequisite: Student has major difficulty in comprehension of English and school placement

Course Description: Designed for a speaker of English as a Second Language, this individualized course is tailored to the student's needs. Emphasis is on basic skills.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (English requirement)

Course Number: EN.ESL3, EN.ESL4

Course Name: ESL English 3, 4

Prerequisite: Student has major difficulty in comprehension of English

Course Description: Designed for a speaker of English as a Second Language, this individualized course is tailored to the student's needs. Emphasis is on basic skills.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (English requirement)

Course Number: EN.ESL5, EN.ESL6

Course Name: ESL English 5, 6

Prerequisite: Student has major difficulty in comprehension of English

Course Description: Designed for a speaker of English as a Second Language, this individualized course is tailored to the student's needs. Emphasis is on basic skills.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (English requirement)

Course Number: EN.ESL7, EN.ESL8

Course Name: ESL English 7, 8

Prerequisite: Student has major difficulty in comprehension of English

Course Description: Designed for a speaker of English as a Second Language, this individualized course is tailored to the student's needs. Emphasis is on basic skills.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (English requirement)

Course Number: EN_ESLNEW1, EN_ESLNEW2

Course Name: ESL Newcomer 1, 2

Prerequisite: None

Course Description:

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 Elective

Course Number: EN.ESLRDG1, EN.ESLRDG2

Course Name: ESL Reading 1, 2

Prerequisites: None for one semester

Course Length: 1 Semester

Grade Level(s): 9-12

Credit Per Semester: 1.0 (Humanities or Elective)

Course Description: This course is designed to give students individualized help with basic reading skills. Students will work to improve in areas of vocabulary, reading comprehension and study skills.

Course Number: EN.ESLRDG3, EN.ESLRDG4

Course Name: ESL Reading 3, 4

Prerequisites: instructor's approval

Course Length: 1 Semester

Grade Level(s): 9-12

Credit Per Semester: 1.0 (Humanities or Elective)

Course Description: This course is designed to give students individualized help with basic reading skills. Students will work to improve in areas of vocabulary, reading comprehension and study skills.

Course Number: EN.ESLRDG5, EN.ESLRDG6

Course Name: ESL Reading 5, 6

Prerequisites: instructor's approval

Course Length: 1 Semester

Grade Level(s): 9-12

Credit Per Semester: 1.0 (Humanities or Elective)

Course Description: This course is designed to give students individualized help with basic reading skills. Students will work to improve in areas of vocabulary, reading comprehension and study skills.

Course Number: EN.ESLRDG7, EN.ESLRDG8

Course Name: ESL Reading 7, 8

Prerequisites: instructor's approval

Course Length: 1 Semester

Grade Level(s): 9-12

Credit Per Semester: 1.0 (Humanities or Elective)

Course Description: This course is designed to give students individualized help with basic reading skills. Students will work to improve in areas of vocabulary, reading comprehension and study skills.

Mathematics

Course Number: MA.ALG1, MA.ALG2

Course Name: Algebra 1, 2

Prerequisite: None

Course Description: Algebra 1, 2 is based on the Colorado Academic Standards for Mathematical Content and Practices. Students' success in this course depends greatly on their mastery of grade 8 mathematics. Topics in this course include the algebraic, numeric and graphical study of functions and systems of functions (linear, quadratic, exponential, square root and cube root, absolute value, piece-wise, and step), transformations of functions, linear inequalities, multi-step contextual problem solving and modeling with functions, and data representation and interpretation. Graphing technology is required for this course. At **Mitchell HS** this is generally for 9th grade students. There is an intervention version for older students.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Mathematics)

Course Number: MA.ALG1H, MA.ALG2H

Course Name: Algebra 1, 2 Honors

Prerequisite: None

Course Description: Algebra 1, 2 is based on the Colorado Academic Standards for Mathematical Content and Practices. Students' success in this course depends greatly on their mastery of grade 8 mathematics. The advanced pacing is intended for students who want to follow the honors curriculum in math. Topics in this course include the algebraic, numeric and graphical study of functions and systems of functions (linear, quadratic, exponential, square root and cube root, absolute value, piece-wise, and step), transformations of functions, linear inequalities, multi-step contextual problem solving and modeling with functions, and data representation and interpretation. Graphing technology is required for this course. At **Mitchell HS** this is generally for 9th grade students.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Mathematics)

Course Number: MA.ALG3, MA.ALG4

Course Name: Algebra 3, 4

Prerequisite: Algebra 1,2 or the equivalent

Course Description: Algebra 3,4 is based on the Colorado Academic Standards for Mathematical Content and Practices. Students' success in this course depends greatly on their mastery of Algebra 1, 2. Topics in this course include the algebraic, numeric and graphical study of functions and systems of functions (polynomial, rational, radical, exponential, logarithmic and trigonometric), transformations of functions, multi-step contextual problem solving and modeling with functions, trigonometric values in the unit circle, complex numbers, probability of compound events (independence and conditional probability), and statistical analysis and decision-making including use of the normal distribution. Graphing technology is required for this course. At **Mitchell HS** this is generally for 10th grade students. 9th grade students who successfully completed Algebra 1, 2 during 8th grade will begin with this class or the Honors version. Students who have completed Integrated Math will enter this class next.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Math requirement or Elective)

Course Number: MA.ALG3H, MA.ALG4H

Course Name: Algebra 3, 4 Honors

Prerequisite: Geometry 1, 2 or its equivalent with teacher recommendation.

Course Description: Algebra 3, 4 is based on the Colorado Academic Standards for Mathematical Content and Practices. It follows the approach of making mathematics relevant by using math skills in a problem-solving environment. Students' success in this course depends greatly on their mastery of Algebra 1, 2. Many applications will be offered. All concepts of Algebra 1, 2 will be reinforced through mathematics theory and application of mathematics in new situations. The concepts include open sentences in one, two, and three variables and factoring of polynomials, matrices, complex numbers, series and sequences, probability, statistics and conic sections. Graphing calculators are recommended for this course. At **Mitchell HS** this is generally for 10th grade students who have completed Honors Algebra 1, 2. 9th grade students who successfully completed Honors Algebra 1, 2 during 8th grade will begin with this class.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Math requirement or Elective)

Course Number: MA.ANTRG1, MA.ANTRG2

Course Name: Math Analysis/Trig 1, 2

Prerequisite: Algebra 3, 4

Course Description: The purpose of this course is to prepare students for college level math courses. It offers an analytical and cohesive study of concepts introduced in previous courses and introduces new topics such as functions, vectors, and analytic geometry, and probability. This course is aligned to ACT expectations. Graphing calculators are required for this course. At **Mitchell HS** this is generally for students who have completed either Algebra 3, 4 or Honors Algebra 3,4 but are not yet ready for college level math.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Math requirement or Elective)

Course Number: MA.CONSI

Course Name: Consumer Math 1

Prerequisite: None

Course Description: This course is designed to meet the needs of a young adult in the realm of consumer mathematics. Major topics include budgeting, housing, banking, income tax, insurance, credit, and investments. This course is only one semester. This course will not satisfy college entrance requirements. Calculators are recommended for this course. At **Mitchell HS** this is generally for 11th and 12th grade students for credit recovery or elective credit.

Course Length: 1 semester

Period Length: 1

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Math requirement or Elective)

Course Number: MA.ESSN1, MA.ESSN2

Course Name: Math Essentials 1, 2

Prerequisite: Teacher Placement Only

Course Description: Math Essentials conforms to the latest recommendations of the National Council of Teachers of Mathematics (NCTM standards). It follows the approach of making mathematics relevant by using skills in a problem solving environment. This course is designed for students who have not demonstrated mastery of basic math skills. Topics include operations on whole numbers, integers, percents, and rational numbers. Measurement, geometry, statistics and probability with real world applications will be covered. Students may use computers, calculators, and manipulatives for course work. No credit will be given to students who have received credit for Algebra, Algebra with Computers, Integrated Algebra/Geometry, IMP or the equivalent. This course will not satisfy college entrance requirements. At **Mitchell HS** this is generally for 9th grade students who have historically struggled with math skills, in order to improve their chance of passing Algebra 1,2 the first time. Math Essentials has a co-requisite of Algebra 1,2.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Math requirement or Elective)

Course Number: MA.INTMTH1, MA.INTMTH2

Course Name: Integrated Math 1, 2

Prerequisite: Teacher/counselor recommendations required.

Course Description: This course is intended as a “bridge course” for students who have either not passed or passed first-year algebra with a “D” and who need additional algebraic preparation before enrolling in second-year algebra. This course reviews and extends students’ prior learning in topics that include: linear and quadratic functions, equations, inequalities and systems to develop basic concepts of higher-order polynomials; exponential functions and equations to develop math models; radicals and rational exponents to develop broader concepts of algebraic equivalences, functions and equations; proportional reasoning to develop geometric concepts of congruence, similarity and right-triangle trigonometric ratios; circle geometry and the Pythagorean Theorem to develop the equation of a circle and basic concepts of trigonometric functions; reasoning with probability and statistics to develop making and justifying data-based references. In this course, particular emphasis will be placed on further developing students’ skills in reading, interpreting and solving math problems given in rich contexts; deepening students’ understanding of connections between algebraic and graphical representations of functions and developing students understanding of connections between algebraic and geometric representations. At **Mitchell HS** this is generally an intervention for 10th grade students to facilitate their successful transition to Algebra 3, 4.

Course Length: 1 semester

Grade Level: 10-12 grade(s)

Credit Per Semester: One (1) Mathematics or Elective

Course Number: MA.TOPICS1, MA.TOPICS2

Course Name: Math Topics 1, 2

Prerequisite: Teacher Placement Only

Course Description: Math Topics is based on the Colorado Academic Standards for Mathematical Content and Practices. It follows the approach of making math relevant by using skills in a problem-solving, hands-on, activity-centered environment. The goals are to develop proficiency with mathematical skills, to expand understanding of mathematical concepts, and to improve logical thinking. Topics include logical thinking, sequences, functions, geometry, statistics, probability, logarithms, topology, polygons, and mathematical curves. This course will not satisfy college entrance requirements. At **Mitchell HS** this is generally for students who are new to the English language. It is intended to support students in math skills until they attain the language skills needed to be successful in a traditional math class. Students shall be placed in this class for at most 2 semesters.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Math requirement or Elective)

Physical Education / Health

Gym clothes are required for all activity classes. Only exception is Partners in PE. Students must have a swimsuit for swimming classes. Girls are encouraged to wear one piece suits. We will supply a combination lock to every student. Goggles, nose clips, and swim caps are also available for check out.

Course Number: HE.HEALTH

Course Name: Health

Prerequisite: None

Course Description: This course will influence attitudes toward health which will promote respect for the human mind and body and the factors which foster optimum healthful living. Good health shall be identified as mental, social, and physical well-being and not merely the absence of disease and infirmity. Emphasis will be placed on developing self-esteem and positive interpersonal relationships. The students will be encouraged to explore the emerging health information and develop the ability to weigh the validity of such information for application to their existing health status.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Health or Elective)

Course Number: PE.PARTNER

Course Name: Partners in Physical Education

Prerequisite: None

Course Description: This course is designed to pair "regular education" students with students with special needs in a traditional physical education class setting. Student pairs will work together to achieve state and district physical education standards.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 Physical Education

Course Number: PE.PE

Course Name: PE

Prerequisite: None

Course Description: Students who participate in quality physical education programs receive a variety of benefits including the development of: 1) a variety of motor skills and abilities related to lifetime leisure skills, 2) improved understanding of the importance of maintaining a healthy lifestyle, 3) improved understanding and appreciation of movement and the human body, 4) improved knowledge of the rules and strategies of particular games and sports, and 5) improved self-confidence and self-worth as they relate to physical education and recreation activities.

Course Length: 1 semester

Period Length: 1

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Physical Education or Elective)

Course Number: PE.SWIM1, PE.SWIM2

Course Name: Swim Level 1, 2

Prerequisite: None

Course Description: This unit will emphasize adaptation to, and respect for, the water. Focus will be on the application of buoyancy, body position, and propulsion. The elimination of fear in deep water is also a major goal.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Physical Education or Elective)

Course Number: PE.TEAMSPR

Course Name: Team Sports

Prerequisite: None

Course Description: This class will include three week units of basketball, team handball, volleyball, speed ball, flag football, soccer, lacrosse, and softball. Skills and techniques are introduced and developed while forming and developing good attitudes towards teammates, defense, officials, rules, conditions, and positions of the game in basketball, flag football, speedball, softball, soccer, and team handball.

Course Length: 1 semester

Grade Level: 10-12 grade(s)

Credit Per Semester: 1.0 (Physical Education or Elective)

Course Number: PE.WGTTRG2

Course Name: Weight Train Level 2

Prerequisite: None

Course Description: This class is an introduction to intermediate exercises including the proper use of free weights and safety precautions. Students, with help of the instructor, will set up a special program designed to meet their goals.

Course Length: semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Physical Education or Elective)

Science

[ap bio]

[env]

Course Number: SC.BIO1AP

Course Name: AP Biology 1

Prerequisites: Biology and Chemistry

Course Length: 2 Semester(s)

Grade Level(s): 9-12

Credit Per Semester: 1.0 (Science requirement or Elective)

Course Description: This class includes molecular, cellular, organism, and population biology as taught systematically at the college level. Instruction includes analysis, synthesis, and evaluation of information obtained from both print and laboratory research. The lab is used extensively, including some sophisticated instrumentation. Individual student study and extended laboratory work is encouraged. Students will have the opportunity to take the National Advanced Placement Examination near the end of the school year.

Course Number: SC.CHEM1AP, SC.CHEM2AP

Course Name: AP Chemistry 1, 2

Prerequisites: Chemistry 1, 2

Course Length: 2 Semester(s)

Grade Level(s): 11-12

Credit Per Semester: 1.0 (Science requirement or Elective)

Course Description: This is a college-level chemistry program emphasizing chemistry concepts in much greater depth than found in the College-Prep Chemistry course. College-level texts, laboratory situations, and laboratory instrumentation are used. Independent study is utilized whenever possible. Students are encouraged to take the National Advanced Placement Examination near the end of the course.

Course Number: SC.BIO1, SC.BIO2

Course Name: Biology 1, 2

Prerequisite: None

Course Description: This is a comprehensive course designed to provide students with the key biological concepts to meet state and district standards. Topics include cell structure and function, general plant and animal biology, and ecological interactions among organisms. Biology skills and processes include problem solving, critical thinking, and hands-on laboratory experiences.

Course Length: 2 semester(s)

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Science requirement or Elective)

Course Number: SC.BIO1H,2H

Course Name: Honors Biology 1, 2

Prerequisites: *Grade 9 enrollment limited to students with teacher recommendation and Advanced proficiency on the 8th grade science CSAP.

Course Length: 2 Semester(s)

Grade Level(s): 9-12

Credit Per Semester: 1.0 (Science requirement or Elective)

Course Description: Honors Biology is a science course for high school students with a strong interest in science. Instruction includes analysis, synthesis, and evaluation of information obtained from print and laboratory research. Students are expected to do independent research, plan investigations, practice self-evaluation, and give evidence of applying knowledge outside the classroom. This course is a comprehensive course designed to provide students with the key biological concepts to meet state and district standards.

Course Number: SC.ENVR1,2

Course Name: Environmental Science 1,2

Prerequisites: none

Course Length: 2 Semester(s)

Grade Level(s): 9-12

Credit Per Semester: 1.0 (Science requirement or Elective)

Course Description: Environmental Science is a systematic study of living systems with emphasis on interaction of the living systems with the natural environments. It teaches students to view the environment as an integral part of their lives and community. This is an issues-oriented environmental studies course that investigates and analyzes community problems and uses knowledge and processes of science to suggest options for the solutions of these problems. This course emphasizes problem solving, decision making, and hands-on learning. Add on topics include Earth and Space state standards.

Course Number: SC.GNCHEM1, SC.GNCHEM2

Course Name: General Chem 1, 2

Prerequisite: 10th grade or higher

Course Description: This is a quantitative and analytical study of matter. Elements, compounds and their interactions are explored through laboratory investigations. Possible topics include chemical bonds, the mole concept, energy, states of matter, the Periodic Law, acids, bases, electrochemistry and organic chemistry. This course can also be a

Course Length: 2 semester(s)

Grade Level: 10-12 grade(s)

Credit Per Semester: 1.0 (Science requirement or Elective)

Course Number: SC.PES1, SC.PES2

Course Name: Phys Science/Earth/Space 1, 2

Prerequisite: None

Course Description: This course will provide the foundation for the basic concepts of physical science to include heat and thermodynamics, electricity and magnetism, light and sound, mechanics of motions, bonding of chemical molecules, atomic structure, and conservation of mass and energy. In the areas of earth and space sciences, the basic concepts of geologic time, stars and galaxies, rock and minerals will be covered or the focus may shift towards mechanical physics.

Course Length: 2 semester(s)

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Science requirement or Elective)

Course Number: SC.PHY1, SC.PHY2

Course Name: Physics 1, 2

Prerequisite: Algebra 3, 4 completed or concurrent. Recommended successful completion of 2 years of science.

Course Description: Physics is the study of motion, forces, energy, light, sound, electricity, and magnetism. Students will be expected to demonstrate a command of science process skills. They will solve problems by observing demonstrations, conducting experiments, and applying math procedures and skills. Physics has applications in many fields including athletics, engineering and technology, liberal arts, and medicine and health.

Course Length: 2 semester(s)

Grade Level: 11-12 grade(s)

Credit Per Semester: 1.0 (Science requirement or Elective)

Course Number: SC.PHY1H, SC.PHY2H

Course Name: Physics 1, 2 Honors

Prerequisite: Algebra 3, 4 completed or concurrent. Recommended successful completion of 2 years of science.

Course Description: Honors Physics is the study of motion, forces, energy, light, sound, electricity, and magnetism. Students will be expected to demonstrate a command of science process skills. They will solve problems by observing demonstrations, conducting experiments, and applying math procedures and skills. Physics has applications in many fields including athletics, engineering and technology, liberal arts, and medicine and health. This honors course deals with the content and objectives in greater depth and complexity. Higher reasoning skills are needed, more out-of-class work is expected, and independent study skills are utilized.

Course Length: 2 semester(s)
Grade Level: 11-12 grade(s)
Credit Per Semester: 1.0 (Science requirement or Elective)

Social Studies

Course Number: SS.ETHNIC
Course Name: Ethnic Studies
Prerequisites: None
Course Length: 1 Semester
Grade Level(s): 10-12
Credit Per Semester: 1.0 (Social Studies, Humanities or Elective)
Course Description: The background and contributions of minority groups within the United States are explored through an historical and chronological approach.

Course Number: SS.MACROAP, SS.MACROA2
Course Name: Macro Econ AP 1, 2
Prerequisites: Teacher/counselor recommendation
Course Length: 1 Semester
Grade Level(s): 11-12
Credit Per Semester: 1.0 (Fulfills Economics requirement, Social Studies, Humanities or Elective)
Course Description: Students will undergo a rigorous study of the principles of economics that apply to an economic system as a whole in preparation for National Advanced Placement Examination in May. A successful performance on this examination normally leads to advanced placement in college courses and/or college credits.

Course Number: SS.CNCRLAW
Course Name: Constitutional & Criminal Law
Prerequisite: None
Course Description: This course is designed to explore the constitutional foundations and structure of federal and state legal systems. Key concepts include the first ten amendments and individual rights, law enforcement, judicial systems, civil and criminal law, balancing rights with responsibilities, and the criminal court process.
Course Length: 1 semester
Grade Level: 10-12 grade(s)
Credit Per Semester: 1.0 (Social Studies or Elective)

Course Number: SS.PRNECON
Course Name: Principles of Economics
Prerequisite: None
Course Description: This course includes the basic concepts of economic theory and their application to national, state, and local issues. Topics include the basic concepts of economics, micro-economic issues, macro-economic issues, and international economic issues. Emphasis will be placed on economic literacy to prepare students for college studies.
Course Length: 1 semester
Grade Level: 11- 12 grade(s)
Credit Per Semester: 1.0 (Fulfills Economics requirement)

Course Number: SS.PSY
Course Name: Psychology
Prerequisite: None
Course Description: **Psychology** is the study of individual human behavior and mental processes. This introductory course focuses on the nature of behavioral science, methods of scientific study, intelligence, personality, learning, consciousness, stress, adjustment and abnormal behavior.
Course Length: 1 semester

Grade Level: 11-12 grade(s)

Credit Per Semester: 1.0 (Social Studies, Humanities or Elective)

Course Number: SS.SOCIO

Course Name: Sociology

Prerequisite: None

Course Description: Sociology is the study of group behavior, society, and the social order. This course includes an examination of the differences in societal behavior, social class systems, minority groups, poverty, prejudices, and current social movements.

Course Length: 1 semester

Grade Level: 11-12 grade(s)

Credit Per Semester: 1.0 (Social Studies, Humanities or Elective)

Course Number: SS.USGOV

Course Name: United States Government

Prerequisite: None

Course Description: The opportunity for most United States citizens to acquire the knowledge and dispositions essential for informed effective citizenship is during their school years. Therefore, United States Government is designed to enhance responsible and informed participation in civic life. This course will incorporate the Colorado Civics content standards, and key themes will include the purpose of government and heritage of United States government, comparative governments, the Constitution as a living document, political parties, citizenship rights and responsibilities, states and local government, and government relations to world affairs.

Course Length: 1 semester

Grade Level: 11-12 grade(s)

Credit Per Semester: 1.0 (Social Studies (fulfills U.S. Government requirement), Humanities, Elective)

Course Number: SS.USHST3, SS.USHST4

Course Name: US History: Reconst - Present 3, 4

Prerequisite: None

Course Description: The survey course emphasizes major developments in the history and heritage of the nation during the later half of the 19th century, the 20th century and the beginnings of the 21st century. Standards in history and geography are emphasized as well as an understanding of how past events relate to current events.

Course Length: 1 semester

Grade Level: 9-10 grade(s)

Credit Per Semester: 1.0 (Social Studies, Humanities or Elective) Fulfills American History requirement.

Course Number: SS.WDHST1, SS.WDHST2

Course Name: Pre-AP World History and Geography

Prerequisite: None

Course Description: In Pre-AP Geography and World History, students leverage the practices of evaluating evidence, incorporating evidence, and explaining historical and geographic relationships while engaging with content. Course content moves from geography and world regions to developments in world history from c.1450 CE to the present, spanning the Early Modern Period, Modern Period, and Contemporary Period

Course Length: 1 semester

Grade Level: 9-9 grade(s)

Credit Per Semester: 1.0 (Social Studies, Humanities, or Elective)

World Languages

Course Number: FL.SPA1, FL.SPA2

Course Name: Spanish 1, 2

Prerequisite: None

Course Description: This course develops the language skills of listening, speaking, reading, and writing. Through a

variety of enrichment activities and a basic text, the student learns to communicate in the language and to appreciate the culture of the Spanish-speaking world.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Course Number: FL.SPA3, FL.SPA4

Course Name: Spanish 3, 4

Prerequisite: Spanish 1, 2

Course Description: This course broadens the knowledge and reinforces the language skills introduced in Spanish 1, 2. The student takes part in lessons designed to make the study of Spanish interesting and practical and develops a deeper appreciation of the Spanish language through a year-long series of cultural experiences.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Course Number: FL.SPSP1, FL.SPSP2

Course Name: Spanish Proficiency 1, 2

Prerequisite: Foreign Language or English Second Language teacher recommendation

Course Description: This course is intended for the native or fluent Spanish speaker who would like to maintain or strengthen her/his reading, writing and oral communication skills. Through reading a variety of texts, students will gain an appreciation for Hispanic literature, while celebrating the Spanish heritage. Lastly, this course will prepare students to participate in a global economy that requires fluency in more than one language.

Course Length: 1 semester

Period Length: 1

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Humanities or Elective)

Area Vocational Program

AREA VOCATIONAL PROGRAM (A.V.P.) PIKES PEAK COMMUNITY

Grade Level: 11-12

Credit per Semester: 3.0

Course Length: 2 Semesters

Prerequisite: **Counselor and AVP Coordinator recommendation**

Pikes Peak Community College, in cooperation with School District 11, is offering additional courses to a limited number of students:

Auto Collision Repair

Automotive Service Technology

CISCO Networking Program

Computer Applications Specialist

Computer Aided Drafting

Criminal Justice Administration

Culinary Arts

Radio and Television Production

Multimedia Graphic Design Program

Welding

Zoo Keeping

Diesel Power Technology

Early Childhood Education

Fire Science Technology

Med Prep Careers

Natural Resource Technology

Sign Language

Student Organization and Academic Support

Student Government and Activities

The Student Organization offers experiences for the student that both supplement and enrich the educational program. The program provides many opportunities for specialization in areas of the curriculum that are of particular interest to the student. The Student Organization program is designed to develop desirable attitudes in situations providing opportunity for individual, small-group, and entire school participation. With faculty and administrative guidance, students share responsibility for selecting, organizing, implementing, and evaluating a wide range of activities. The Mitchell Student Organization is generally divided into an Executive branch and a Legislative branch. The Executive Branch is called the Cabinet and is composed of 10 officers. The offices of the Cabinet are the President of the Student Body, Vice-President/Records, Social/Publicity, Treasurer, Relations, Assemblies, Communications, Senior Class President, and ESA (Assistant to the advisor).

Many of the officers on the Cabinet head committees composed of students who volunteer their help in implementing various activities. These activities include school dances, assemblies, announcements, poster making, fundraisers, and student relations. Membership on these committees is part of the classroom grade. Eligibility is determined through an application process and mirrors that of sports under CHSAA rules. Grades are a priority as these students are the leadership of our school. This is an excellent way of getting involved in school activities.

Course Number: ME.COUN1, ME.COUN2

Course Name: Council 1, 2

Prerequisite: None

Course Description: All legislative powers exercised by the Student Organization are vested in the student council, which consists of representatives from each class.

Course Length: 1 semester

Grade Level: 9-12 grade(s)

Credit Per Semester: 1.0 (Elective credit)

Course Number: ME.SKILLS1, ME.SKILLS2

Course Name: Study Skills 1, 2

Prerequisites:

Course Length: 1 Semester

Grade Level(s): 9-12

Credit Per Semester: 1 Elective credit

Course Description: This class is designed primarily for 9th and 10th students but is open to other students needing help with their learning strategies. It will provide them with valuable skills that prepare students for high school study and beyond. Language Arts and Math will be emphasized, but the skills are applicable in many subject areas. Students will identify their learning style; will learn how to study according to their learning style; will acquire time-management skills; will learn and understand formulae; will study estimation; will develop skills for listening, note-taking, problem-solving, vocabulary enhancement, reading improvement, memory enhancement, and writing. Test-taking strategies will be taught. This is an interactive course where students will have daily practice and discussions in an effort to improve their classroom performance, homework accomplishment, and test-taking success.