

***PALISADE HIGH  
SCHOOL  
2016-2017***



***COURSE GUIDE***

# Palisade High School

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## Welcome to High School – Preparing You for Your FUTURE One Diploma – Multiple Pathways to Achieve It

Mesa County Valley School District 51 believes that each student is unique and may have different learning needs. In response, the district has developed a system to support and monitor student progress along the way. The system provides a variety of options for students to learn, demonstrate what they know, and meet the graduation requirements.

**Mesa County Valley School District 51 is committed to high expectations for all students. We expect each student to complete 25 standards-based credits with a 2.0 GPA or higher AND demonstrate a proficient level as defined by No Child Left Behind (NCLB), on 9<sup>th</sup> and 10<sup>th</sup> grade CSAP in math, reading, and writing. This is the most conventional pathway to graduation.**

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

### **Conventional Pathway:**

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

- Complete 25 required standards-based credits\* **AND**
- Maintain a 2.0 GPA or higher, **AND**
- Demonstrate a “proficient” level, as defined by No Child Left Behind, on 9th and 10th grade CSAP in math, reading and writing. **OR**
  - The student will participate in prescribed interventions in their targeted area(s) of deficiency, **AND**
  - Demonstrate “proficient” or above on NWEA Map Test **OR**
  - Demonstrate proficiency on ACT (Composite 17\*\*\* or above) or other std. assessment, **OR**
  - Demonstrate proficiency through an alternative proficiency assessment (APA).

### **Pathway of Distinction: \*\***

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

- Complete 25 required standards-based credits\* **AND**
- Maintain a 3.5 GPA or higher, **AND**
- Demonstrate an “advanced” level on 9th and 10th grade CSAP in all tested areas, **OR**
  - Demonstrate “advanced” performance on the NWEA Map Test, **OR**
  - Demonstrate a composite score of 22\*\*\* or above on ACT, **OR**
  - Complete an alternative proficiency assessment (APA) during the junior or senior year.

### **Individualized Pathway:**

This pathway allows for adaptation and can be utilized for:

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

\* 25 Required Credits for District 51 Graduation are listed on the back of this document.

\*\* A student must meet all requirements for “Pathway of Distinction” by end of 3<sup>rd</sup> quarter of senior year to be recognized in the graduation program.

\*\*\* ACT scores are subject to change, as ACT tests are re-normed .



## District 51 High School Graduation Requirements *and* Higher Education (Colorado College) Admission Requirements H.E.A.R.

Students and families: The following information lists the requirements:

- To graduate within Mesa County Valley School District 51 (first box below)  
AND
- The minimum four-year public college or university entrance requirements for Colorado colleges. (second box below):

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

- 4.0 Credits - Language Arts
  - 3.0 Credits - Social Studies
  - 3.0 Credits - Science
  - 3.0 Credits - Mathematics (\*4.0 credits must include Alg. I, Geometry, and Alg. II or Math 1, 2, & 3 for four-year CO. public colleges)
  - 0.5 Credits - Physical Education (0.5 credits in PE must be outside of Personal Fitness & Wellness listed below)
  - 0.5 Credits - Personal Fitness and Wellness (This PE course is in addition to the 0.5 credits PE requirement listed above)
  - 0.5 Credits - Computer / Technology Literacy (Computer Applications or approved equivalent entry-level class meet this req.)
  - 0.5 Credits - Fine Arts (Instrumental Music, Performing Arts, Visual Arts or Humanities meet this requirement)
  - 10.0 Credits - General Electives (\*\*Must include 2 credits in Acad. Electives with 1 credit in World Language for four-year Colo. public colleges)
- 25 Credits ## (Total)**

**## Note:** Within the 25 credits listed above, a student must meet the **Financial Literacy** requirement by obtaining 0.5 credits in one of the following: Personal Finance, Economics, AP Economics, or Life Management.

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

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

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

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

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

\*\*\* Additional information about specific courses meeting these graduation requirements available in the counseling office.

# GUIDANCE & COUNSELING SERVICES

## GUIDANCE & COUNSELING SERVICES

Students may see any counselor on the staff regarding personal issues. For the purposes of educational decisions, registration, and general guidance activities, students are to see their assigned counselor. Except for unusual circumstances, students should see their counselor before or after school, between classes, or at lunch. Counselors cannot see students during class unless a teacher has sent the student or the counselor sends for the student. Students may request an appointment by filling out a slip in the counseling office.

***P.A.C.K. System ID Badges*** - \*School I.D.s – the first one is free. A 2nd school I.D. is \$5. You may purchase a replacement badge in the counseling office.

## Individualized Career and College Plan (ICAP)

Mesa County Valley School District has a comprehensive guidance curriculum to support each student's ICAP. All four years of each student's ICAP work is recorded in Naviance Family Connection: our web-based planning tool and student portfolio. Our topics and activities for each grade level are:

### **The 9<sup>th</sup> Grade Counseling Curriculum... “Exploring Me”**

- Classroom lesson on graduation/college-entrance requirements
- Creation of Naviance account
- Completion of the *Cluster Finder Survey* in Naviance
- Addition of favorite career clusters from *Cluster Finder* results and/or Naviance data-base
- Creation of postsecondary goal, and tasks/steps required each year of high school to meet goal

### **The 10<sup>th</sup> Grade Counseling Curriculum... “Exploring Careers”**

- Complete *Graduation Plan* for favorite career cluster in Naviance Course Planner
- Take *Do What You Are* assessment in Naviance
- Update postsecondary goal and add at least two “steps” to achieve goal
- Add careers to favorites
- Use College Finder to explore colleges that meet postsecondary goal (student can also find colleges by exploring by career, related majors, colleges with those majors)

### **The 11<sup>th</sup> Grade Counseling Curriculum... “Exploring the Post-Secondary World”**

- Classroom presentation – planning ahead to meet your post-secondary goal, importance of ACT preparation, graduation requirements, college admissions info
- Update goal if needed, add more tasks/steps
- In Composition 11, student will complete a career/post-secondary research project and present to class, and create a college entrance essay or letter to employer
- Complete a “college experience” by taking a tour of a campus, meeting with an admissions rep, or doing a virtual tour online, and then complete survey on Naviance

### **The 12<sup>th</sup> Grade Counseling Curriculum... “Get it Done!”**

- Senior Seminar meetings – what to do to get the most out of your senior year, senior timeline, how to find info on college admissions, scholarships, & financial aid, how to request transcripts & letters of recommendation
- Free App Week in October – may be tied to Senior Work Day.
- Update goal, add/adjust tasks for the year
- Senior Work Day – seniors work on college applications, meet with military personnel, or practice job interview skills with Workforce Center rep
- Unified Financial Aid Night – presentation in January on FAFSA, scholarships, & career pathways
- Followed up by Financial Aid Nights at individual high schools, college reps help our students/parents fill out FAFSA

Counselors strive to provide students with up-to-date occupational and career information. Students should understand that the courses they select often have significant bearing on the options open to them in the future. We encourage students to use the free **Naviance Family Connection** website to help search for careers that interest them. You can find the link to Naviance on the PHS homepage:

<http://phs.mesa.k12.co.us/>.

### **COLLEGE GUIDANCE**

The Palisade High School College Guidance Program is structured to provide students with strategies for success both in high school and college. Students are encouraged to choose high school courses and curriculum with their post high school training and/or career goals in mind. To assist students and parents in this exploration, we offer Naviance Family Connection. Naviance provides help searching for careers, majors, colleges, tech schools and scholarships. Counselors also meet with classrooms and small groups regarding high school and college planning/admissions, test interpretation and preparation, financial aid, as well as early career experiences offered at PHS. Many colleges send admission representatives to visit the high school each year. Students and parents are urged to take advantage of these visitations and other informational programs. Please listen to PHS daily announcements, check Parent Bridge, read the newsletter, and visit Naviance Family Connection on the PHS home page: <http://phs.mesa.k12.co.us/> for the latest information.

### **FULL TIME STATUS**

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

In order for the school district to maintain adequate funding, all students must obtain “Full-Time Status.” Full-Time Status is defined as follows: enrollment in classes a minimum of 6 out of 8 split blocks for fall semester or 3 out of 4 blocks per quarter for the fall semester. Due to travel time, a student enrolled in off campus programs (such as: Career Center, Western Colorado Community College, or Concurrent) must work with their counselor to ensure they have obtained “Full-Time Status”.

### **SCHEDULE CHANGE/CLASS ADD-DROP\*\*\***

Students will have the opportunity to make adjustments to their schedules three times a year, before the start of the 1<sup>st</sup> quarter, 2<sup>nd</sup> quarter, and 3<sup>rd</sup> quarter. Once the current term has begun, schedule changes will only be considered in extreme circumstances. For those rare situations when classes are changed, the following policy applies:

- Students have the first six (6) days of a term in which to drop a class without it being recorded on their transcript. This applies to both block and split block classes.
- Classes dropped after the 6<sup>th</sup> day will be recorded on the transcript as either a WP (Withdrawal Pass) if they have a passing grade at the time of the drop, or a WF (Withdraw Fail) if the student has a failing grade at the time of the drop. The final day for a student to drop a class without the penalty of receiving a WF will be at the time mid-term grades are available (approximately 4.5 weeks on the block; 9 weeks on the split block). After midterms, all drops will be recorded as a WF, regardless of the grade the student has in the class at the time of the drop. Remember that a WF impacts a student’s GPA in the same manner as an F.

- Students are required to make changes to their scheduled BEFORE the new term begins. In exceptional circumstances, like transferring between schools, Students may add a class during the first six (6) days of a term. They are responsible for all work presented and completed prior to their enrollment in the class.
- Students who wish to enroll in a class after the first six (6) days of a term may do so for the next ten (10) days on an audit basis. However, it will be left to the teacher’s discretion to determine what assignments and competencies need to be demonstrated in order for credit to be awarded. No credit will be awarded to a student who enrolls in a class after the sixteenth (16) day of the term.

### **SENDING TRANSCRIPTS TO COLLEGES AND UNIVERSITIES**

Transcripts will be mailed or electronically transmitted to colleges and universities throughout the school year at the electronic request of the parent or student. This service is available on Naviance Family Connection in the College tab; look for “transcripts.” Students and Parents can also request a hard copy for their use from the counseling office secretaries.

### **201-2017 NATIONAL COLLEGE ADMISSIONS TEST SCHEDULE**

Students must register and pay fees one month in advance of the test date. Registration materials are in the Counseling Center or online at: [www.ACTstudent.org](http://www.ACTstudent.org) for the ACT and [www.collegeboard.com](http://www.collegeboard.com) for the SAT.

#### **ACT Test Dates**

June 11, 2016  
 September 10, 2016  
 October 22, 2016  
 December 10, 2016  
 February 11, 2017  
 April 8, 2017  
 June 10, 2017

#### **\*SAT Test Dates**

June 4, 2016  
 October 1, 2016  
 November 5, 2016  
 December 3, 2016  
 January 28, 2017  
 March 11, 2017  
 May 6, 2017  
 June 3, 2017

**\*All Juniors will take the state mandated SAT during a non-national test date in April, administered at PHS.**



### **GRADE POINT AVERAGES (GPA)**

Grades become a matter of permanent record and are used in computing cumulative Grade Point Average (GPA). Credit is given ONLY at the end of a class. Grades given on the report cards evaluate performance in this manner:

- A = 90% - 100%
- B = 80% - 89%
- C = 70% - 79%
- D = 60% - 69%
- F = 60%
- I = Incomplete\*

\* This incomplete grade must be changed to a letter grade within two weeks of grades posting, or it will become an F.

GPA is composed on a basis of A = 4, B = 3, C = 2, D = 1, F = 0. Students who complete an Advanced Placement/International Baccalaureate course will have a weighted GPA with A=5, B=4, and C=3.

Credits are generally issued in .5 increments. Exceptions to this apply to aide positions and courses taken at WCCC, Career Center, and/or Valley School.

### **EARNING CREDITS IN SCHOOL DISTRICT 51**

1. Credit is granted at the end of each term.
2. Students failing or unsuccessfully completing a required course for ½ unit of credit will have to make up the failed requirement.
3. A limited number of additional credits may be earned by making arrangements in advance through the Counseling office. Credits may be earned in the following manner:
  - a. Correspondence courses
  - b. District 51 On-line
  - c. District 51 Summer schools
  - d. Prior arrangements may be made for students to earn college credits and high school credits concurrently while enrolled in a high school program.

### **DEFINITIONS**

1. The school year consists of 4 terms, which are 9 weeks each in length.
2. A predetermined amount of credit is received at the end of each successfully completed course.
3. Academic courses are generally considered to be courses in the areas of English Language Arts, Mathematics, Science, Social Studies, World Languages, and Computer Science.
4. A prerequisite is a course that must be successfully completed before taking certain other courses. For instance, Spanish I is a prerequisite to Spanish II, because a student may not take Spanish II before he/she has successfully completed Spanish I.
5. Required courses are classes a student must take in order to meet graduation requirements.
6. Elective courses are courses that a student may choose in accordance with his/her interests, aptitudes, and future plans.
7. Credits at Palisade High School are awarded based on Carnegie units.

### **GRADE IMPROVEMENT/REPLACEMENT**

When a student chooses to repeat a class that he/she **failed** (including WF), the previous grade will be replaced with a designation of “NG” for no grade.

When a student chooses to repeat a class that he/she **passed**, the previous grade may be replaced with a designation of “NG” for no grade, once the class is completed and the Drop-Credit form is signed.

\*By taking this option, only the second grade will be used for the credit and GPA. This option will positively affect the GPA, but will not increase the total number of credits.

When a student chooses to repeat a class that he/she **passed**, the previous grade may remain as an elective credit while the new grade will be used to fulfill the original requirement.

\* By taking this option, both grades will count towards credit and both grades will count towards the GPA.

### **MIDDLE SCHOOL OPTIONS: MATH 1, AND GEOPHYSICAL SCIENCE**

Students may receive one high school credit (1.0) for each class (Algebra 1, Geometry, and/or Geophysical Science) taken at middle school with the following conditions:

1. A student in high school **cannot** use their middle school grade as a replacement grade.
2. Credit must be received from within a District 51 school or with a transcript from outside the district accompanied with a letter stating the criteria of the middle school course(s) taken.
3. Students participating in sports at a NCAA College will not be allowed to utilize high school credits earned while in middle school; only credits earned while in high school (9-12) will be accepted.

Parents must request their child’s middle school principal relay credit information to be placed on the student’s high school transcripts. Parents will utilize the “Request for High School Credit” form which can be obtained in the PHS Counseling Office. This form will allow parents and students to choose from the following three options:

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

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

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

**March 1st of the student’s junior year** (one year prior to graduation) will be the last date that a student may add or remove a middle school credit on his/her high school transcript.

## NCAA – NATIONAL COLLEGIATE ATHLETIC ASSOCIATION

If you are interested in playing college athletics at the Division I or II level, you must complete the NCAA Initial-Eligibility Clearinghouse Form, available online at [http://web1.ncaa.org/ECWR2/NCAA\\_EMS/NCAA.jsp](http://web1.ncaa.org/ECWR2/NCAA_EMS/NCAA.jsp). (Type Ctrl and click on link to access this website) The NCAA will evaluate your academic credits and grades, ensuring you are academically eligible to participate in college athletics. **NCAA requirements are more intense than PHS graduation requirements, so make sure you're taking necessary coursework. See Mr. Hawkins in the Athletic Office for assistance with Clearinghouse applications.**

**To fulfill NCAA eligibility, a student must meet the following requirements:**

- 16 Core Academic credits (see Course Offerings page 32)
- A minimum GPA of a 2.3 (Division I)
- A sum of scores of at least 75 on the ACT **OR** a combined score of at least 900 on the SAT from a national test administration (Division I). **OR**
- 16 Core Academic credits (see Course Offerings page 32)
- A minimum GPA of a 2.2 (Division II)
- A sum of scores of at least 70 on the ACT **OR** a combined score of at least 840 on the SAT from a national test administration (Division II).

To determine which PHS courses are approved for NCAA eligibility, go to <https://web1.ncaa.org/hsportal/exec/hsAction> (Type Ctrl and click on link to access this website) and enter the PHS code number **061140**.

The NCAA Clearinghouse website includes an Eligibility Quick Reference Sheet that will give you a general idea of your standing. Because of recent changes in eligibility rules, we highly recommend you speak with Mr. Hawkins or Mrs. Bolton to ensure you are taking appropriate core courses and are achieving at the necessary level.

The NCAA website, [http://web1.ncaa.org/ECWR2/NCAA\\_EMS/NCAA.jsp](http://web1.ncaa.org/ECWR2/NCAA_EMS/NCAA.jsp), offers a listing of colleges and universities that offer specific sports by division.

Click on “NCAA College-Bound Student-Athletes”

Click on “Sports” and then search by specific sports

We encourage students who are interested in participating in college athletics to not only welcome recruiting from coaches, but to contact the coaches at the individual schools in which they are interested. Students should send all pertinent information about their athletic abilities, including a letter of interest, a resume which outlines times or positions played, honors and awards, and a video (if appropriate). Talking with your PHS coach about your potential is also very necessary. You may want to ask your coaches to send videos and/or to contact coaches on your behalf. Don't procrastinate registering with NCAA.

## POST SECONDARY OPPORTUNITIES

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

- **Advanced Placement (AP)** Program offered at all District 51 high schools.
- **International Baccalaureate (IB)** Program at PHS, open to all students across the district.
- **Concurrent** Program offered at all District 51 high schools through Colorado Mesa University (CMU) required by House Bill 1319. Students may take courses at CMU as long as they have completed all courses in that subject area at their local high school, and the CMU course supports their ICAP. Students also must have at least a 3.0 GPA and a college-ready ACT or Accuplacer score. See your counselor for more details.
- **High School Scholars** Program provides students college credit through CMU while remaining on their high school campus. In 2015-2016 PHS will offer BIO 209, MATH 090, MATH 113

## ADVANCED PLACEMENT

AP classes can save students both time and money. AP classes can also give students a lead in the application pool in some of today's highly selective colleges and universities. At the end of an AP class, students can choose to pay for and take the AP Exam which is administered across the country in May. If a student does well on the exam, he/she has a chance to earn college credit, which will save a student money for tuition fees and potentially shorten his/her college career. In addition, many studies have indicated that students who take AP courses typically perform better in college and graduate from college at a higher percentage rate. AP classes are designed to prepare you for college courses.

**The following AP courses are offered yearly or bi-yearly:**

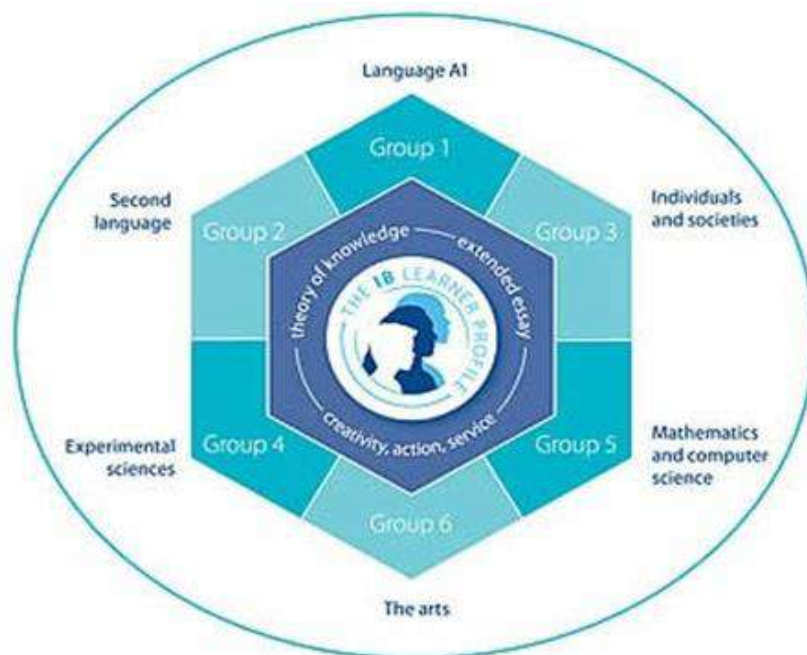
AP United States History	AP United States Government	AP Psychology
AP Human Geography	AP Environmental Science	
AP English Literature (comp 12)	AP English Language (comp 11)	AP Statistics
AP Spanish Language	AP Calculus AB	AP Calculus BC

## THE INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME (IB)

**What is the IB Programme?**

The International Baccalaureate (IB) program was founded in 1967 to provide a rigorous, well rounded education for students throughout the world, enabling them to qualify for university study no matter where they had pursued their high school education. The program is a rigorous pre university course of study that meets the needs of highly motivated secondary school students. IB prepares students for adulthood by enhancing skills in creativity, critical thinking, technology, and international understanding. Students who graduate from the IB program are well prepared for college course work. The IB Diploma Programme is offered during grades 11 and 12, with students completing pre-IB course work in grades 9 and 10.

## IB CURRICULUM



## Career Clusters

Students are encouraged to plan their high school courses based on career areas of interest, or career clusters. Using the “Course Planner” tab in Naviance Family Connections allows students to purposely schedule classes that support their career goals. The following pages show the career clusters recognized through the Colorado Career and Technical Education (CTE) office, and are the basis for the career-cluster graduation plans available in Naviance.

For further information on your Career Cluster, see the following website:

[http://www.coloradostateplan.com/default\\_cluster.htm](http://www.coloradostateplan.com/default_cluster.htm)



## HEALTH SCIENCES & PUBLIC SAFETY

Plan for your future! As you complete your four years at Palisade High School, make school relevant. Complete all of your required course work for graduation. If you plan on attending college, make sure you meet the college entrance requirements by earning an additional credit in math, one credit in a foreign language, and two credits of academic electives. Also, take electives that will directly help prepare you for the career of your choice!

### ❖ MCVSD #51 Graduation Requirements

<b>Language Arts</b>	<b>4 Credits</b>
<b>Science</b>	<b>3 Credits</b>
<b>Math</b>	<b>3 Credits</b>
<b>Social Studies</b>	<b>3 Credits</b>
<b>PE/Personal Fitness</b>	<b>1 Credit</b>
<b>Computers</b>	<b>.5 Credit</b>
<b>Fine Arts</b>	<b>.5 Credit</b>
<b>Electives*</b>	<b><u>10 Credits</u></b>
	<b>25 Total Credits</b>

\*Must meet the financial literacy requirement as one of your electives by taking Personal Finance, Economics, or Life Management.

### ❖ Colorado Four-Year College Requirements

<b>Math</b>	<b>4 Credits (including Alg 1, Alg 2, Geom. or Math 1, Math 2, Math 3)</b>
<b>Foreign Language</b>	<b>1 Credit</b>
<b>Academic Electives</b>	<b>2 Credits</b>

*See page 2 for more specifics*

### ❖ NCAA Requirements

*See page 7 for more specifics*

### Suggested Electives for **Health Sciences & Public Safety**

- ✓ **Anatomy & Physiology or MSC BIO 209 & 209L (see page 10)**
- ✓ **Personal Fitness & Wellness**
- ✓ **Child & Adolescent Development**
- ✓ **Law Related Ed**
- ✓ **Psychology**
- ✓ **Food Science I**
- ✓ **Food Science II**
- ✓ **Life Management**
- ✓ **Medical Preparation - WCCC**

*\*\*Suggested electives are not always offered each year at PHS, please check with your counselor if you have questions.*

## AGRICULTURE, FOOD, & NATURAL RESOURCES

Plan for your future! As you complete your four years at Palisade High School, make school relevant. Complete all of your required course work for graduation. If you plan on attending college, make sure you meet the college entrance requirements by earning an additional credit in math, one credit in a foreign language, and two credits of academic electives. Also, take electives that will directly help prepare you for the career of your choice!

### ❖ MCVSD #51 Graduation Requirements

<b>Language Arts</b>	<b>4 Credits</b>
<b>Science</b>	<b>3 Credits</b>
<b>Math</b>	<b>3 Credits</b>
<b>Social Studies</b>	<b>3 Credits</b>
<b>PE/Personal Fitness</b>	<b>1 Credit</b>
<b>Computers</b>	<b>.5 Credit</b>
<b>Fine Arts</b>	<b>.5 Credit</b>
<b>Electives*</b>	<b>10 Credits</b>
	<b>25 Total Credits</b>

\*Must meet the financial literacy requirement as one of your electives by taking Personal Finance, Economics, or Life Management.

### ❖ Colorado Four-Year College Requirements

<b>Math</b>	<b>4 Credits (including Alg 1, Alg 2, Geom. or Math 1, Math 2, Math 3)</b>
<b>Foreign Language</b>	<b>1 Credit</b>
<b>Academic Electives</b>	<b>2 Credits</b>

*See page 2 for more specifics*

### ❖ NCAA Requirements

*See page 7 for more specifics*

## Suggested Electives for Agriculture, Food, & Natural Resources

- |                            |  |
|----------------------------|--|
| ✓ Geophysical Science      | ✓ Botany                                 |
| ✓ Astronomy                | ✓ Zoology                                |
| ✓ Environmental Science    | ✓ Fitness & Wellness                     |
| ✓ River Dynamics           | ✓ Business Finance                       |
| ✓ Food Science I           | ✓ Business Exploration                   |
| ✓ Food Science II          | ✓ Business Management                    |
| ✓ Chemistry                | ✓ Accounting I                           |
| ✓ Physics                  | ✓ Business Management & Entrepreneurship |
| ✓ Geology                  |  |
| ✓ AP Environmental Science |  |
| ✓ Anatomy & Physiology     |  |

\*\*Suggested electives are not always offered each year at PHS, please check with your counselor if you have questions.



## STEM, ARTS, DESIGN & INFORMATION TECHNOLOGY

Plan for your future! As you complete your four years at Palisade High School, make school relevant. Complete all of your required course work for graduation. If you plan on attending college, make sure you meet the college entrance requirements by earning an additional credit in math, one credit in a foreign language, and two credits of academic electives. Also, take electives that will directly help prepare you for the career of your choice!

### ❖ MCVSD #51 Graduation Requirements

<b>Language Arts</b>	<b>4 Credits</b>
<b>Science</b>	<b>3 Credits</b>
<b>Math</b>	<b>3 Credits</b>
<b>Social Studies</b>	<b>3 Credits</b>
<b>PE/Personal Fitness</b>	<b>1 Credit</b>
<b>Computers</b>	<b>.5 Credit</b>
<b>Fine Arts</b>	<b>.5 Credit</b>
<b>Electives*</b>	<b>10 Credits</b>
	<b>25 Total Credits</b>

\*Must meet the financial literacy requirement as one of your electives by taking Personal Finance, Economics, or Life Management.

### ❖ Colorado Four-Year College Requirements

<b>Math</b>	<b>4 Credits (including Alg 1, Alg 2, Geom. or Math 1, Math 2, Math 3)</b>
<b>Foreign Language</b>	<b>1 Credit</b>
<b>Academic Electives</b>	<b>2 Credits</b>

*See page 2 for more specifics*

### ❖ NCAA Requirements

*See page 7 for more specifics*

## Suggested Electives for STEM, Arts, Design & Information Technology

- |                    |                                 |
|--------------------|---------------------------------|
| ✓ Physics          | ✓ Yearbook                      |
| ✓ Art I & Art II   | ✓ Creative Writing              |
| ✓ 3-D Design       | ✓ Journalism                    |
| ✓ Drawing/Painting | ✓ Business Communications       |
| ✓ Printmaking      | ✓ Web Design                    |
| ✓ Draw & Paint II  | ✓ Tech Math I – WCCC            |
| ✓ IB Art           | ✓ Animation Tech – WCCC         |
| ✓ IB Theater       | ✓ Computer-Aided Design – WCCC  |
| ✓ Theater Arts     | ✓ Media Tech – WCCC             |
| ✓ Play Production  | ✓ Technology Integration – WCCC |

\*\*Suggested electives are not always offered each year at PHS, please check with your counselor if you have questions.

## **BUSINESS & PUBLIC ADMINISTRATION**

Plan for your future! As you complete your four years at Palisade High School, make school relevant. Complete all of your required course work for graduation. If you plan on attending college, make sure you meet the college entrance requirements by earning an additional credit in math, one credit in a foreign language, and two credits of academic electives. Also, take electives that will directly help prepare you for the career of your choice!

### ❖ **MCVSD #51 Graduation Requirements**

<b>Language Arts</b>	<b>4 Credits</b>
<b>Science</b>	<b>3 Credits</b>
<b>Math</b>	<b>3 Credits</b>
<b>Social Studies</b>	<b>3 Credits</b>
<b>PE/Personal Fitness</b>	<b>1 Credit</b>
<b>Computers</b>	<b>.5 Credit</b>
<b>Fine Arts</b>	<b>.5 Credit</b>
<b>Electives*</b>	<b>10 Credits</b>
	<b>25 Total Credits</b>

*\*Must meet the financial literacy requirement as one of your electives by taking Personal Finance, Economics, or Life Management.*

### ❖ **Colorado Four-Year College Requirements**

<b>Math</b>	<b>4 Credits (including Alg 1, Alg 2, Geom. or Math 1, Math 2, Math 3)</b>
<b>Foreign Language</b>	<b>1 Credit</b>
<b>Academic Electives</b>	<b>2 Credits</b>

*See page 2 for more specifics*

### ❖ **NCAA Requirements**

*See page 7 for more specifics*

## **Suggested Electives for Business & Public Administration**

- |                                   |   |
|-----------------------------------|---|
| ✓ <b>Business Communications</b>  | ✓ <b>Business Management &amp; Entrepreneurship</b> |
| ✓ <b>Accounting I</b>             | ✓ <b>Web Design</b>                                 |
| ✓ <b>Accounting II</b>            | ✓ <b>Personal Finance</b>                           |
| ✓ <b>Computerized Accounting</b>  | ✓ <b>Economics</b>                                  |
| ✓ <b>AP Statistics</b>            | ✓ <b>Computer Applications</b>                      |
| ✓ <b>Business Math</b>            | ✓ <b>Business Exploration</b>                       |
| ✓ <b>Business Finance</b>         | ✓ <b>Tech Math I – WCCC</b>                         |
| ✓ <b>Business Work Experience</b> | ✓ <b>Marketing Education - WCCC</b>                 |
| ✓ <b>Business Work Class</b>      |   |

*\*\*Suggested electives are not always offered each year at PHS, please check with your counselor if you have questions.*

## **HOSPITALITY, HUMAN SERVICES, & EDUCATION**

Plan for your future! As you complete your four years at Palisade High School, make school relevant. Complete all of your required course work for graduation. If you plan on attending college, make sure you meet the college entrance requirements by earning an additional credit in math, one credit in a foreign language, and two credits of academic electives. Also, take electives that will directly help prepare you for the career of your choice!

### ❖ **MCVSD #51 Graduation Requirements**

<b>Language Arts</b>	<b>4 Credits</b>
<b>Science</b>	<b>3 Credits</b>
<b>Math</b>	<b>3 Credits</b>
<b>Social Studies</b>	<b>3 Credits</b>
<b>PE/Personal Fitness</b>	<b>1 Credit</b>
<b>Computers</b>	<b>.5 Credit</b>
<b>Fine Arts</b>	<b>.5 Credit</b>
<b>Electives*</b>	<b>10 Credits</b>
	<b>25 Total Credits</b>

\*Must meet the financial literacy requirement as one of your electives by taking Personal Finance, Economics, or Life Management.

### ❖ **Colorado Four-Year College Requirements**

<b>Math</b>	<b>4 Credits (including Alg 1, Alg 2, Geom. or Math 1, Math 2, Math 3)</b>
<b>Foreign Language</b>	<b>1 Credit</b>
<b>Academic Electives</b>	<b>2 Credits</b>

*See page 2 for more specifics*

### ❖ **NCAA Requirements**

*See page 7 for more specifics*

## **Suggested Electives for Hospitality, Human Services, & Education**

- |                                  |  |
|----------------------------------|--|
| ✓ Psychology                     | ✓ Pro-Start II                           |
| ✓ Humanities                     | ✓ Business Exploration                   |
| ✓ Life Management                | ✓ Business Management                    |
| ✓ Relationships                  | ✓ Personal Finance                       |
| ✓ Child & Adolescent Development | ✓ Business Work Experience               |
| ✓ International Cuisine          | ✓ Business Management & Entrepreneurship |
| ✓ Personal Fitness & Wellness    | ✓ Graphic Communications – WCCC          |
| ✓ Food Science I                 | ✓ Marketing Education - WCCC             |
| ✓ Food Science II                |  |
| ✓ Pro-Start                      |  |

*\*\*Suggested electives are not always offered each year at PHS, please check with your counselor if you have questions.*

## SKILLED TRADES & TECHNICAL SCIENCES

Plan for your future! As you complete your four years at Palisade High School, make school relevant. Complete all of your required course work for graduation. If you plan on attending college, make sure you meet the college entrance requirements by earning an additional credit in math, one credit in a foreign language, and two credits of academic electives. Also, take electives that will directly help prepare you for the career of your choice!

### ❖ MCVSD #51 Graduation Requirements

<b>Language Arts</b>	<b>4 Credits</b>
<b>Science</b>	<b>3 Credits</b>
<b>Math</b>	<b>3 Credits</b>
<b>Social Studies</b>	<b>3 Credits</b>
<b>PE/Personal Fitness</b>	<b>1 Credit</b>
<b>Computers</b>	<b>.5 Credit</b>
<b>Fine Arts</b>	<b>.5 Credit</b>
<b>Electives*</b>	<b>10 Credits</b>
	<b>25 Total Credits</b>

\*Must meet the financial literacy requirement as one of your electives by taking Personal Finance, Economics, or Life Management.

### ❖ Colorado Four-Year College Requirements

<b>Math</b>	<b>4 Credits (including Alg 1, Alg 2, Geom. or Math 1, Math 2, Math 3)</b>
<b>Foreign Language</b>	<b>1 Credit</b>
<b>Academic Electives</b>	<b>2 Credits</b>

*See page 2 for more specifics*

### ❖ NCAA Requirements

*See page 7 for more specifics*

## Suggested Electives for Skilled Trades & Technical Sciences

- |                     |                                  |
|---------------------|----------------------------------|
| ✓ Art I             | ✓ Technology Education           |
| ✓ Art II            | ✓ Fine Woodworking               |
| ✓ Advanced Art      | ✓ Construction Tech              |
| ✓ Ceramics          | ✓ Tech Math I – WCCC             |
| ✓ Advanced Ceramics | ✓ Animation Tech – WCCC          |
| ✓ 3-D Design        | ✓ Computer-Aided Design – WCCC   |
| ✓ Drawing/Painting  | ✓ Construction Tech – WCCC       |
| ✓ Printmaking       | ✓ Machining Tech – WCCC          |
| ✓ Draw & Paint II   | ✓ Media Tech – WCCC              |
| ✓ IB Art            | ✓ Technology Integration – WCCC  |
| ✓ IB Theater        | ✓ Welding Technology – WCCC      |
| ✓ Physics           | ✓ Transportation Services – WCCC |

\*\*Suggested electives are not always offered each year at PHS, please check with your counselor if you have questions.

## SPECIAL EDUCATION SERVICES

The special education department at Palisade High School has designed a continuum of service to meet the varying needs of students with all types of disabilities. We believe that students should be in the general education program whenever they can benefit from the instruction or the interaction with their peers. Students will follow one of the multiple pathways to graduation that has been established by the board. The student's multi-disciplinary team will determine which pathway is appropriate through the individual education planning process.

There is a variety of services at varying intensities that are available to students. The following is a list of some of the possible services:

- ✓ The staff may work with the student's teachers to modify and structure assignments to make them more accessible to the student.
- ✓ The staff may provide support in the completion of assignments, organization of the student's work and studying for exams during a structured study time. This is usually limited to one 45 minute time period of the day.
- ✓ The staff may provide instruction at the student's level in the content areas of social studies and science.
- ✓ The staff may provide assistance in dealing with stress, or conflict resolution with peers or staff.
- ✓ The staff may provide instruction in the areas of functional academics, recreation and leisure, communication skills, personal living, vocational and motor skills.
- ✓ Students with disabilities may participate in a vocational program through electives at PHS, the Career Center, Western Colorado Community College, or on-the-job training.

Students receiving services through the Special Education Program will be assigned a Case Manager who will work closely with the students and their parents with regard to the student's Individualized Education Program (IEP). Case Managers will contact students within the first few days of school to introduce themselves and give students information about where to find them. Many students will be assigned a period each day to provide additional time to complete academic work and to have access to a Resource teacher. Parents can contact their student's Case Manager through Parent Vue by clicking on the name of the teacher listed as PB Support. If you have questions or concerns about your student's program and would like to speak with a Resource teacher at PHS now, please email Barbara Rudy at [Barbara.rudy@d51schools.org](mailto:Barbara.rudy@d51schools.org).

## CAREER CENTER

The Career Center is structured to meet the career training needs of high school students. Emphasis should be given to 10<sup>th</sup> through 12<sup>th</sup> grade students who request a career training alternative allowing them to gain entry level job skills in combination with the educational program at their home school. Academic instruction, which includes Key Train and Work Keys assessment, is an integral part of every vocational program. A goal of the Career Center is for every student to achieve a minimum Level 3 (Bronze) Work Keys Certificate of Competency in reading, math and locating information. Students will then be prepared to enter the world of work, or continue in a higher education program upon graduation. It is also possible for a Career Center student to access Western Colorado Community College (Formerly UTEC) programs. Opportunities at Career Center include:

Computer Technologies	Construction
Construction-Advanced Studies	Culinary Arts Prep
Culinary Arts Restaurant	Early Childhood Professions
Floriculture	Healthcare Prep
Landscaping	Property Management
Small Animal Care	Sport Vehicle Repair

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

### **COMPUTER Technologies**

4 Quarters/3 Credits

Times: Mod I= 7:40-9:30, Mod II 9:35-11:25, Mod III= 12:30-2:20

Are you interested in technology? Are you interested in understanding how technology impacts our lives every single day and its ability to make difficult and complex tasks easier? Do you enjoy solving puzzles? Computer Technologies takes students from the basic building blocks of technology, program code and hardware, and examines how they work together to help us perform everyday tasks easier and faster. Students learn these concepts through daily hands-on tasks that include: programming, on-line research, troubleshooting, and software and hardware installation. In addition, students learn valuable skills that can be applied to any job, including: communication & customer service, sales & marketing, and inventory management. Learn these and many other skills as you work through hands-on, real world technology scenarios. **1<sup>st</sup> year students will earn 2 elective credits and 1 computer tech math credit. Returning students will earn 3 elective credits per year.**

### **CONSTRUCTION TECHNOLOGY (Carpentry I)**

4 Quarters/3 Credits

Times: Mod I= 7:40-9:30, Mod II= 9:35-11:25, Mod III= 12:30-2:20

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

**CONSTRUCTION - ADVANCED STUDIES**

4 Quarters/3 Credits

Times: Mod I= 7:40-9:30. **Juniors and Seniors only**

Explore many job opportunities in the oilfield that range from working on a drill rig to building a compressor station. Students are also introduced to renewable energy, including solar electricity, solar water heating, wind generators and geothermal. We will also study green building techniques, Energy Star homes and learn what it takes to make a home energy efficient. Students will earn HS math credits. **1<sup>st</sup> and 2<sup>nd</sup> year students will earn 2 elective credits and 1 construction math credit. 3<sup>rd</sup> and 4<sup>th</sup> year students will earn 3 elective credits per year.**

**CULINARY ARTS - Prep**

Times: Mod I= 7:40-9:30

4 Quarters/3 Credits

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

**CULINARY ARTS -Restaurant**

Times: Mod 3 Culinary Restaurant Times: 12:30-2:20PM (Mondays) and 11:00AM-2:20PM (Tuesdays-Fridays)

4 Quarters/3 Credits

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

**EARLY CHILDHOOD PROFESSIONS**

4 Quarters/3 Credits

Times: Mod I= 7:40-9:30, Mod II= 9:35-11:25, Mod III= 12:30-2:20

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

**FLORICULTURE**

4 Quarters/3 Credits

Times: Mod I=7:40-9:30, Mod II=9:35-11:25, Mod III=12:30-2:20

Are you creative? Do you like live plants and flowers? In this class, students gain hands on experience following the seasonal operation of an on-site floral shop. Topics covered include applied floral design, as well as basic safety systems, applied plant science/systems, horticulture employability, leadership/community stewardship, marketing and sales, business management, and customer service. **1<sup>st</sup>**

**year students will earn 2 credits of electives and 1 floriculture math credit. 2<sup>nd</sup> year students will earn 2 elective credits and 1 floriculture science credit. 3<sup>rd</sup> and 4<sup>th</sup> year students will earn 3 elective credits.**

### **HEALTHCARE PREP**

4 Quarters/3 Credits

Times: Mod I= 7:40-9:30, Mod II= 9:35-11:25, Mod III= 12:30-2:20

Are you interested in the Health Care field? Do you like helping people? If the answer is yes, then this class is for you! Learn what jobs are available in the health care industry and what you need to do to become a health care professional. Hands on activities include learning to take vital signs, field trips, medical terminology and medical professional guest speakers. Throughout the year, you will learn Personal Care Provider skills and may be eligible to earn a PCP certificate. Along with personal care provider skills, you will also learn CPR and Basic First Aid. We will explore some of the body's major systems...digestive, respiratory, and circulatory. How many bones does the body have? Are there body parts you can live without? How does your body really work? Let's find out! **1<sup>st</sup> year students will earn 2 credits of electives and 1 healthcare prep math credit. 2<sup>nd</sup> year students will earn 2 elective credits and 1 healthcare prep science credit. 3<sup>rd</sup> and 4<sup>th</sup> year students will earn 3 elective credits.**

### **LANDSCAPING**

4 Quarters/3 Credits

Times: Mod III ONLY- 12:30=2:20

If you like to work outside with plants and get dirty, this class is meant for you! This course offers instruction in basic horticulture and landscape systems. Hands on activities include career exploration, native plant studies, wetland/wildlife exploration, tool and equipment operation, community leadership and stewardship, and horticulture employability skills. Students are also introduced to forestry and orchard management. **1<sup>st</sup> year students will earn 2 credits of electives and 1 landscaping math credit. 2<sup>nd</sup> year students will earn 2 elective credits and 1 landscaping science credit. 3<sup>rd</sup> and 4<sup>th</sup> year students will earn 3 elective credits.**

### **PROPERTY MANAGEMENT & MAINTENANCE**

4 Quarters/3 Credits

Times: **Mod II Only**= 9:35-11:25

This is a hands-on course that covers topics involving maintaining and managing housing units, both single dwelling properties and multi-unit properties. The maintenance portion will work with evaporative coolers, sprinkler systems, drywall, electrical and plumbing. The management section will cover basic accounting to maximize profit, lease and rental agreements and legal issues that may occur and the overall work ethic and customer services skills that are needed by this industry. This course can only be taken for one year. **Students will earn 2 elective credits and 1 construction math credit.**

### **SMALL ANIMAL CARE**

4 Quarters/3 Credits

Times: Mod I= 7:40-9:30, Mod II= 9:35-11:25; Not offered in Mod III

The Small Animal Care Program will introduce students to animal care skills necessary for small animal kennels, animal day care facilities, pet stores and animal clinics. The topics of study include small animal management, animal ethics and law, small animal assistant skills, veterinary terminology and career development. Science and math will be embedded in, but not restricted to, the animal nursing, clinical pathology, animal health and nutrition. Math will be embedded in the small animal office administration skills. Language skills are embedded in the required presentation, demonstration and research papers.



Students will participate in off campus field trips to veterinary clinics, specialized veterinary clinics, boarding kennels, humane societies, pet stores, animal breeder, feed stores, local groomers and other sites related to the class curriculum. **1<sup>st</sup> year students will earn 2 credits of electives and 1 small animal math credit. 2<sup>nd</sup> year students will earn 2 elective credits and 1 small animal science credit. 3<sup>rd</sup> and 4<sup>th</sup> year students will earn 3 elective credits.**

**SPORT VEHICLE TECHNOLOGY (Small Engine Repair)**

4 Quarters/3 Credits

Times: Mod I= 7:40-9:30, Mod II= 9:35-11:25, Mod III= 12:30-2:20

**Sophomores – Seniors Only**

Do you want to learn how to change oil and spark plugs, rebuild carburetors, and repair all kinds of small vehicles and machinery? This course will provide hands-on training in performing a complete overhaul of two and four stroke engines, test procedures and repair of electrical components. Students will also learn identification of major frame and suspension components and general repairs of most small engines including lawn mowers, chain saws, rotary tillers, motorcycles, and ATV's.

**INTERNSHIP WITH INDEPENDENT STUDY FOR THE ABOVE CLASSES:**

The internship is for the third year student - juniors and seniors - with a strong interest in vocational or college related horticulture. One year program = 180 hours. Internship sites include: Colorado State University Cooperative Extension, Western Colorado Botanic Garden, City of Grand Junction Parks and Recreation, Palisade Wholesale Greenhouse, Career Center Horticulture Program, and various School District 51 grounds. Internships will require an interview with the student, teacher, and site coordinator.

**Career Center classes credit distribution for a full year of participation:**

Sport Vehicle Tech 1 – 2.5 elective credits, .5 English elective credit = 3.0 credits

Sport Vehicle Tech 2 – 2.5 elective credits, .5 math elective credit = 3.0 credits

Sport Vehicle Tech 3 – 3.0 elective credits

Computer Repair 1 - 2.5 elective credits, .5 English elective credit = 3.0 credits

Computer Repair 2 - 2.5 elective credits, .5 math elective credit = 3.0 credits

Computer Repair 3 - 3.0 elective credits

ECP 1 - 2.5 elective credits, .5 English elective credit = 3.0 credits

ECP 2 - 2.5 elective credits, .5 math elective credit = 3.0 credits

ECP 3 - 3.0 elective credits

Construction 1 – 2.0 elective credits, 1.0 math credits = 3.0 credits

Construction 2 - 2.0 elective credits, 1.0 math credits = 3.0 credits

Construction 3 - 3.0 elective credits

Culinary Prep 1 – 2.0 elective credits, 1.0 math credits = 3.0 credits

Culinary Prep 2 – 2.0 elective credits, 1.0 science credit = 3.0 credits

Culinary Prep 3- 3.0 elective credits

Culinary Rest 1 – 3.0 elective credits, 1.0 math credit = 4.0 credits

Culinary Rest 2 - 3.0 elective credits, 1.0 science credit = 4.0 credits

Culinary Rest 3 – 4.0 elective credits

Floral 1 - 2.0 elective credits, 1.0 math credits = 3.0 credits  
 Floral 2 - 2.0 elective credits, 1.0 science credit = 3.0 credits  
 Floral 3 - 3.0 elective credits

Landscaping 1 - 2.0 elective credits, 1.0 math credits = 3.0 credits  
 Landscaping 2 - 2.0 elective credits, 1.0 science credit = 3.0 credits  
 Landscaping 3 - 3.0 elective credits

Small Animal Care 1 - 2.0 elective credits, 1.0 math credits = 3.0 credits  
 Small Animal Care 2 - 2.0 elective credits, 1.0 science credit = 3.0 credits  
 Small Animal Care 3 - 3.0 elective credits

Sport Vehicle Repair 1 - 2.0 elective credits, 1.0 math credits = 3.0 credits  
 Sport Vehicle Repair 2 - 2.0 elective credits, 1.0 science credit = 3.0 credits  
 Sport Vehicle Repair 3 - 2.0 elective credits, 1.0 math credits = 3.0 credits

Healthcare Prep  
 Level 1, 2, and 3 - 3.0 elective credits

## **WESTERN COLORADO COMMUNITY COLLEGE**

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

### **THE TECHNICAL EDUCATION ADVANTAGE**

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

Study and skills training in technical education courses can achieve

- Specific occupational skills
- Employment skills
- Preparation for direct entry into work after high school with increased occupational choices and opportunities for career growth
- Preparation and pathways to post-secondary two or four-year programs at the college or university level with some programs offering transferable college credits
- Improved options for employment to earn money for continued education
- High school credit and opportunities for college credit (college credit available in some programs)

## ENROLLMENT AND REGISTRATION

High school students who want to enroll in a technical program at WCCC may do so through their high school counselor. Students are required to complete a WCCC application (available in high school counseling offices or at WCCC) and arrange for an interview with the WCCC program instructor by contacting WCCC student services at 255-2670. The student, or their high school counselor, will be notified of acceptance into WCCC program. Priority for program enrollment is given to current or continuing students with satisfactory program performance and to seniors and juniors. All programs are year-long.

Class times: WCCC Mod 1 = Periods 1-3  
 WCCC Mod 2 = Periods 3-5  
 WCCC Mod 3 = Periods 6-8

## WCCC CREDIT CROSSWALK

We are pleased to share that students may earn credit for some core classes through some of the WCCC programs! The following chart illustrates the types of high school credit students may earn at WCCC. All WCCC programs (except welding) can earn dual high school and Colorado Mesa University credits.



### High School CTE Credit Matrix – 2015-16

WCCC Course	High School Course & Credits – Fall Semester		High School Course & Credits – Spring Semester		Technical Scholars* - College Course & Credit**	
					College course competencies must be met by the student in order to earn college credit. Courses will be offered fall or spring semesters as determined by program instructors.	
					Fall Semester	Spring Semester
Computer Networking Technology Year 1	Computer Networking Technology I Math for IT	1.0 Elective 0.5 Math	Computer Networking Technology I Math for IT	1.0 Elective 0.5 Math	TECI 132 Introduction to PC (3 cr)	TECI 260 IT Hardware & Sys Software (3 cr) TECI 251 Leadership (2 cr)
Computer Networking Technology Year 2	Computer Networking	1.5 Elective	Tech Integration II	1.5 Elective	TECI 180 Cisco I (3 cr)	TECI *** (3 cr)
Digital Design Year 1	Digital Design I Computer Applications Digital Design: Fine Arts Digital Design: Lang. Arts	0.75 Elective 0.25 Computer Apps 0.25 Fine Arts 0.25 English Elective	Digital Design I Computer Applications Digital Design: Fine Arts Digital Design: Lang. Arts	0.75 Elective 0.25 Computer Apps 0.25 Fine Arts 0.25 English Elective	MGDA 111 Adobe PhotoShop I (3 cr)	MGDA 152 Digital Animatics (3 cr)
Digital Design Year 2	Digital Design II	1.5 Elective	Digital Design II	1.5 Elective	MGDA 153 3D Animation I (3 cr) AND / OR MGDA 164 Digital Video Editing (3 cr)	MGDA *** (3 cr)
Machining Technology Year 1	Machining I Machining Math	1.0 Elective 0.5 Math	Machining I Machining Math	1.0 Elective 0.5 Math	MAMT 102 Machining Fundamentals (1 cr) MAMT 105 Print Reading & Sketching (2 cr)	MAMT 115 Intro To Machine Shop (3 cr)
Machining Technology Year 2	Machining II	1.5 Elective	Machining II	1.5 Elective	MAMT 120 Machine Technology I (4 cr)	MAMT 125 Machine Technology II (4 cr)
Marketing Education Year 1	Marketing I Business Research & Comp Marketing Math	0.5 Elective 0.5 English 3/English Elective 0.5 Math	Marketing I 21 <sup>st</sup> Century Speech & Comm Marketing Math	0.5 Elective 0.5 Comm/ English Elective 0.5 Math	MARK 231 Principles of Marketing (3 cr)	OFAD 120 Internet & Social Networking (3 cr)
Marketing Education Year 2	Marketing II	1.5 Elective	Marketing II	1.5 Elective		

\*Contact the program instructor or Student Services for more information on the Technical Scholars option and how to sign up for college credit.

\*\*Technical Scholars course tuition is \$50 per credit hour and will be paid by the school district.

Student must repay district if course grade is below "C". Registration for Technical Scholars college credit is offered in September and February of each year. NO registrations will be accepted after February 15. The course equivalency matrix details the potential college course credit available those who successfully complete the necessary course competencies.

WCCC Course	High School Course & Credits – Fall Semester		High School Course & Credits – Spring Semester		Technical Scholars* - College Course & Credit** College course competencies must be met by the student in order to earn college credit. Courses will be offered fall or spring semesters as determined by program instructors.	
					Fall Semester	Spring Semester
Medical Preparation Year 1	Med Prep I Med Prep I: Language Arts Med Prep I: Science	0.5 Elective 0.5 English Elective 0.5 Science Elective	Med Prep I Med Prep I: Language Arts Med Prep I: Science	0.5 Elective 0.5 English Elective 0.5 Science Elective	HSCI 101 Intro to Health Care Professions (3 cr)	NURA 101 Nurse Aide Healthcare Skills (4 cr) NURA 170 Nurse Aide Clinical Experience (1 cr) OR EMTS 115 Emergency Medical Responder (3 cr) OR AROS 296 Topics: Vet Assisting (3 cr.)
Medical Preparation Year 2	Med Prep II	1.5 Elective	Med Prep II	1.5 Elective		NURA 101 Nurse Aide Healthcare Skills (4 cr) NURA 170 Nurse Aide Clinical Experience (1 cr) OR EMTS 115 Emergency Medical Responder (3 cr) OR AROS 296 Topics: Vet Assisting (3 cr.)
STEM Discovery (Science, Technology & Mathematics Discovery) Year 1	STEM Discovery Engineering Physics CAD Math	0.5 Elective 0.5 Science Elective 0.5 Math	STEM Discovery Engineering Physics CAD Math	0.5 Elective 0.5 Science Elective 0.5 Math	CADT 108 CAD - Mechanical(3 cr) MAMT 105 – Print Reading & Sketching (2 cr)	PROS 100 Intro to Process Technology (3 cr)
STEM Discovery (Science, Technology & Mathematics Discovery) Year 2	STEM Discovery II	1.5 Elective	STEM Discovery II	1.5 Elective	MAMT *** (3 cr) OR PROS *** (3 cr) OR TEC *** (3 cr) OR CADT *** (3 cr)	MAMT *** (3 cr) OR PROS *** (3 cr) OR TEC *** (3 cr) OR CADT *** (3 cr)
Transportation Services Year 1	Transportation Services I Automotive Science Automotive Math	0.5 Elective 0.5 Physical Science Elective 0.5 Math	Transportation Services I Automotive Science Automotive Math	0.5 Elective 0.5 Physical Science Elective 0.5 Math	TSTC 100 Intro to Trans. Services (1 cr) TSTC 110 Engine Fundamentals (1 cr)	TSTC 101 Vehicle Service & Inspection (2 cr)
Transportation Services Year 2	Transportation Services II	1.5 Elective	Transportation Services II	1.5 Elective	TSTC 170 Chassis Fundamentals (1 cr) TSTC 180 Fuel System Fundamentals (1 cr)	TSTC 171 Brake Fundamentals (2 cr)
Welding Technology Year 1	Welding Technology I Welding Math	1.0 Elective 0.5 Math	Welding Technology I Welding Math	1.0 Elective 0.5 Math	WELD 117 Oxy-Fuel & Plasma Arc Cutting (3 cr)	WELD 211 Gas Metal Arc /Flux Cored Arc Welding (3 cr)
Welding Technology Year 2	Welding Technology II	1.5 Elective	Welding Technology II	1.5 Elective	MAMT 105 Print Reading & Sketching (2 cr) WELD 110 Shielded Metal Arc Welding (3 cr)	WELD 211 Gas Metal Arc /Flux Cored Arc Welding (3 cr)

2/27/2015

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## New Programs for 2016-2017... Culinary arts and Electrical Technology (not yet cross-walked for specific, non-elective credits)

### Computer Networking Technology

Join the exciting, rapidly changing field of Information Technology and the internationally accredited Cisco Certified Networking Academy. Students learn the fundamentals of PC technology including computer hardware and software skills needed to meet the growing demand for entry-level Information and Communication Technology (ICT) professionals. Students are introduced to advanced concepts in computer networking systems from small and home office networking to more complex networking models.

### Digital Design

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

team building and leadership skills as well as problem solving and critical thinking needed to start a journey into the world of making creative content.

### **Machining Technology**

This course is designed to meet competency-based standards set by industry; it prepares students for entry level placement in a wide range of manufacturing jobs. Students learn blueprint reading, geometric dimensioning and tolerancing, general machining, CNC machining, process planning, inspection process planning, maintenance, computer aided drafting/computer aided manufacturing (CAD/CAM) and technical math. Classroom instruction is integrated with related lab work on project-based activities using tools and equipment found in industry.

### **Marketing Education**

Students learn marketing, business management, and finance in 22 different areas including: sports and entertainment; restaurant management; advertising and multimedia; fashion and merchandising; accounting and financial applications; and hospitality and hotel management. Students have the opportunity to work with real businesses to improve their bottom line and prepare actual advertising campaigns that companies can use.

### **Medical Preparation**

This program prepares students for a career in healthcare. Students learn medical terminology, human growth and development, ethics, first aid, CPR, basic anatomy and physiology, infection control and safety, and the effects of wellness and illness across the lifespan. In the spring semester students can choose clinical studies including Certified Nursing Assistant, Veterinary Assistant or Emergency Medical Responder. Clinical experiences and job shadowing in the community requires students to provide their own transportation to clinical sites.

### **STEM Discovery (Science, Technology, Engineering, Math)**

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

### **Transportation Services**

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

## **Welding Technology**

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

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

## **ASSISTANTSHIPS**

### **TEACHER AIDE**

*.25 Credit*

*Prerequisite: Grades 10-12, Permission of counselor and instructor*

Teacher Aides may receive .25 credits per term. Grades are based on Pass/Fail. A failing grade does factor into GPA. Students who are interested should contact the teacher they wish to assist. Student Teacher must sign a contract.

### **PEER TUTOR** □

*.5 Credit*

*Prerequisite: Grades 11-12, Permission of counselor and instructor*

This course pairs qualified juniors and seniors with 9<sup>th</sup> and 10<sup>th</sup> grade students who need assistance to pass a core area class. Selected mentors will aid in teaching time management skills, organizational skills and goal setting. In addition, mentors will work to build reading comprehension, knowledge of using textbooks and resource materials as well as help develop basic computer skills. Mentors may be required to spend additional time outside of class to prepare for the upcoming quarter. General qualifications include: good attendance, solid work habits, good communication skills, successful completion of required 9<sup>th</sup> and 10<sup>th</sup> grade courses, a desire to work with a wide range of students, and a positive recommendation from a teacher or community member.

### **OFF-CAMPUS TUTOR**

*.5 Credit*

*Prerequisite: Grades 10-12, Approval by counselor*

High school students will mentor elementary and/or middle school students in the areas of reading and writing. High School mentors will follow a prescribed plan for meeting the younger students' skill deficiencies. High school students are required to provide their own transportation to and from the elementary/middle school. Mentors must have the approval of their grade-level counselor. A minimum GPA of 2.5 is required. (If interested in a teaching career in the future, consider doing an internship through School-to-Career in a school setting.)

## **SPECIAL COURSE WORK**

### **Career and College Prep**

.5 Credit

Students identify their personal strengths, weaknesses and interests, research career pathways and colleges/tech schools, then reflect on which careers and training opportunities are their best fit. Students also learn how to find and keep a job, how to apply for college, college funding and scholarships, and prepare for entrance requirements.

### **SCHOOL TO CAREER INTERNSHIP** □

.5 Credit for every 68 hours

The Internship is designed to give students experiential learning in a career interest area. In order to receive .5 elective credit, students must meet standards-based requirements which include: researching career opportunities, resume, cover letter, interview, working a minimum of 67 hours at a career-related work site, timely completion of written assignments, and attending weekly meetings with the School-to-Career Coordinator. A maximum of two elective credits may be earned toward graduation through internship experiences.

If interested, see your School Counselor for further information.

Internships are granted for student access to career interests. We encourage new experiences for all students. Students cannot earn more than 2 credits as an intern toward graduation. Letter grades will be awarded. Intern supervisors will not be related to the student.

### **INDEPENDENT STUDY – See counselor for details**

*Prerequisite: Grade 11-12*

When a student has demonstrated the ability and maturity necessary to work under supervision on a program of his/her own creation, independent of a classroom setting, an independent study may be considered. The student and supervising teacher will create a contract for the independent study and present it to the counselor and assistant principal. Parent/Guardian permission is required. Credits will be based on individual term work. The attendance policy remains in effect for independent study students.

### **STUDY LAB**

.5 Credit

*Prerequisite: Permission of instructor*

This course is designed to serve students who are struggling academically (earning D's or F's) in at least two core classes. Students are referred to Study Lab by teachers, counselors, staff members or themselves. Students accepted in Study Lab will work on being successful in their other classes. Study Lab focuses on developing time management, organizational skills, and goal setting. In addition, Study Lab will work to build reading comprehension, knowledge of using a textbook, and resource materials as well as developing basic computer skills. Students will be expected to apply them to their other classes. (Elective Credit)

**ESL (English as a Second Language)**

English as a Second Language (ESL) is a program designed for students who first learned a language other than English. Only students who have been admitted and tested according to criteria from the ESL District Office and the Colorado Department of Education can take these classes. The Colorado Department of Education English Standards and English Language Development Standards are used to structure classes for ESL Learners (ELLs). Students learn to communicate by reading, writing, speaking and listening in English using a variety of sources for academic and social purposes. Students use English language specific and content area language resources for learning English.



# COURSE OFFERINGS

(\* \*\* indicates approved NCAA Core Academic)

## LANGUAGE ARTS

Literacy Lab  
 Comp/Lit 9\*\*  
 Honors Comp/ Lit 9\*\*  
 Comp/Lit 10\*\*  
 Hon Comp/Lit 10\*\*  
 Comp 11 \*\*  
 Speech\*\*  
 Modern Lit\*\*  
 Brit Lit\*\*  
 AP English Lang\*\*  
 AP English Lit\*\*  
 Humanities\*\*  
 Theater Arts I & II  
 Play Production  
 Acting  
 Advanced Acting  
 Journalism: newspaper & Yearbook\*\*  
 Creative Writing\*\*  
 Forensics I (Debate)\*\*  
 IB English 11 HL\*\*  
 IB English 12 HL\*\*

## MATHMATICS

Math I\*\*  
 Math II\*\*  
 Math III\*\*  
 Pre-Calculus\*\*  
 AP Statistics\*\*  
 AP Calculus AB\*\*  
 AP Calculus BC\*\*  
 Personal Finance  
 Accounting I  
 Business Math  
 IB Math 1 & 2 SL/HL\*\*  
 IB Math Studies SL\*\*  
 CMU MATC 091 Intermediate Algebra  
 CMU MATH 113 College Algebra

## PHYSICAL EDUCATION

PE I or PE II  
 Weights  
 Choice PE/Lifetime Activities  
 Personal Fitness & Wellness  
 Team Train  
 Dance

## SOCIAL STUDIES

Global Studies\*\*  
 U.S. History\*\*  
 American Government\*\*  
 Law Related Education\*\*  
 Economics\*\*  
 Psychology\*\*  
 World History Middle Ages  
 AP US History\*\*  
 AP American Government\*\*  
 AP Human Geography\*\*  
 AP Psychology\*\*  
 IB History of the Americas HL\*\*  
 CMU US History 131& 132

## SCIENCE

AP Environmental Science\*\*  
 Geophysical Science\*\*  
 Honors Unified Science\*\*  
 Biology\*\*  
 Honors Biology\*\*  
 Astronomy\*\*  
 River Dynamics\*\*  
 Chemistry\*\*  
 Chemistry in the Community\*\*  
 Physics\*\*  
 Anatomy and Physiology\*\*  
 Botany\*\*  
 Zoology\*\*  
 CMU Biology 101 & 101Lab

## FINE ARTS

Theater Arts I & II  
 Play Productions  
 Film Studies 1 & 2  
 Acting I (Beginning)  
 Acting II (Advanced)  
 Marching Band  
 Symphonic Band  
 Jazz Band  
 Winds Ensemble  
 Jazz/Show Choir  
 Advanced Women's Choir  
 Intermediate Women's Choir  
 Beginning Women's Choir  
 Men's Choir  
 Orchestra  
 IB Music  
 IB Film

## BUSINESS

Computer Application I  
 Accounting I  
 Personal Finance  
 Career and College Prep  
 Business Work Experience  
 Business Math  
 IB Business Management

## ART

Art I  
 Art II  
 Advanced Art  
 Ceramics  
 3-D Design  
 Draw & Paint  
 Photography  
 Printmaking  
 Graphic Design  
 IB Visual Art  
 CMU ARTE 101 2-Dimensional Design

## FAMILY AND CONSUMER SCIENCES

Life Management

Relationships  
 International Cuisine  
 Culinary Nutrition  
 Child & Adolescent Development  
 Pro-Start I  
 Pro-Start II

## WORLD LANGUAGES

Spanish I\*\*  
 Spanish II\*\*  
 Honors Spanish I  
 Spanish III/ honors II\*\*  
 Spanish IV\*\*  
 Spanish for Native Speakers\*\*  
 AP Spanish Lang\*\*  
 French I & II\*\*  
 Honors French I & II\*\*  
 IB French 1 SL/HL\*\*  
 IB Spanish 1 & 2 SL/HL\*\*  
 IB Theory of Knowledge 1&2\*\*

## TECHNOLOGY EDUCATION

Carpentry I  
 Carpentry II (Fine Wood-Working)  
 Construction Technology

## WCCC

Computer Networking Technology  
 Digital Design  
 Marketing Education  
 Machining Technology  
 Medical Preparation  
 STEM Discovery  
 Transportation Services  
 Welding Technology  
 Electrical Technology  
 Culinary Arts

## CAREER CENTER

Early Childhood Professions  
 Construction Technology  
 Computer Maintenance Technology  
 Floriculture  
 Health Care Prep  
 Landscaping  
 Culinary Arts  
 Small Animal Care  
 Sport Vehicle Technology/Small Engine

## Other Credit Options

Teacher Aide  
 Peer-Tutor  
 Off-Campus Tutor  
 Career Internship  
 Student Government  
 Peer Tutor

## ENGLISH LANGUAGE ARTS

### COURSE LEVEL 9

#### **Composition/Literature 9 & Composition/Literature 9 Honors:**

##### *1.0 Credit*

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

#### **Literacy Lab:**

##### *.5 Credit each term*

*Prerequisites: Teacher Recommendation*

This course is designed for students who have not attained proficiency in language arts. Extra time and assistance will be provided for students to improve skills. In this class, students read and respond to a variety of literary forms. The course establishes language arts standards and expectations for basic high school proficiencies with emphasis on improving a student's reading and writing. Library, technology and study skills, as well as vocabulary study, are also included.

### COURSE LEVEL 10

#### **Composition/Literature 10:**

##### *1.0 Credit*

*Prerequisite: Successful Completion of Level 9 Core Requirement*

This is a two-term course with a thematic approach to literature and writing for students who have successfully completed core 9 requirements. In tenth grade, the learning of reading, writing, thinking, speaking, listening and researching focuses on the concept of **The American Dream**. Within this overarching theme, students will explore a variety of texts and genres through close reading and will write narrative, argumentative and informative texts. Students will compare and contrast texts and media that connect traditional, classical and contemporary themes while focusing on comparing the impact of artistic mediums, thematic or historical contexts. They will make connections between their own lives and the lives of those they read. They will continue to develop their understanding of rhetoric through their reading, writing, and dialoging. Students will develop speaking skills through continued rehearsal

techniques and will perform a formal speech. Students will continue to research authentic questions so they can orally articulate a claim supported by evidence while differentiating between primary and secondary document sources. They will continue to develop and monitor their own reading, writing, and thinking processes as they read self-chosen texts, write about self-chosen topics, and think about their thinking.

### **Composition/Literature 10 Honors:**

1.0 Credit

*Prerequisites: Honors Composition/Literature 9, Teacher Recommendation, or Pre-IB*

This is a two-term course with a thematic approach to literature and writing for students who have successfully completed core 9 requirements. In tenth grade, the learning of reading, writing, thinking, speaking, listening and researching focuses on the concept of **The American Dream at the honors' level**. Within this overarching theme, students will explore a variety of texts and genres through close reading and will write narrative, argumentative and informative texts. Students will compare and contrast texts and media that connect traditional, classical and contemporary themes while focusing on comparing the impact of artistic mediums, thematic or historical contexts. They will make connections between their own lives and the lives of those they read. They will continue to develop their understanding of rhetoric through their reading, writing, and dialoging. Students will develop speaking skills through continued rehearsal techniques and will perform a formal speech. Students will continue to research authentic questions so they can orally articulate a claim supported by evidence while differentiating between primary and secondary document sources. They will continue to develop and monitor their own reading, writing, and thinking processes as they read self-chosen texts, write about self-chosen topics, and think about their thinking.

## **COURSE LEVEL 11**

### **Composition/Literature 11:**

1.0 Credit

*Prerequisite: Successful Completion of Level 10 Core Requirement*

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

### **Advanced Placement English Language:**

1.0 Credit (11<sup>th</sup> grade Language Arts and English elective credit)

**Prerequisites: Teacher/Counselor Approval**

This year-long course extends from the Composition/Literature Honors 10 curriculum for the student who is skilled in writing and reading. Activities and assignments are designed to prepare the student for the national Advanced Placement Examination in English Language and Composition. The student reads and analyzes major works of nonfiction, including 16th to 21st century speeches, letters, and essays. The student also writes analysis, synthesis and argument. Taking the AP English Language exam is encouraged.

**COURSE LEVEL 12****Modern and Contemporary Literature/Composition**

.5 Credit

*Prerequisites: Successful Completion of 9th, 10th, and 11th Core Requirements*

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

**British Literature**

.5 Credit

*Prerequisites: Successful Completion of 9th, 10th, and 11th Core Requirements*

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

**Advanced Placement English Literature**

1.0 Credit (12<sup>th</sup> grade Language Arts & English elective credit)

*Prerequisite: Teacher/Counselor Approval*

This challenging course for the above average reader and writer is designed to prepare students for the national Advanced Placement Examination in English Literature. Instructional focus is close reading in multiple literary genres including poetry, drama, fiction, and nonfiction. Students learn to evaluate literary merit in its various forms and write critically to support those evaluations, thereby gaining new insight to and appreciation for literature. Taking the AP English Literature exam is encouraged.

**LANGUAGE ARTS ELECTIVES**

1/2 Credit Required

Play Production  
Theater Arts  
Journalism  
Speech  
Forensics I

Literacy Lab  
Creative Writing  
Humanities

**College Bound Electives**

AP Language  
 AP Literature  
 IB Theater

Modern Lit  
 British Literature

**Creative Writing**

.5 Credit

*Prerequisites: Successful Completion of Core Level 9 Language Arts*

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

**Play Production:**

.5 credit per term

This “hands-on” course introduces the student to the many aspects of theatrical production.

Activities range from reading and writing scripts, to designing and producing settings and costumes, to character analysis and criticism. Students explore the interrelationships of script, performance and staging, with an emphasis on the organization and teamwork needed for successful quality productions.

**1<sup>st</sup> term** - All students are required to act and build – One Acts

**2<sup>nd</sup> term** - Students will be doing all the production aspects such as building. Acting is not required.

**3<sup>rd</sup> term** - Students will be doing all the production aspects such as building. Acting is not required.

**4<sup>th</sup> term** - All students are required to act and build – short comedy.

**Theater Arts I: (Caution\*\*\* Although Theater Arts 1 is approved by the National College Athletic Association, Theater Arts 2 is NOT approved by NCAA)**

.5 Credit

In this course students experience a wide range of dramatic literature and explore theater traditions. Students will read, analyze, and discuss dramatic selections and experiment with creating dramatic literature. Students are required to attend one live play or musical during the term.

**1<sup>st</sup> term** – Greek, Oriental, English, and French Theater traditions will be taught.

**3<sup>rd</sup> term** – Realism, Musicals, American, and Modern Theater traditions will be taught.

**Journalism (Newsmagazine, Yearbook, and Online media):**

.5 Credit

This course focuses on marketing and production of all of the student publications. Students will learn and practice advanced journalism writing and production skills in order to publish the newsmagazine, yearbook, and online media with regularly scheduled deadlines. Students will not only study principles of gathering, writing, reporting, and editing the news, but also learn about page layout and design, photography, and business. It is a course requirement that students contribute to the publications through advertising sales. Students work cooperatively as a student editor-run staff to complete competitive and professional publications. Students also consider issues such as the responsibilities of the press, libel and slander laws, problems of censorship, and the role of the news media in shaping public opinion. Students

have the opportunity to attend conventions and compete on the local, state, and national level. Each student signs a contract for the required work. Out of class work is required and the student must supply his/her own transportation. Students must commit to at least one semester.

### **Speech**

*.5 Credit*

Students examine issues and ideas through researching, writing and delivering a variety of speeches in front of an audience. Students also analyze communication techniques used in effective public speaking.

### **Forensics I (Debate)**

*.5 Credit*

Forensics is a debate-focused speech class that will give students the opportunity to develop strategies and knowledge related to logical reasoning and argumentation. Students will learn to verbalize thoughts clearly and dynamically; organize ideas clearly and appropriately; generate speeches for a variety of occasions; develop self-confidence to express ideas fluently; debate successfully using individual, team, and group skills; research effectively; defend positions using evidence.

### **Mythology**

*.5 Credit*

In this class, students study the myths and legends of many cultures. Students read and view a variety of literary forms such as short stories, plays, film, and poetry. Students will discuss and write about the curriculum, gaining greater insights into the influence of myths on today's literature, vocabulary, and society.

### **Humanities**

*.5 Credit*

*Prerequisites: Successful completion of level 10 core requirement*

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

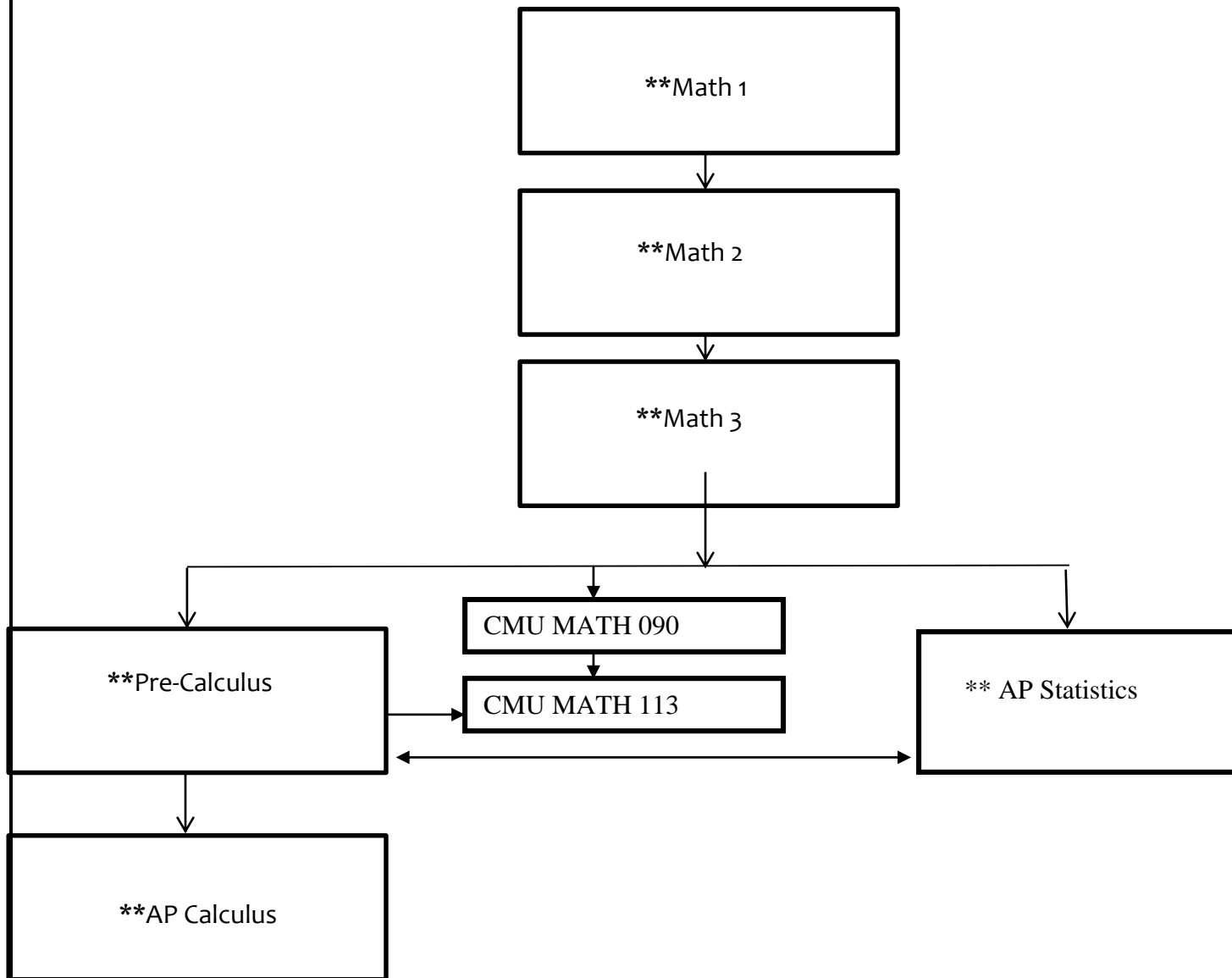
### **IB Theater**

*.5 Credit per term*

*Prerequisite: Junior or senior with teacher approval; both levels taught; open to all students*

The aims of the program in Theater Arts are to help students understand the nature of the theater; to understand it by creating it as well as by studying it; to understand it not only with their minds but with their senses, their bodies and their emotions; to understand the forms it takes in cultures other than their own; and through this understanding better understand themselves, their society and their world.

## MATHEMATICS FLOW CHART



### Notes:

- **Graphing calculators (TI 84+ silver edition)** are required for all courses.
- ***\*\*In order to advance to the next level in mathematics, students must earn a minimum of a C in the prerequisite course.***
- **Freshmen** will be placed in the appropriate math class (45 minute or block) based on CSAP test scores and the recommendation of their middle school teacher.
- Students bound for **college** must have 4 units of mathematics: Math 1, Math 2, Math 3, and one additional course (AP Statistics or Pre-Calculus and AP Calculus)
- See **Business Department** and/or **WCCC** for additional math credit options

## **MATH 1**

### **MATH 1 (45 minutes for whole year)**

2 Semesters - ½ Credit each semester

Prerequisite: none

Math 1 is a standards-based course utilizing a collaborative learning environment. Algebra, geometry and statistics topics include linear, exponential and quadratic functions; congruence, similarity, deductive, and spatial reasoning; probability and data analysis with display. The use of technology, hands-on activities and manipulatives will be a large part of instruction.

\*A TI-84 plus graphing calculator is required for this class.

### **ACCELERATED MATH 1 (90 minutes for each quarter)**

2 Quarters - ½ Credit each quarter

Prerequisite: Teacher Recommendation

Math 1 is a standards-based course utilizing a collaborative learning environment. Algebra, geometry and statistics topics include linear, exponential and quadratic functions; congruence, similarity, deductive, and spatial reasoning; probability and data analysis with display. The use of technology, hands-on activities and manipulatives will be a large part of instruction.

\*A TI-84 plus graphing calculator is required for this class.

NOTE: Accelerated Math 1 is designed for the student interested in taking AP math courses as an upperclassman. It is the exact same course with the same number of minutes of instruction completed in one semester instead of two semesters. It will have twice as much material to learn daily and is not recommended for students who struggle with time in math classes or heavy workloads. It is only recommended for students interested in taking AP courses as upperclassmen.

## **MATH LAB**

### **MATH LAB 1**

1 Term each ½ ELECTIVE Credit each term

Prerequisite: teacher recommendation and/or self-election

The Math Lab is a teacher recommended intervention connected to the Math 1 course. The course is designed to provide extra support for students in Math 1. Math faculty assist students by helping them keep up in the current course and catch up on math skills that may not have been previously mastered. No additional outside work is assigned in these classes.

### **MATH LAB 2**

1 Term each ½ ELECTIVE Credit each term

Prerequisite: teacher recommendation and/or self-election

The Math Lab is a teacher recommended intervention connected to the Math 2 course. The course is designed to provide extra support for students in Math 1. Math faculty assist students by helping them keep up in the current course and catch up on math skills that may not have been previously mastered. No additional outside work is assigned in these classes.

## **MATH 2**



**MATH 2 (45 minutes for whole year)**

2 Semesters - ½ Credit Each

Prerequisites: C or better in Math 1

Math 2 is a standards-based course utilizing a collaborative learning environment extending concepts introduced in Math 1. Algebra, Geometry and statistic topics include linear systems, multi-variable and power functions, logarithms; coordinate methods and trigonometry; regression, correlation, conditional probability and matrices.

\*A TI-84 plus graphing calculator is required for this class.

**ACCELERATED MATH 2 (90 minutes for each quarter)**

2 Quarters - ½ Credit Each

Prerequisite: C or better in Math 1 and teacher recommendation

Math 2 is a standards-based course utilizing a collaborative learning environment extending concepts introduced in Math 1. Algebra, geometry, and statistics topics include linear systems, multi-variable and power functions, logarithms; coordinate methods and trigonometry; regression, correlation, conditional probability and matrices.

\*A TI-84 plus graphing calculator is required for this class.

Note: Accelerated Math 2 is designed for the student interested in taking AP math courses as an upperclassman. It is the exact same course with the same number of minutes of instruction completed in one semester instead of two semesters. It will have twice as much material to learn daily and is not recommended for students who struggle with time in math classes or heavy workloads. It is only recommended for students interested in taking AP courses as upperclassmen.

**MATH 3****MATH 3 (45 minutes for whole year)**

2 Semesters - ½ Credit Each

Prerequisites: C or better in Math 1 and Math 2

Math 3 is a standards-based course utilizing a collaborative learning environment extending concepts introduced in Math 1 and Math 2. Algebra, geometry, and statistics topics include polynomial, rational, circular and logarithmic functions, linear programming; transformation of shapes, reasoning and proof in geometric contexts; normal distributions and standardized scores, statistical process control, recursion, arithmetic and geometric sequences.

\*A TI-84 plus graphing calculator is required for this class.

**ACCELERATED MATH 3 (90 minutes for each quarter)**

2 Quarters - ½ Credit Each

Prerequisite: C or better in Math 1 and Math 2 and teacher recommendation

Math 3 is a standards-based course utilizing a collaborative learning environment extending concepts introduced in Math 1 and Math 2. Algebra, geometry, and statistics topics include polynomial, rational, circular and logarithmic functions, linear programming; transformation of shapes, reasoning and proof in geometric contexts; normal distributions and standardized scores, statistical process control, recursion, arithmetic and geometric sequences.

\*A TI-84 plus graphing calculator is required for this class.

NOTE: Accelerated Math 3 is designed for the student interested in taking AP math courses as an upperclassman. It is the exact same course with the same number of minutes of instruction completed in one semester instead of two semesters. It will have twice as much material to learn daily and is not recommended for students who struggle with time in math classes or heavy workloads. It is only recommended for students interested in taking AP courses as upperclassmen.

## **PRE-CALCULUS**

### **PRE-CALCULUS (45 minutes for whole year)**

2 Semesters  $\frac{1}{2}$  Credit Each

Prerequisites: C or better in Math 1, Math 2, and Math 3

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

\*A TI-84+ Silver edition graphing calculator is required for this class.

### **ACCELERATED PRE-CALCULUS (90 minutes for each quarter)**

2 Quarters -  $\frac{1}{2}$  Credit Each

Prerequisite: C or better in Math 1, Math 2, and Math 3 and teacher recommendation

This is a rigorous course designed to prepare students for Calculus. It reviews and extends the major concepts of algebra, geometry, and analytic geometry while significantly involving the student in a study of trigonometry. Topics include circular functions, trigonometric function, logarithmic functions, vectors and 3D-space, linear algebra, conic sections, complex numbers, series, mathematical induction, limits, and derivatives.

\*A TI-84+ Silver edition graphing calculator is required for this class.

NOTE: Accelerated Math 4/Pre-Calculus is the exact same course with the same number of minutes of instruction completed in one semester instead of two semesters. It will have twice as much material to learn daily and is not recommended for students who struggle with time in math classes or heavy workloads.

## **CMU MATH 091 INTERMEDIATE ALGEBRA**

1 Term  $\frac{1}{2}$  high school credit

Prerequisite: Math 3, ACT score below 19 on the Math portion of the ACT, or an ACCUPLACER score EA from 45 to 60.

Topics include an introduction to algebra with a review of basic arithmetic. The syllabus includes decimals, fractions, percentages, ratios, proportion, signed numbers, algebraic expressions, factoring, exponents and radicals, linear equations, functions and graphs. MATH 090 prepares students to be successful in College Algebra, MATH 113.

**CMU MATH 113 COLLEGE ALGEBRA (High School Scholars class)**

1 Term  $\frac{1}{2}$  high school credit, 4 college credits

*Prerequisite: Successful completion of Math 3, GPA 3.0, and score of 19 on Math and 17 on Reading portions of the ACT, or an 85 in Math and 80 on the Accuplacer, completion of all concurrent paperwork.*

A College level treatment of algebra. Topics include algebraic properties of the integers, rationals, real and complex numbers; techniques for manipulation of expressions; techniques for solving linear, non-linear, absolute value equations, and inequalities; techniques for solving systems of equations; the Cartesian plane, relations and functions; properties and graphs of polynomial, rational, exponential, logarithmic and inverse functions; conic sections

**ADVANCED PLACEMENT COURSES****Advanced Placement Statistics (45 minutes for whole year)**

2 Semesters  $\frac{1}{2}$  Credit Each

*Prerequisites: C or better in Math 1, Math 2, and Math 3*

This course is for advanced math students and is taught as a non-calculus based college class and culminates in the Advanced Placement Statistics Examination. The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: Describing patterns and departures from patterns; Sampling and Experimentation: Planning and conducting a study; Anticipating Patterns: Exploring random phenomena using probability and simulation; Statistical Inference: Estimating population parameters and testing hypotheses. Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course. Grades may be weighted in this course for the purpose of determining GPA.

\*A TI-84+ Silver edition graphing calculator is required for this class.

**Advanced Placement Calculus AB (45 minutes for whole year)**

2 Terms  $\frac{1}{2}$  Credit Each

*Prerequisite: C or better in Pre-Calculus*

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

\*A TI-84+ Silver Edition calculator is required for this course.

**Advanced Placement Calculus BC (45 minutes for whole year)**

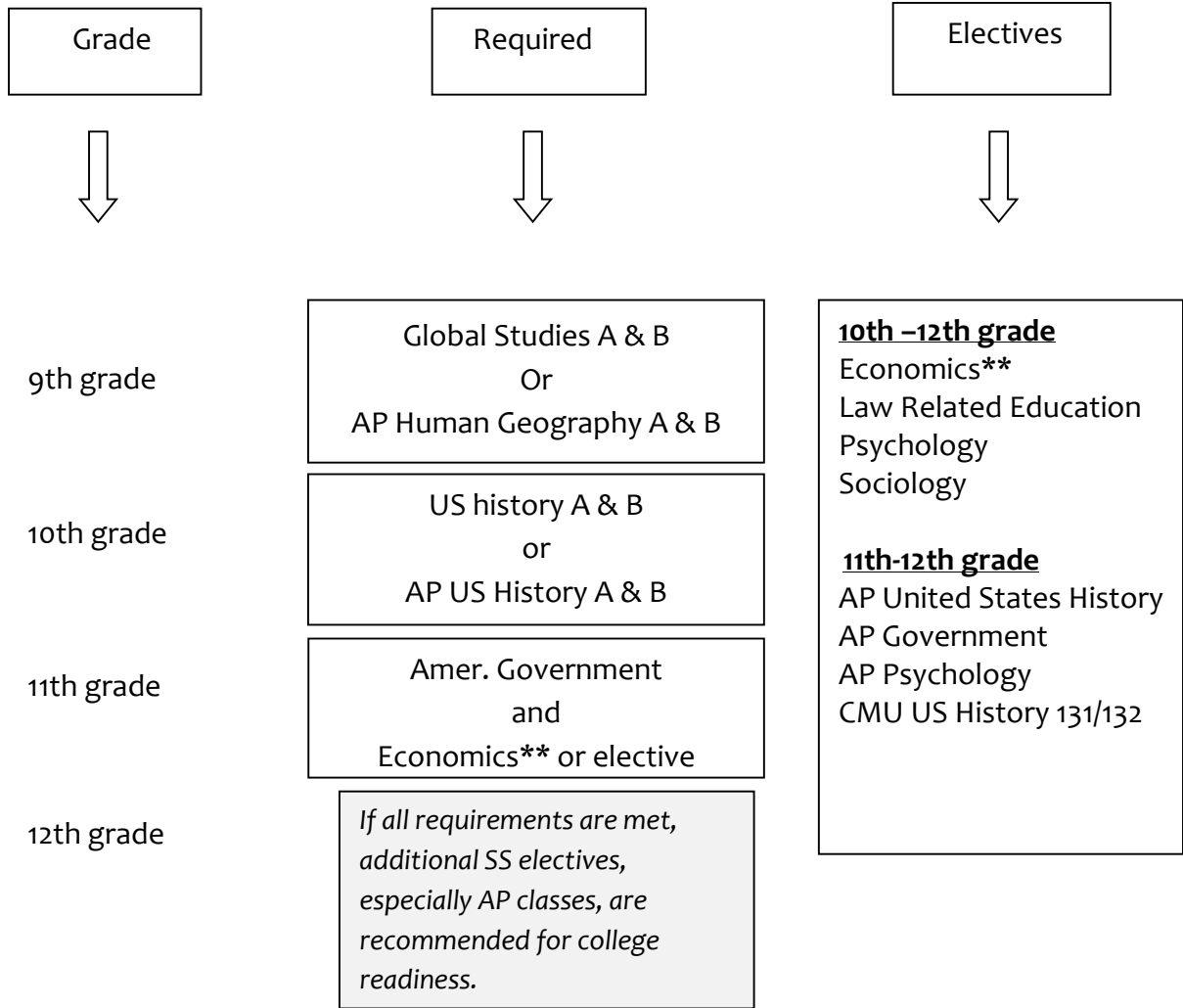
2 Terms  $\frac{1}{2}$  Credit Each

*Prerequisite: C or better in Pre-Calculus*

This course consists of an in-depth study of elementary functions and selected topics from differential and integral calculus, including a study of limits, continuity, derivatives, applications of the derivative, and techniques of integration up to and including integration by parts, applications of the integral and polynomial approximations of functions by series. This course culminates in Advanced Placement Calculus BC Examination. Successful completion of the course and the exam may earn the student 5-10 semester hours of credit at an accepting college or university. Grades may be weighted in this course for the purpose of determining GPA.

\*A TI-84+ Silver Edition calculator is required for this course.

# SOCIAL STUDIES FLOW CHART



**3 Credits Required For Graduation**  
 1 credit of Global Studies  
 1 credit of United States History  
 1/2 credit of American Government  
 1/2 credit elective  


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 3 total credits of Social Studies

*\*\*Economics also counts toward the financial literacy requirement.*

## **SOCIAL STUDIES**

### **Global Studies A & B (Required)**

*1.0 Credit*

Focus areas for part A: Introduction to Global Studies North America, Europe, Latin America, and Sub-Saharan Africa. Focus areas for part B: North Africa, Southwest Africa, South Asia, East Asia, and Oceania

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

Global studies is designed to help students understand the interconnectedness of the world. Students will investigate the world and develop the knowledge and skills in history, geography, civics, and economics. Each unit has an emphasis in a particular standard, but all four standards should be taught throughout the year equally. The course provides students with the opportunity to explore various regions and cultures. In addition, the course enables students to investigate issues and themes from multiple perspectives using a variety of primary and secondary sources that lead to in-depth understanding. As students explore the four social studies standards, they will have multiple opportunities to explore the content and skills of the social science disciplines.

### **US History A & B (Required)**

*1.0 Credit*

US History explores in depth history, civics, geography, and economics themes in US History from Industrial Revolution to present. This course builds on skills which will include cause and effect relationships, analysis, evaluation, and the use of primary sources to prepare students for the 21<sup>st</sup> Century.

The following three strands will be incorporated throughout the course:

Gather and analyze historical information, including contradictory data, from a variety of primary and secondary sources, including sources located on the Internet, to support or reject hypotheses.

Differentiate between facts and historical interpretations, recognizing that a historian's narrative reflects his or her judgment about the significance of particular facts.

Analyze ideas critical to the understanding of American history. Topics to include but not limited to populism, progressivism, isolationism, imperialism, anti-communism, environmentalism, liberalism, fundamentalism, and conservatism.

### **American Government (Required)**

*.5 Credit*

Students need to be informed, connected, and engaged participants in the American Political system. Students must understand the ramifications of political decisions from the local & state, to national, all the way to international implications. Students will know the basic building documents of the American Political system, their history and impact on current policies. Students will investigate the structure of the American government system, the three branches, Federalism and how these philosophies interact to form the American political milieu.

## **SOCIAL STUDIES ELECTIVES**

### **Economics**

*.5 Credit (Grades 10-12)*

*May be taken for BOTH the graduation requirement for financial literacy & for social studies elective credit*

The purpose of this course is to help students understand the American economic system of free enterprise so that they will be able to make better financial, employment, and personal decisions. Students will study how the U.S. economy works by examining the basic elements of the free market system, the interaction of supply and demand, the banking system, and the national policy.

### **Psychology**

*.5 Credit*

Psychology is the study of the mental processes and behavior. The course will cover such topics as sensation, perception, memory, thought, learning, human relations, personality, behavior disorders, and mental health.

### **Law-Related Education**

*.5 Credit*

*Prerequisites: Strongly recommended for grades 9-10*

Law-Related Education is a class designed to provide opportunities to develop an understanding of legal rights and responsibilities. Discussion of practical, everyday criminal and civil legal problems will accompany projects created to enhance abilities to analyze, evaluate, and resolve legal disputes. Students will have an opportunity to meet community experts such as police, sheriff, public defender, district attorneys, and judges.

### **Sociology**

*.5 Credit*

Sociology explores important societal factors such as cultural change and dynamics, group structure and function, social status and class, social behaviors, deviance, and racial relations. In addition social institutions including marriage and family, religion, and education will be covered.

### **AP American Government**

*1.0 Credit (American Government and Social Studies Elective)*

*Prerequisites: Teacher/Counselor Approval*

This course will give students an analytical perspective on government and politics in the United States. It will include the study of general concepts used to interpret U.S. politics and will require familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. The following topics may be covered: constitutional underpinnings of United States government; political beliefs and behaviors; political parties, interest groups, and mass media; institutions of national government; public policy; and civil rights and civil liberties.

### **AP United States History**

*1.0 Credit (US History and Social Studies Elective)*

*Prerequisites: Teacher/Counselor Approval*

This course provides students with the analytical skills and factual knowledge necessary to deal critically with the problems and material in United States history. Students will learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance. This course will provide students with learning experiences equivalent to that obtained in most college introductory United States history courses.

### **AP Human Geography**

1.0 Credits (Counts as Global Studies credit)

Prerequisites: Teacher/Counselor Approval

The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

The particular topics studied in an AP Human Geography course should be judged in light of the following five college-level goals that build on the National Geography Standards developed in 1994. On successful completion of the course, the student should be able to:

- Use and think about maps and spatial data
- Understand and interpret the implications of associations among phenomena in places
- Recognize and interpret at different scales the relationships among patterns and processes
- Define regions and evaluate the regionalization process
- Characterize and analyze changing interconnections among places

### **AP Psychology**

2 terms 1.0 credit

Psychology is the study of how the brain impacts human behavior. The first term of study will include the physiological basis of behavior; sensation and perception; states of consciousness; learning and memory; motivation and emotion; and stress and frustration. Second term study will look at the topics of developmental psychology; personality theory and measurement; language; thought and intelligence; abnormal behavior; psychotherapy and social psychology. The course culminates in the Advanced Placement Psychology Examination. All AP courses offer rigorous, college-level material and students are expected to be able to write and discuss the material at a mature level.

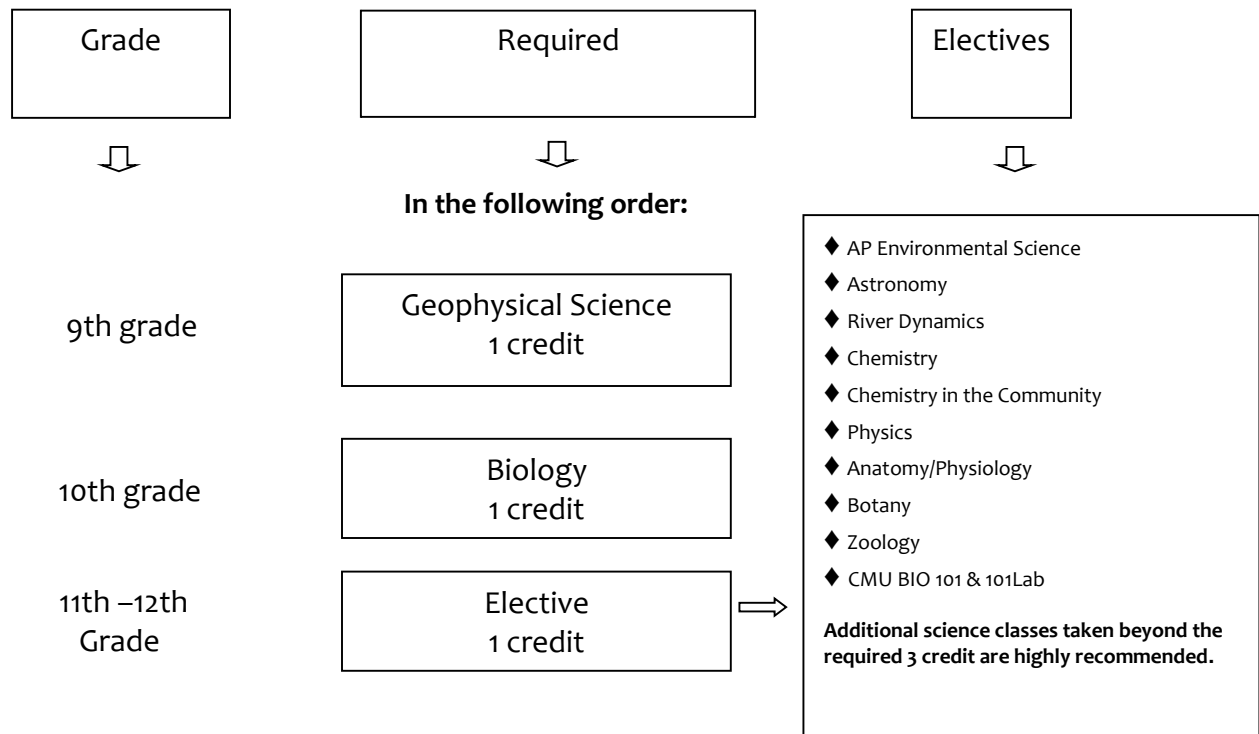
### **CMU US History 131 & 132**

1 Semester each

These dual-credit (concurrent) courses offer ½ credit at the high school level as well as 3 college credits transcribed at Colorado Mesa University for each semester enrolled. Juniors or seniors with a 3.0 or higher GPA and a qualifying 17 Reading score on the ACT or equivalent exam, can take either or both semesters.



# PHS SCIENCE CURRICULUM FLOW CHART



# SCIENCE

## COURSE LEVEL 9

### Geophysical Science

1.0 Credit

Prerequisites: None

This course integrates the standards of Physical and Earth Science in a cohesive approach in which student's complete activities that show real world connections between the two disciplines. It is a lab based course covering topics in chemistry, energy & heat transfer, atmosphere, climate & oceans, natural resources, Earth processes, Earth's history, and astronomy.

### Geophysical Science - Honors

1.0 Credit

Prerequisites: Recommendation or Pre-IB

Honors Geophysical Science will give students the opportunity to go into greater detail on topics covered, as well as give students increased responsibility toward quality of work done in and out of the class. **This course is heavy in the concepts of General Chemistry and serves as a Pre-Requisite for our IB Science courses.** After the Chemistry topics are learned, the course then works to integrate the standards of Physical and Earth Science in a cohesive approach in which students complete activities that show real world connections between the two disciplines. It is a lab based course covering topics in atomic structure, solution chemistry, fluids, buoyancy, motion, velocity, machines, and gravity as well as their interaction with space, weather, natural resources, and the chemical and physical changes that influence and change the Earth's surface and interior.

## COURSE LEVEL 10

### Biology

1.0 Credit

Prerequisites: Geophysical Science

Biology is the study of the characteristics of living organisms. Through class discussions and laboratory investigation the student will explore the relationships of life forms. This course examines human relationships, interactions, and impacts on the environment. The students will be encouraged to become problem solvers and apply the basic background knowledge of the course. The class is intended to form a foundation for additional science courses and serves as the prerequisite for further science study. All students will benefit from studying biology for their careers and daily life.

### Honors Biology

1.0 Credit

Prerequisites: Geophysical Science or Honors Geophysical Science or Pre-IB

Honors Biology is an investigation of the characteristics of living organisms and their interdependence; covering the chemistry of life, cell biology, cell cycles, heredity, evolution and classification, energy and reproduction in living systems, ecology, and human anatomy and physiology. Through class discussion,

laboratory experiments, and content analysis, students will investigate the relationships of life forms. Honors Biology will give students the opportunity to explore in greater detail the topics covered in the standard biology class, as well as give students increased responsibility toward the quality of work completed both in and out of class. This course will provide the rigor necessary to prepare students for IB Biology and AP Biology, and expand their knowledge of the biological sciences.

## SCIENCE ELECTIVES

### **Astronomy**

1.0 Credit

*Prerequisites: Geophysical Science and Biology*

This course deals with a comprehensive study of the universe and its effects on our culture and lifestyles. Special topics included: recent planetary and galactic discoveries, celestial motions, cosmology, possibilities of extraterrestrial life, space station research and technological applications to everyday life. Application of concepts from varied science disciplines and other academic areas will also be stressed.

### **Chemistry**

1.0 Credit

*Prerequisites: Geophysical Science, Biology and Algebra I/Math 2 or Teacher recommendation*

Chemistry deals with the structure of matter. Emphasis is in chemical bonding, atomic structure, chemical equations, computations, and fundamental laws and theories. Laboratory experience will be used in the application of these topics.

### **Chemistry in the Community**

1.0 Credit

*Prerequisites: Geophysical Science and Biology*

This course is designed for the non-science-related career-focused student. It is a topical approach to chemistry and includes studies in water, air, petroleum and nuclear technologies. Laboratory experiences are used to reinforce the topics. This course covers what every person should know about chemistry.

### **Geology**

1.0 Credit

*Prerequisites: Geophysical Science and Biology*

One quarter of this explores both physical and historical geology concepts through hands-on activities and field trips in preparation for the Paleontology section of this course taught in the second quarter. Paleontology will focus on comparative vertebrate anatomy, evolution in connection with geologic time, and behaviors of dinosaurs with a focus on our local historical population. Field work will involve observations of physical and historical geological processes that preserved fossils in the Grand Valley.

### **River Dynamics**

1.0 Credit

*Prerequisites: Completion of 2 science credits (GeoPhysical Science and Biology)*

Students will relate previously learned fundamental science concepts to field application. A major part of the class will involve collection and manipulation of data including biological, hydrological, atmospheric, and geological components. Students will be introduced to GIS/GPS, aerial photo interpretation, habitat and

resource management techniques, and other tools of the natural sciences. Students will be required to write managements plans, complete field data sheets, and read and interpret environmental case studies. This class will also focus on career opportunities and local environmental issues.

### **Physics**

1.0 Credit

*Prerequisites: Geophysical Science, Biology and Math 3 or Teacher recommendation*

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

### **Botany**

1.0 Credit

*Prerequisites: Biology*

Botany is a course that covers the diversity of plant life on earth. The structures and systems of the phyla of the plant kingdom will be studied. The relationship of plants to all forms of life will be examined. An appreciation for plant life, it value and impact on all living things will be emphasized. This class is designed to stimulate the student who enjoys the outdoors and growing plants.

### **Zoology**

1.0 Credit

*Prerequisites: Biology (Grade of "C" or higher recommended)*

Zoology is a survey of the animal kingdom with an analysis of systems relevant to their classification. The intention is to help students appreciate a variety of life forms and their unique and similar characteristics. It is intended for the student with a love of animals and a desire to expand knowledge of animal diversity. Dissection is an integral part of this course.

### **Anatomy and Physiology**

1.0 Credit

*Prerequisites: Biology, grade of B or higher recommended.*

In this course the major systems of the human body and their interactions will be explored. These systems will include the nervous system, skeletal system, circulatory system, respiratory system, muscular system and reproductive system. The functioning of each system from the cellular level to complete system will be examined using laboratory investigations and class discussions. This class is intended for students who plan a career in the health science fields. Dissection is an integral part of this course.

### **AP Environmental Science**

1.0 Credit

*Prerequisites: Geophysical Science or Teacher Recommendation*

The goal of the AP Environmental Science course 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.

**AP Biology***1.0 Credit*

This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. Some AP students, as college freshmen, are permitted to undertake upper-level courses in biology or to register for courses for which biology is a prerequisite. Other students may have fulfilled a basic requirement for a laboratory science course and will be able to undertake other courses to pursue their majors. AP Biology should include the topics regularly covered in a college biology course for majors. The textbooks used for AP Biology should be those used by college biology majors and the labs done by AP students must be the equivalent of those done by college students.

**CMU BIO 101 & BIO 101Lab: General Human Biology and Lab**

1.0 High School Credit plus 4 College-level credits transcribed at Colorado Mesa University

Prerequisites: 3.0 GPA, and a college-ready test score in ACT/PSAT Reading of 17/121. This class will cover scientific method, ecology, pollution, drugs, reproduction, cancer, heart disease, nutrition, and selected body structure and function relationships.

## PHYSICAL EDUCATION

### **PE I**

.5 Credit

*Uniform Required*

This course is centered around the development of popular Team Sports as well as basic knowledge of physical fitness and lifetime skills applications. Fundamental skill development, rule comprehension, offensive and defensive strategies and sportsmanship are taught for activities such as basketball, flag football, hockey, soccer, softball, and volleyball.

### **Weights**

.5 Credit per term

*Uniform Required. Prerequisite: PE I or II*

This course is designed to improve students' general physical condition and to provide students with knowledge of sound practices in developing strength, flexibility, safety principles, agility, and/or cardiovascular efficiency. Emphasis will be individualized as much as possible to meet each student's conditioning needs.

### **Team Train/Conditioning**

.5 Credit per term (also counts as PE credit)

*Uniform Required. Prerequisite: active participation in an extracurricular sport*

This course is designed for athletes. The course will include: weight lifting, ply metrics, conditioning, and a focus on specific skills.

### **Choice PE/ Lifetime Activity**

.5 Credit per term

*Uniform Required. Prerequisite: PE I or II*

Choice Based Lifetime Activities Class will be driven by the students choices of activities that will be offered each Quarter. Students will choose up to 3, three week courses from the following possible offerings.

Archery, Badminton, Basketball, Bowling, CPR, Field Games, First Aid, Flag Football, Fly Fishing, Gym Games, Golf, Hunter Safety, Lacrosse, Mat Games, Pickle Ball, Soccer, Softball, Table Tennis, Team Handball, Tennis, Walking Fitness, , Volleyball, Yoga ,

**\*\*Additional Fees and Transportation may apply to some courses choices.**

### **Dance**

.5 Credit per term

This is an introductory dance course. Students are introduced to basic steps as well as some history and dance composition. Ballet, Jazz, Modern, and Tap are just a few of the styles explored. Students are expected to choreograph a short dance as a final project.

### **Personal Fitness and Wellness**

.5 Credit

*Prerequisite: Freshman PE credit. This course meets the graduation requirement for fitness and wellness.*

The purpose of this activity based course is to (a) enable students to extend and apply their knowledge of the five fitness components: cardiovascular fitness, muscular strength, muscular endurance, flexibility and

body composition; (b) design, implement, and evaluate a personal fitness program; and (c) understand the influence of lifestyle choices on health and fitness.

## **BUSINESS EDUCATION**

### *EARN COLLEGE CREDIT FROM YOUR HIGH SCHOOL BUSINESS COURSES*

*The Advance Credit Pathway Project will award college-level credit to secondary students who complete curriculum from approved secondary Career and Technical Education programs at a “B” or higher level. These credits will be “banked” until the student is admitted to one of the Colorado System Community Colleges and may be applied to CTE certificates or degrees. Please see your Business Education teachers to learn more about how you can earn college credits on business courses taken in high school.*

### **Computer Applications**

*.5 Credit*

*THIS COURSE MEETS THE GRADUATION REQUIRMENT FOR COMPUTER LITERACY*

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

### **Personal Finance**

*.5 Credit*

*Prerequisite: Computer Applications and Core Math Credits*

*COURSE MEETS GRADUATION REQUIREMENT FOR FINANCIAL LITERACY & MAY BE TAKEN FOR .5 MATH CREDIT*

This course emphasizes life-long decision-making skills in personal financial management through exploring the economic way of thinking, calculating taxes, spending and budgeting, credit and debt, saving and investing, and types of insurance. This course will give a student hands-on experience through computer simulations, websites, and financial calculators, as well as a connection with real-world expertise through guest speakers.

### **Accounting I A & B**

*.5 Credit each term*

*Prerequisite: Core Math Credits*

*THIS COURSE MAY BE TAKEN FOR MATH CREDIT*

This course builds a basic understanding of manual and automated accounting principles and procedures. Students learn to analyze and record business transactions and prepare financial statements for businesses organized as proprietorships, partnerships, and corporations.

### **Business Work Experience (Independent Study)**

.5 Credit

*Prerequisite: Computer Applications AND Teacher/Coordinator Approval*

This classroom instruction supplements The Business Works Experience Program. It is designed to help students develop workplace skills valuable to any profession. Students will assess personal skills, abilities, and aptitudes and personal strengths and weaknesses as they relate to career exploration and development. Students complete projects to develop their workplace skills in area such as 10-key calculator, organization and filing procedures, reinforcement of writing and math skills, business ethics and etiquette and technology skills using Microsoft Suite. Students must satisfactorily complete this course to receive more than .5 credits for Business Work Experience (Work Program)

### **Business Work Experience (Work)**

.5 Credit per 60 hours

*Prerequisite: Computer Applications AND Teacher/Coordinator Approval*

This course is designed to supplement course work with practical paid work experience related to students' educational program and occupational objectives. Students acquire valuable workplace skills required to be successful on the job. Students will relate the importance of workplace expectations to career development. Students may take one semester BWE Work for .5 credits, but must satisfactorily complete the BWE Course to receive more than .5 credits for work.

### **Business Math**

.5 Credit

This course is designed to assist students in learning to use mathematics as a tool in their personal and business lives. Students will use whole numbers, fractions, decimals, percent, and linear equations to solve problems from a variety of applications. The emphasis in this course is problem-solving to develop critical thinking skills.

### **IB Business and Management SL/HL**

.5 Credit per term

*Prerequisite: Teacher Approval*

The IB Business and Management program is designed to give an understanding of business principles, practices, and skills. Emphasis is also placed on understanding technical innovation and day-to-day business functions of marketing, human resource management, and finance. Applied to the Business and Management program, it necessitates a style of teaching and learning based on integrating and linking the various modules to give a holistic overview by the end of the course. IB Business and Management is a rigorous and critical study of the ways in which individuals and groups interact in a dynamic business environment. We will explore how and why organizations are formed, roles of individuals and groups, and current challenges organizations face from social and technological changes



## VISUAL ARTS

**Note: Students may only take one Art class per term. All Art classes are considered Fine Arts electives. All classes are a 1/2 credit per term.**

### **Art I**

*.5 Credit per term*

Students in Art I will learn the Elements and Principles of Art (the building blocks of art), basic color theory, Art History as appropriate, and will work in a variety of media (materials) and formats. PLEASE NOTE: All Art I classes will focus on two-dimensional design skills and will be exercise and skill-building based. The work will be completed primarily in students' sketchbook journals. The students will have the opportunity to complete several larger art pieces and one three dimensional work.

### **Art II**

*.5 Credit per term*

Students in Art II classes will focus exclusively on learning, practicing and building DRAWING skills. Students will learn the tools and techniques they need to do accurate drawings – putting what they really see onto paper. Students will work in a variety of dry media (pencil, charcoal, pastel, chalk, etc.). Work in this class will be primarily completed in the students' sketchbook journals. The students will have the opportunity to complete several larger pieces.

### **Ceramics I**

*.5 Credit per term*

This course is an introduction to the use of clay and clay tools. Students will learn hand building as well as potters' wheel techniques. Students will learn to incorporate design and color theory into ceramic pieces. Students will also be introduced to different finishing techniques such as slips, stains, under glazes and glazes as well as a variety of firing techniques including pit firing, raku, and Cone 5 electric. Ceramic art history and evaluation techniques will be included.

### **3-D Design (Variety of Media)**

*.5 Credit per term*

In this course, students will explore the visual art form of sculpture. They will be utilizing the elements and principles of design and learning and applying sculptural principles while creating three-dimensional art pieces utilizing a variety of media. Materials students might use include clay, wire, plaster, paper Mache, paper/cardboard and found objects. Appropriate art history will be taught as well as critique skills and use of self-assessment of work.

### **Drawing & Painting I**

*.5 Credit*

*Suggested Prerequisites: Art I, II*

In this class students will focus exclusively on applying and expanding drawing skills learned in Art II and on beginning to learn how to paint in a variety of media, both dry and wet. There will be a balance between work in students' sketchbook journals and on larger pieces on paper and canvas, etc. Some of the media used will be pencil, ink, pastel, watercolor paint, tempera, acrylic, and collage. Other media will be introduced as appropriate.

**Photography**

.5 Credit

*Prerequisite: a digital camera*

In this course students will develop a compositional approach to photography. They will also learn how to use software to create their digital images. Students will need to have their own digital camera with a minimum of 6 megapixel resolution. Creativity and originality will be emphasized as well.

**Graphic Design**

.5 Credit

This class introduces students to the creative, technical and commercial aspects of an industry that currently employs millions people. Students gain basic skills in creative thinking, layout and design, topography, desktop publishing, teamwork and creative art.

**Film 1: The History of Film**

.5 Credit

This course focuses on the theatrical performances through History of film. The course will guide students through the Historical development of performances in Film from the early beginnings of the art form through modern times. Students will be required to assess the works studied via in class projects and Critiques.

**Film 2: Film Genres**

.5 Credit

This course focuses on the study of varied Genres in the film industry. The course will guide students through the development of Film styles ranging from Documentaries to Action. Students will be required to assess the works studied via in class projects and Critiques.

**IB Film Studies**

*.5 Credit each term – two year course  
open to all students*

Film is both a powerful communication medium and an art form. The IB Diploma Programme film course aims to develop students' skills so that they become adept in both interpreting and making film texts. Through the study and analysis of film texts and exercises in film-making, the course explores film history, theory and socio-economic background. At the core of the IB film course lies a concern with clarity of understanding, critical thinking, reflective analysis, effective involvement and imaginative synthesis that is achieved through practical engagement in the art and craft of film.

IB Film is a two year course that critically analyzes how verbal, visual, and written language work together to communicate messages. The course covers history of film and follows with close studies or textual analysis of television and film. There is a strong practical component with an emphasis on meticulous organization, close collaboration and creative intelligence including problem solving; students produce their own film(s).

**IB Visual Arts**

*.5 Credit each term – two year course*

*Suggested Prerequisite: Art 1 & 2,*

*Juniors & Seniors only, open to all students*

This class, although a part of the IB program, is open and available to any student who wishes to pursue art

at a higher level, both creatively and mentally. It has a strong emphasis on the research work book (Journal) and studio work with well-established and held to standards and requirements. This is a great class for anyone who is considering art as either a major or minor in college. Below is the official description of the IB Art class. The Visual Arts, Higher Level (HL) and Standard Level Option A (SLA) course will focus on the needs and goals of the IB student who has significant creative and imaginative abilities, and who wishes to focus his or her efforts more on the practical aspects of art with an emphasis on studio work. The Higher Level student in Visual Arts specializes in visual arts and may be interested in pursuing the visual arts at college or university level. The HL student in Visual Arts will devote 168 hours to studio work with an additional 72 hours dedicated to the Research Workbook—a body of work, visual and written, consisting of independent critical research and analysis of their own work and of the visual expressions of at least one other culture than their own. The SLA student in Visual Arts will support and supplement their studio work with a body of work (the RWB) in independent critical research and analysis in the student's culture and others. The ratio of studio work to research and analysis work hours in SLA will be 105:45.

### **CMU ARTE101 : Two-Dimensional Design**

One Term earns .5 High School Credit plus 3 College Credits

Prerequisites: Teacher approval (Mrs. Raper), 3.0 GPA and a college-ready test score in ACT/PSAT Reading of 17/121, plus an ICAP that involves art. The class explores the principles of form and function in two-dimensional design with an emphasis on color and use.

## **PERFORMING ARTS**

**Note: All Music classes are considered Fine Arts electives**

### **Advanced Women's Choir**

*.5 Credit per term/entire year participation is strongly encouraged*

*Pre-requisite: Audition/Permission of the Instructor (10-12)*

*\$10 Participation Fee and Cost of Performance Wear*

This choral ensemble is designed for an auditioned group of advanced choral students that will study and perform a wide variety of choral literature including styles from the Renaissance through 21st century.

Two, three, and four-part music will be studied. Music theory, sight singing, and ear-training instruction are provided. Public performances outside of class are part of this course and attendance/participation is required.

### **Intermediate Women's Choir**

*.5 Credit per term/entire year participation is strongly encouraged*

*Pre-requisite: Audition/Permission of the Instructor (9-12)*

*\$10 Participation Fee and Cost of Performance Wear*

This auditioned course is intended for singers who have demonstrated an intermediate-level musical ability and a desire for advanced instruction and performance in choral singing. Unison, two-part, and three-part literature of many genres will be studied. Music theory, sight singing, and ear-training instruction are

provided. Public performances outside of class are part of this course and attendance/participation is required.

### **Beginning Women's Choir**

*.5 Credit per semester/entire year participation is strongly encouraged*

*\$10 Participation Fee and \$10 Robe Cleaning Fee*

This class is provided for women who wish to become familiar with the fundamentals of choral music at the high school level. Unison, two, three-part music will be studied. Music theory, sight singing, and ear-training instruction are provided. Public performances outside of class are part of this course and attendance/participation is required.

### **Men's Choir**

*.5 Credit per term/entire year participation is strongly encouraged*

*\$10 Participation Fee and Cost of Performance Wear*

This class is provided for men who wish to become familiar with the fundamentals of choral music at the high school level. Unison, two, three-part music will be studied. Music theory, sight singing, and ear-training instruction are provided. Public performances outside of class are part of this course and attendance/participation is required.

### **Jazz and Show Choir**

*.5 Credit per quarter/entire year participation is strongly encouraged*

*Prerequisite: Audition/Permission of the Instructor (10-12)*

*\$10 Participation Fee and Cost of Performance Wear*

Jazz and Show Choir is an auditioned group of students, both male and female, that will study and perform a variety of literature from vocal jazz to music theatre. Public performances outside of class are part of this course and attendance/participation is required.

### **Marching Band**

*.5 Credit per term*

Marching Band is open to all students; prior marching experience is not necessary. The band performs for local parades and civic functions as well as local and state festivals and for home football games, parades and pep rallies. Major emphasis of this class deals with preparation of precision field drills while performing quality music for performance and contest. This band will meet at designated times (before school begins and after the usual school day hours). Attendance at rehearsals and public performances outside of class are a major part of this course and are required as part of the grade. (Please note: because of its historical significance, sacred and/or patriotic music is occasionally performed in this band. Members electing not to participate in works of this nature will be required to complete alternative assignments as determined by the director.)

### **Symphonic Band**

*.5 Credit per term*

*Prerequisite: Prior experience in reading music and playing an instrument.*

This course is designed to further the students' knowledge and skill levels acquired in previous band experiences. **It is the center piece of the band program.** Strong emphasis will be placed on the development of individual skills. Further, this class will focus on the fundamental knowledge of music theory and music history necessary for individual development as a musician. Rehearsals, performances, and travel

outside of class will be a part of this course and are required as part of the grade. This band performs at concerts and festivals. (Please note: because of its historical significance, sacred and/or patriotic music is occasionally performed in this band. Members electing not to participate in works of this nature will be required to complete alternative assignments as determined by the director.)

**Full year participation is encouraged.**

### **Concert Orchestra**

*.5 Credit per term*

*Prerequisite: Permission of the instructor. Beginning students may enroll with teacher approval*

This course is open to all experienced violin, viola, cello and string bass students and is required by all freshman. Emphasis in this class will be placed on string orchestra and ensembles with the possible inclusion of winds and percussion for a full orchestra. Public performances outside of class are part of this course and attendance is required as part of the grade. (Please note: because of its historical significance, sacred and/or patriotic music is occasionally performed in this class. Members electing not to participate in works of this nature will be required to complete alternative assignments as determined by the director.) Members will need to purchase or rent concert attire.

Full year participation is encouraged.

### **Symphonic Orchestra (Advanced)**

*.5 Credit per term*

*This is a Zero Hour Course. (6:30am-7:20am)*

*Prerequisite: Permission of the instructor.*

This course focuses on excellence in string performance. Chamber orchestra students will be chosen from this group. Emphasis on this class will be on string ensemble, chamber orchestra, and symphonic orchestra, which include winds and percussion. Students must demonstrate a high level of string technique. Performances and rehearsals outside of class are part of this course and attendance is required as of this grade. If students choose to be in both orchestras, only one fee is required. (Please note: because of its historical significance, sacred and/or patriotic music is occasionally performed in this class. Members electing not to participate in works of this nature will be required to complete alternative assignments as determined by the director.) Members will need to purchase or rent concert attire.

Full year participation is encouraged.

### **Jazz Ensemble - 7<sup>th</sup> Period and 8<sup>th</sup> Period**

*.5 Credit per term*

*Prerequisite: Audition for 7<sup>th</sup> period and membership in one of the concert bands. 8<sup>th</sup> period jazz ensemble does not require an audition.*

*Full year participation is encouraged*

Jazz Band allows the student to increase his or her musicianship through the study of the American musical Idiom of Jazz. Students will learn skills in improvisation, interpretation and creation of this unique musical form in accordance to the adopted music standards. Piano, guitar and bass players need not be members of a concert band; however, they must audition and be able to read musical notation. Rehearsals and public performances outside of class are a part of this course and are required as part of the grade. (Please note: because of its historical significance, sacred and/or patriotic music is occasionally performed in this band. Members electing not to participate in works of this nature will be required to complete alternative assignments as determined by the director.) Members will need to purchase or rent concert attire.

**Jazz Ensemble Advanced - Zero Hour**

*.5 Credit per term*

*Prerequisite: Audition only and membership in one of the concert bands.*

Jazz Band allows the student to increase his or her musicianship through the study of the American musical Idiom of Jazz. Students will learn advanced skills in improvisation, interpretation and creation of this unique musical form in accordance to the adopted music standards. Piano, guitar and bass players need not be members of a concert band, but must audition and be able to read musical notation. Rehearsals and numerous public performances outside of class are a part of this course and are required. Attendance is mandatory. (Please note: because of its historical significance, sacred and/or patriotic music is occasionally performed in this band. Members electing not to participate in works of this nature will be required to complete alternative assignments as determined by the director.) Members will need to purchase or rent concert attire.

**IB Music**

*.5 Credit per term*

*Prerequisite: Permission from instructor and prior experience playing an instrument or singing in an organized performance ensemble. Open to all students.*

The aims of the IB Music program are to:

1. Give students the opportunity to explore and enjoy the diversity of music throughout the world.
2. Encourage students to develop perpetual skills through a breadth of musical experiences, where they will learn to recognize, speculate, analyze, identify, discriminate, and hypothesize in relation to music.
3. Enable students to develop creatively their knowledge, abilities and understanding through performance and composition.
4. Assist students to develop their potential as musicians both personally and collaboratively, in whatever capacity, to the full.

**Acting I & II – (Beginning & Advanced)**

*.5 Credit per term*

This course offers, through literature and activities, the fundamentals of analysis, rehearsal, and performance of dramatic roles. Students work individually and in groups exploring styles and methods of acting and analyzing characters through the study of plays and improvisational activities, as well as practicing and performing dramatic presentations.

**Forensics II –(Creative Speech)**

*.5 Credit per term*

*Also fulfills the Speech requirement*

This course is designed for the student willing to apply extra effort in the mastery of speaking and creative

presentation skills. Students will study and practice each of the speech events in which the PHS Forensics team competes (other than debate which is taught in Forensics I). In this course students will be given many opportunities to improve their speaking and communication skills. The students will work toward personal excellence at all times.

**Play Production 1 & 2(advanced):**

*.5 Credit per term*

This “hands-on” course introduces the student to the many aspects of theatrical production. Activities range from reading and writing scripts, to designing and producing settings and costumes, to character analysis and criticism. Students explore the interrelationships of script, performance and staging, with an emphasis on the organization and teamwork needed for successful quality productions.

**1<sup>st</sup> term** - All students are required to act and build – One Acts

**2<sup>nd</sup> term** - Students will be doing all the production aspects such as building. Acting is not required.

**3<sup>rd</sup> term** - Students will be doing all the production aspects such as building. Acting is not required.

**4<sup>th</sup> term** - All students are required to act and build – short comedy.

**Theater Arts I:**

In this course students experience a wide range of dramatic literature and explore theater traditions. Students will read, analyze, and discuss dramatic selections and experiment with creating dramatic literature. Students are required to attend one live play or musical during the term.

**Theater Arts II: (Fine arts credit)**

In this course students will watch and review movies that changed and shaped culture.

## WORLD LANGUAGES

### **Spanish I**

1.0 Credit

*Note: Spanish I should not be taken by heritage speakers of Spanish. They should begin at least in Spanish III.*

Language study focuses on the student in the context of daily life. The student learns the sounds vocabulary, structures, and gestures necessary to express survival need and basic courtesies, implementing present and near-future tenses. The student acquires active vocabulary for classroom situations, social encounters, and leisure-time activities. Students will use the target language whenever possible.

The student:

- asks and responds to simple questions and narrates using memorized vocabulary and easily manipulated structures with increasing spontaneity and flexibility
- reads simple passages which recombine learned vocabulary and structures
- writes short passages on familiar topics using learned vocabulary and structures.

Within a cultural context, the geography and basic traditions of target-language countries, as well as highlights of major cities, are introduced to the student.

### **Honors Spanish I**

1.0 Credit

*Prerequisite: Strong recommendation from middle school Spanish teacher or IB candidacy*

This class will cover twice the material as the regular Spanish I, with a more intense focus on internationalism, culture and literature. Some outside reading required.

### **Spanish II**

1.0 Credit

*Prerequisite: Spanish I or Teacher recommendation*

*Note: Spanish II should not be taken by heritage speakers of Spanish. They should begin at least in Spanish III.*

The student discusses familiar topics in greater detail. Vocabulary is expanded and new structures are introduced. In addition, the student discusses and describes past events. Both in speaking and in writing, the student produces original sentences and expresses personal thoughts. As listening skills improve, the student comprehends language spoken at an increasingly faster pace. The target language is employed with increasing frequency. The student reads selected authentic materials including magazine articles and edited passages. Cultural study focuses on typical customs and major historical events.

### **Spanish III/Honors II**

1.0 Credit

*Prerequisite: Honors Spanish I, Standard Spanish I and II, Teacher recommendation.*

This class will continue where Honors/pre IB Spanish I, or Spanish II left off. The target It will help students continue with conversing with increased spontaneity and will help them write in greater detail about a number of topics. Past, present and future tenses, as well as compound tenses and the subjunctive are introduced and utilized in controlled contexts. Vocabulary is expanded to provide greater flexibility of



expression. language is the principal means of communication in class. Continued study enhances cultural awareness and sensitivity. This course will prepare the Honors II student for the Junior IB I coursework.

### **Spanish IV**

1.0 Credit

*Prerequisite: Spanish III or Teacher Recommendation*

The student communicates in both familiar and unfamiliar situations with increased proficiency and confidence, handles complex situations more competently, initiates and sustains conversation. Student communication approximates native expression through use of a variety of tenses and more precise vocabulary. The target language is employed almost exclusively. The student reads a greater variety of authentic materials including edited literary works. Cultural awareness and sensitivity continue to develop as the student focuses on the subtleties of foreign culture.

### **Spanish for the Native Speaker**

.5 Credit per term

*Prerequisite: Spanish speaker or for students who have finished Honors II/Spanish III and want to pursue further language skill.* The main focus of this class is literacy in Spanish wherein students will read, write and converse at their own levels in Spanish, progressing on to more complex material and literature. This class is a good stepping stone to AP Spanish Language

### **AP Spanish Language**

1.0 Credit

*Prerequisite: Spanish 4 or teacher recommendation*

This class will continue to build on the four language skills: reading, writing, listening and speaking. It will continue to build vocabulary and grammatical and verbal mastery. This class will prepare students to take the AP Spanish Language exam and will help them become both biliterate and bilingual in Spanish at the university level. Students who successfully complete this class will earn high school credit. Those who earn a passing score on the national AP exam may also earn university credit (credit is up to the discretion of the individual university).

### **French I**

1.0 Credit

Language study focuses on the student in the context of daily life. The student learns the sounds, vocabulary, structures, and gestures necessary to express survival needs and basic courtesies, implementing present and near-future tenses. The student acquires active vocabulary for classroom situations, social encounters, and leisure-time activities and employs the target language whenever possible. The student will be able to ask and respond to simple questions using memorized vocabulary and easily manipulated structures. The student will also be able to write short passages on familiar topics using learned vocabulary and structures.

The student:

- asks and responds to simple questions and narrates using memorized vocabulary and easily manipulated structures with increasing spontaneity and flexibility.
- reads simple passages which recombine learned vocabulary and structures.
- writes short passages on familiar topics using learned vocabulary and structures.

Within a cultural context, the geography and basic traditions of target-language countries, as well as

highlights of major cities, are introduced to the student.

### **French II**

1.0 Credit

*Prerequisite: Successful completion of French I and teacher recommendation*

The student discusses familiar topics in greater detail. Vocabulary is expanded and new structures are introduced; in addition, the student discusses and describes past events. Both in speaking and in writing, the student produces original sentences and expresses personal thoughts. As listening skills improve, the student comprehends language spoken at an increasingly faster pace. The target language is employed with increasing frequency.

### **Honors French I\* (teacher recommendation)**

1.0 Credit

This class will cover twice the material as the regular French 1, with a more intense focus on internationalism, culture and literature. Past, present, and future tenses will be taught and learned through practice, therefore students are expected to speak French for most of the class time.

### **French III/ Honors French II\*( French II or Honors French I)**

1.0 Credit

This class will continue where Honors/pre IB French 1, or French 2 left off. It will help students continue with conversing with increased spontaneity in basic French tenses and will help them write in greater detail about a number of topics. Compound tenses will be introduced and learned in controlled contexts. Vocabulary is expanded to provide greater flexibility of expression. French will continue to be the principal means of communication in class. This course will prepare the Honors II student for the Junior IB I coursework.

## **TECHNOLOGY EDUCATION**

### **Carpentry I**

.5 Credit per term

This course is designed to use tools, machines, and materials to manufacture products using resources, along with wood technology to develop skills and techniques in the more creative aspects of woodworking, are also part of the course. Drafting is also used in the research in preparing the projects for the course. Students will learn to visualize and to think precisely and creatively to improve their technical imagination. Communication and technology are brought together in the development of group or individual projects.

### **Carpentry II (Fine Woodworking)**

.5 Credit per term

This course is designed to use tools, machines, and materials to construct individual projects with wood. Using resources, along with wood technology to develop skills and techniques in the more creative aspects of woodworking are also part of the course. Drafting is also used in the research in preparing the projects for the course. Students will learn to visualize and to think precisely and creatively to improve their technical imagination.

**Construction Tech**

*.5 Credit per term*

Construction Tech is a program based on how homes are built. Learning types of building materials, applied math, measuring, blueprint drawing and reading, framing and roofing. Students will learn basic home building skills. Projects will include model homes and landscape architectural details.

## **FAMILY AND CONSUMER SCIENCES**

**Life Management**

*.5 Credit, Counts as Financial Literacy needed for graduation*

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

**Relationships**

*.5 Credit*

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

**International Cuisine**

*.5 Credit*

*Fee Required*

This course is designed to explore the traditions and customs of various cultures and prepare their authentic foods. Because of the hands on nature of this class consistent attendance is necessary for success.

**Child And Adolescent Development**

*.5 Credit*

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

**Culinary Nutrition**

*.5 Credit*

The purpose of this course is to develop lifelong, healthy individuals with an understanding of nutrition and healthy cooking techniques. Emphasis is placed on implementing good nutritional choices, preparing nutrient dense foods for optimal performance and practicing wise consumer decision making.

**Food Science**

1.0 Credit

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

**Prostart I & II**

2.0 Credit, Grades 11-12

*Prerequisite: Teacher recommendation*

*Fee Required*

This course is a two year school to career program sponsored by the National Restaurant Association. It provides training in the hospitality and restaurant industry. Opportunities will be provided to work with experts in the industry, experience paid internships, and earn college credit and scholarships. At the end of the program, students will be able to sit for the National Restaurant Association Exam. Because of the hands on nature of this class, consistent attendance is necessary for success.



# PHS Fee/Survival Information



<b>Content Area</b>	<b>Supply List</b>	<b>Fees</b>	<b>Homework Expectations / Other relevant information</b>
<b>Band</b>		Band Camp (including t-shirt) \$45 Band Class fee \$10 per section Marching Band Uniform fee \$30 Instrument rental \$75 Travel TBA Color Guard \$325-\$365	At-home practice, evening concerts/performances.
<b>Business</b>	<b>Computer Applications:</b> folder, flash drive (optional) <b>Accounting 1A/1B and Personal Finance:</b> folder, calculator	<b>Computer Applications:</b> \$10 lab fee <b>Accounting 1A/1B:</b> \$20 workbook fee	<b>Computer Applications:</b> grade level 9-12, graduation requirement <b>Accounting 1A/1B:</b> grade level 11-12, elective math credit <b>Personal Finance:</b> grade level 10-12, financial literacy requirement or elective math credit
<b>Orchestra</b>		<b>Orchestra Class fee \$15</b>	At-home practice, evening concerts/performances.
<b>English as a Second Language</b>	(1 of each) – 3-ring binder, spiral notebook, package of 20 pencils, large box of Kleenex, package of lined paper, set of 5 dividers	None	Read in English and first language. Use dictionary/picture dictionary and study 10 pages or 20 words per week. Practice by using the words in writing and speaking. Watch English TV or listen to English radio at least 1-2 hours per day.
<b>Family and Consumer Science</b>	Notebook/ folder, paper and pen/ pencil every day	<b>Culinary Nutrition, Food Science &amp; International Cuisine</b> - \$10 per quarter <b>Prostart</b> - \$40 - purchase of supplies/ groceries and replacement of breakage items. No fees for other classes	Very minimal homework as long as student stays on task during class and attends regularly.
<b>International Baccalaureate</b>	Notebooks, paper, pens, spiral notebooks	Only for AP classes, check with individual teachers	30 minutes to 2 hours nightly, depending on the time of year. Summer work assigned in special cases only.
<b>Intervention -Student Center</b>		Online Class fee \$25	
<b>Language Arts</b>	Teachers may distribute supply lists specific to their classes, but students should expect to need paper, writing utensils, and a notebook of some kind.	\$3 Fee per course. AP Language or AP Literature: \$15 per course.  Additional fees and expenses are often associated with honors, AP and IB classes (esp. for novels). Please reference those syllabi for details.	All students are expected to complete homework as assigned, for homework is an important part of student learning. Honors, AP, and IB students are often assigned summer work at the discretion of the teacher.

<b>Math</b>	3-ring binder, graphing calculator: TI84+ Silver Edition, paper for the binder, pencil, pen	Limited number of rental calculators available for \$25 per course. Fees used to pay for batteries and purchasing additional rental calculators.	Nightly homework. Students are responsible for asking questions and seeking assistance if concepts are not understood.
<b>Choir</b>	Black 3-ring 1" binder, pencil (w/ eraser), music/staff paper, notebook paper	<b>Choir:</b> \$15 participation fee <b>Women's Choir:</b> \$10 robe cleaning fee <b>Intermediate Women's Choir:</b> dress fee (approximately \$65 for new; rental option or used dresses may be available) <b>Men's Choir:</b> tuxedo fee (approximately \$90 for new tuxedo which includes tux coat, tux shirt, tux pants, tie and cummerbund; rental option may be available)	Ladies in Women's Choir are expected to wear a nice dress or blouse/skirt combination underneath their choral robe and stole along with black hosiery and closed-toed, black dress heels. Ladies in Intermediate Women's Choir are expected to wear the choral dress chosen for this choir as well as black hosiery and closed-toed, black dress heels. Gentlemen in Men's Choir are expected to wear choir tuxedo as well as black socks and black dress shoes.
<b>Theatre Arts</b>	Theatre Arts I and II, Forensics II, Dance, Acting: 1-1.5" binder with 5 dividers, paper, pen/pencil.	Theatre Arts I and II, Play Production, Acting: \$5 each term to pay for scripts used in class.	
<b>Physical Education</b>	Palisade P.E. uniform, tennis shoes and socks	PE shirt/shorts: \$8.00 PE Shirt/shorts set: \$15.00 PE or Weights class: \$ 5.00 Lifetime sports class: \$5.00 Personal Fitness/Wellness \$10.00	Excused absences have one week from the date of absence to make-up missed class, see teacher for specific details and required form.
<b>Science</b>	Highly variable and specific to individual classes for science, but generally need a writing tool, paper and likely a calculator.	\$20 – used for consumable lab items including but not limited to dissection specimen, glassware, chemicals, microscope repair, replacement and slides, and other lab materials.	Varies by class.
<b>Social Studies</b>	Teachers may distribute supply lists specific to their classes, but students should expect to need paper, writing utensils, and a notebook of some kind.	Only for AP classes, check with individual teachers	Varies by class.
<b>Technology Education</b>	Pencil	<b>Carpentry 2 Class</b> - \$20 base fee (only if you do your own project)	Eye protection is provided.
<b>Visual Arts</b>	All supplies covered by fees.	\$20 - covers all basic materials for each art class. This fee is for each class taken, not a one-time fee. \$8 for sketchbook.	Explore art wherever possible: galleries, museums, books, Internet, et cetera.

<b>World Language</b>	<b>French:</b> 2 spiral-bound notebooks, pen/pencils, desire to learn! <b>Spanish:</b> 1 spiral-bound notebook or 3-ring binder containing paper, pencils/pens, desire to learn! *A French/English dictionary or a Spanish/English dictionary is not mandatory, but very helpful.	\$20 for workbooks/novelettes/ materials In Spanish, this fee covers the consumable textbook which students keep and write in.	<b>French:</b> not much homework <b>Spanish:</b> some frequent homework, but never very lengthy. Unassigned, but vital, homework is to study vocabulary and structures daily for at least 10 minutes!
<b>All Students</b>		Class fee for all students = \$2, Newspaper fee for all students = \$1	

At the July Student Check-in, Students will be given their finalized schedule and this fee worksheet:

**PALISADE HIGH SCHOOL  
STUDENT FEES  
2014/2015**

*If you are in these classes, these fees are required.  
All fees are MCVSD51 School Board Approved.*

+SBA Student Fee Fee includes PHS planner/lanyard, ID Card, Paper Usage, Student Awards & Achievement, Diplomas, Tech Fee, etc.	90500		24.00
Athletic Activity Pass (Sticker for entry to all Home games) not playoffs	90005		15.00

+Senior Class Dues	2015	91115	2.00
+Junior Class Dues	2016	91116	2.00
+Sophomore Class Dues	2017	91117	2.00
+Freshmen Class Dues	2018	91118	2.00

+Newspaper Subscription	91985		1.00
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**ATHLETICS/ACTIVITIES**

Sport:	96005	(Family maximum \$500)	140.00
Sport:			
Forensics Team (Speech/Debate)	93470		110.00

**ART - PER CLASS**

Art I/II/Advanced/IB Visual Arts-L. Raper-per class	93080		20.00
3-D Design-L. Raper-per class	93080		20.00
Ceramics-L. Raper-per class	93080		20.00
Photography-L. Raper-per class	93080		20.00
Art I or II-Moore-per class	93082		20.00
Draw & Paint-Moore-per class	93082		20.00
Printmaking-Moore-per class	93082		20.00
Graphic Design-Moore-per class	93082		20.00

Student Name: \_\_\_\_\_

ID#: \_\_\_\_\_ Grade: \_\_\_\_\_ Date: \_\_\_\_\_

**PHYSICAL EDUCATION**

PE Shirt or Shorts only	93630		8.00
PE Shirt/Shorts Set	93630		15.00
PE Class Fee-per class	93600		5.00
Lifetime Sports -per class	93500		5.00
Advanced Golf	93530		60.00
Personal Fitness/Wellness-per class	93605		10.00
Weights /Team Training /Cond.-per class	93535		5.00

**SCIENCE**

Science-for each different class	93670		20.00
Science-for each different class	93670		20.00

**ENGLISH LANGUAGE**

AP English Language	93060		15.00
AP English Literature	93060		15.00
English Language Arts – Comp/Lit 9, 10, 11	93495		3.00

**YEARBOOK**

**\*\*PAYMENT MUST BE MADE TO  
RESERVE A YEARBOOK\*\***

Yearbook (Payment must be made by 12/19/2014 to get this price).	90800		60.00
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After Winter Break yearbooks cost \$75.00.

We do not sell yearbooks after Spring Break.

If any Yearbooks are left after the May distribution, the cost is \$80.00.

**TECH ED**

Carpentry II	93745	20.00
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**BUSINESS & COMPUTER**

Accounting Workbook – per year	93290	20.00
Computer Apps	93370	10.00

**FAMILY & CONSUMER SCIENCES**

International Cuisine –per class	93430	20.00
ProStart –per class	93650	20.00
Food Science – per semester	93425	20.00

**FOREIGN LANGUAGES**

French - per year	93457	20.00
Spanish - per year	93455	20.00

**PERFORMING ARTS**

Band-per class; Jazz, Symphonic, Wind Ensemble	93150	10.00
Marching Band Class and Uniform Cleaning	93150	25.00
Color Guard	93190	365.00 New 325.00 Returning
Theater Arts – per class	93825	5.00
Choir – per choir/per semester	93330	15.00
Orchestra – per class/per semester	93570	15.00

† Mandatory fee

Fees can be paid online at: [www.MyPaymentsPlus.com](http://www.MyPaymentsPlus.com)  
We now accept credit and debit cards.

**MISCELLANEOUS**

Parking Sticker	90275	15.00
NHS Dues	91830	10.00
Calculator Rental (Optional)	93320	25.00

**OTHER FEES**


Please note that this may not be the TOTAL for the school year.

**Total \$ \_\_\_\_\_**

**PAYMENT**

Check #	Amt.	Cash (v)	Amt.	Total Amount Pd.	Balance Owed

Received by: \_\_\_\_\_

White – Accounting Office      Yellow – Student/Parent      Revised: 05/14

**Disclaimer:** We work very hard to tally your students' fees at the beginning of the school year. However, sometimes we miss some fees due to class changes, additional fees imposed during the school year, student schedule reviews, and human error. We apologize for any inconvenience.

## PHS Sports Programs

### Athletics

District 51 offers interscholastic programs in each of the following sports (these are the only sports for which District 51 awards varsity athletic letters):

#### Fall Season

Cheerleading/Poms  
Cross Country – Boys/Girls  
Golf - Boys  
Football  
Soccer - Boys  
Softball  
Tennis – Boys  
Volleyball

#### Winter Season

Basketball – Boys  
Basketball – Girls  
Swimming – Girls  
Wrestling  
Cheer/Poms

#### Spring Season

Baseball  
Golf - Girls  
Lacrosse – Boys/Girls  
Soccer - Girls  
Swimming - Boys  
Tennis - Girls  
Track & Field

In order for a student to participate in any interscholastic sport, he/she must complete each of the following: Affidavit of residence, insurance information, participation permission, transportation acknowledgement, annual physical examination, media release form, training rules contract and pay an athletic fee. These forms can be picked up at the athletic office at your school or on the school district website at [www.mesa.k12.co.us](http://www.mesa.k12.co.us). The fee for participation in an athletic activity is \$140 per sport. School District #51 spends, on average, over \$500 per athlete per sport season. The participation fee helps to cover expenses including, but not limited to, supplies/equipment, uniforms, transportation, officials, game workers, building/field costs and rental, salaries, travel expenses, etc...