

MURRIETA MESA HIGH SCHOOL

Course Catalog

2018-2019

HOME OF THE RAMS



RAM

Purpose

Responsibility

Integrity

Duty

Excellence

Pursue Your Passion... Leave a Legacy!

24801 Monroe Ave. Murrieta, CA 92562 (951) 677-0568
The MMHS catalog is also available on the school website @ www.murrieta.k12.ca.us/Domain/2117

REGISTRATION INSTRUCTIONS

1. Discuss course selections with parents/guardians, counselors and teachers to ensure that the course selection form is filled out accurately and completely. Parent/guardian must sign the course selection form.
2. Do not lose this booklet and course selection form. The course selection form describes your possible classes for next year.
3. Make sure the course numbers are accurate and that you write or print legibly.
4. Course selections are subject to instructor and space availability. Please list the maximum number of necessary elective choices on the course selection form.
5. Specialized classes (i.e. Leadership, Newspaper, Yearbook, Drama, Choir, Band, Cheerleading, Athletics, PLUS, AVID and some CTE courses) or any class that requires an application, try-out, audition, or interview, must have a signature from the appropriate teacher or advisor. Indicate elective selections on your form and put a notation that you have applied for a specialized course/program. Information about these specialized courses/programs will be distributed later in the school year and any necessary changes to your schedule can be made at that time.
6. Elective courses consist of one year-long course. Please refer to the course catalog for course prerequisites. Students must take year long UC/CSU approved courses to meet UC/CSU entrance requirements.
7. Students with an Individualized Education Plan will have their schedule developed through the IEP process/case carrier.
8. Course selection at MMHS will be done completely through Aries Grade Portal. <http://ariesnet.murrieta.k12.ca.us/> Students must have an activated student account. If students need an authorization code, they need to go to student services to obtain a code. Course selection information and instructions will be given once the student is logged onto Aries Grade Portal which is on the MMHS web page. <http://www.murrieta.k12.ca.us/Domain/2117>
9. Students must have their forms completed and ready to turn in when they meet with their counselor.

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MMHS Graduation Requirements for Diploma

Minimum Eligibility Requirements for University Admission
(refer to the UC a-g list on page 6 for all courses)

California State University

University of California

English	4 years 40 credits	4 years	4 years
Math	3 years 30 credits Algebra I/Math I required	3 years—Algebra I/Math I, Geometry/Math II and Algebra II	3 yrs required/4 yrs recommended Algebra I/Math I, Geometry/Math II, Algebra II, and any advanced math course
Science	3 years 30 credits (1 yr. life 1 yr. physical) (1 yr. additional)	2 years of lab science required Biology, Chemistry	2 yrs required/4 yrs recommended Biology, Chemistry, and any advanced science course
Social Science/ History	3 years 30 credits (1 yr. Wld History) (1 yr. U.S. History) (1 yr. Gov/Econ)	2 years— World History and U.S. History	2 years—World History and U.S. History
World Languages	1 year 10 credits	2 years of the same World Language	2 years of the same World Language 3 yrs recommended
Visual/ Performing Arts	1 year 10 credits	1 year of the same UC approved Visual/Performing Arts *refer to the UC a-g list (page 5)	1 year of the same UC approved Visual/Performing Arts *refer to the UC a-g list (page 5)
Physical Education	2 years 20 credits	Not required	Not required
Health ICT Career Literacy	1 semester 1 semester 10 credits		
Electives	50 credits	Academic Electives: refer to the UC a-g course list (page 5)	1 year required from the UC a-g course list (page 5)
Total	230 Credits		

1. **MMHS Graduation requirements:** Successfully complete and pass 230 credits as indicated above.
2. **Perform Community Service:** Students must complete 40 hours of volunteer work in approved non profit community service projects/programs. Students are encouraged to exceed the 40 hours minimum requirement in an area of particular interest.
3. **Demonstrate Proficiency in Algebra I/Math I: Algebra I/Math I is a graduation requirement.** In order to advance to Math II/Algebra II/Trigonometry, students must demonstrate proficiency in Algebra I /Math I.
4. **Successfully Complete a Senior Culminating Project:** Students must successfully complete a reflective essay and an oral exit interview presentation on personal, career and life goals that exhibits the students creative ability, critical thinking and communication skills and demonstrate a clear understanding of the essential processes needed to achieve their career and life goals.

NOTE: Colleges and universities do not recognize 'D' grades. Courses with 'D' grades will need to be repeated for a higher grade. Check with your college or university for specific entrance requirements

**DISTRCT APPROVED COLLEGE PREPARATORY COURSES
OFFERED AT MURRIETA MESA**

The following courses meet University of California admission requirements

(a) HISTORY

Modern World History
AP European History
AP World History
US History
AP US History
US Government (sem.)
AP Government/Politics
AP Human Geography

(b) ENGLISH

English I/English I—SDAIE
English I Intensive
Advanced English I
English II
Advanced English II
English III
College English 92
Expository Reading and Writing 11
CSU Expository Reading and Writing 12
AP English Language and Composition
AP English Literature and Composition

(c) MATHEMATICS (*May be used only for the 'c' req.)

Integrated Math I
Integrated Math II
Integrated Math III
Adv. Integrated Math I
Adv. Integrated Math II
Adv. Integrated Math III
Advanced Algebra with Financial Applications
MRWC (Math IV "Pre-Calculus")
Probability and Statistics
Calculus
AP Statistics
AP Calculus AB
AP Calculus BC

(d) LABORATORY SCIENCE

Life Science
CP Biology
Medical Biology
Chemistry
Medical Chemistry
Anatomy and Physiology
Advanced Biomedical Science
Physics
AP Biology
AP Chemistry
AP Environmental Science
AP Physics B

(e) WORLD LANGUAGES

American Sign Language I
American Sign Language II
American Sign Language III
American Sign Language IV
French I
French II
French III
French IV
AP French
Chinese I
Chinese II
Chinese III
Chinese IV

AP Chinese Language and Culture
Spanish for Spanish Speakers I
Spanish for Spanish Speakers II
Spanish I
Spanish II
Spanish III
AP Spanish Language and Culture
AP Spanish Literature and Culture

(f) VISUAL AND PERFORMING ARTS

Advanced Dance Choreography/Production
Advanced Chamber Choir
Advanced Chorale
Advanced Concert Orchestra
Advanced Drawing and Painting
Advanced Marching/Concert Band
AP Studio Art
AP Art History
AP Music Theory
Art I and Design
Ceramics I
Ceramics II
Dance I
Dance II
Drama I
Drama II
Drama III
Drama IV
Graphic Design I (Introduction to Digital Graphics)
Graphic Design II (Computer Graphics)
Men's Ensemble
Women's Ensemble
Multimedia I
TV/Digital Video /Filmmaking
Advanced TV Digital Video
Wind Ensemble
Video Game Design I
Yearbook Design

(g) ELECTIVE COURSES [Advanced courses listed on a school's "a-g" course list in the "a-f" areas that are above and beyond the minimal requirements for that subject area (e.g., Pre-Calculus, Spanish III, Wind Ensemble), may also be used by a student to fulfill the elective requirement]

AVID Senior Seminar
Cinema as Literature
Earth Science
Economics (sem.)
Engineering Concepts and Applications II
Environmental Horticulture
Environmental Science
Life Science
AP Macroeconomics
Marine Biology
Multimedia II
Multimedia III
Our Sustainable Future
Psychology
AP Psychology
Web Design & Development I (pending)
Yearbook
AP Computer Science Principles

**Please refer to the UC website for further information: <https://doorways.ucop.edu>

Murrieta Mesa United Student Body

The leadership program at Murrieta Mesa is designed to serve three critical needs: the improvement of self, school, and community. Throughout the year, leadership students will do the following, develop personal and group S.M.A.R.T. goals, utilize organizational skills, gain *inter* and *intrapersonal* skills necessary to be a successful leader, develop effectiveness in both small and large groups, refine communication skills (written and oral), understand aspects of public relations, implement time management skills, understand and apply parliamentary procedures, understand and develop a service learning model, business marketing strategies, and implement financial and accounting practices.

Students take active and visible leadership roles in the Mesa community by using the above listed skills. These events include: developing and promoting a positive school climate with P.R.I.D.E., supporting the 4 A's - Academics, Athletics, Arts, and Activities on campus, enhancing the community and school through service learning projects, and working to solve problems within the school and community. Students are required to maintain a 2.5 GPA while part of this program. Students must submit an application and complete an interview for acceptance into the Leadership program.

While students meet in the classroom setting, the majority of the practical learning situations are held outside the class period and regular school day.

Why purchase a USB card?

All monies raised by the purchase of the USB card goes directly back into the student body. Funds raised are used for student recognition, campus improvements, club and athletic support, pep rallies and school dances.

There are many incentives for purchasing a USB card:

- Free admittance to all HOME athletic events (excluding playoffs)
- Free pictures (downloads) from the major dances on campus
- Discounts for School Events (dances, plays, etc...)
- Discounted price for Yearbook
- Discounts in the Student Store
- Community Discount Card included (hundreds of dollars in savings)
- If you would like to purchase a USB card, please go to Murrieta Mesa home page and click on the Rams Shack link

CLUBS AND ORGANIZATIONS

PERFORMANCE GROUP OPPORTUNITIES



- | | | | | |
|-----------------|--------------------------|----------|---------------------|----------------------|
| • Marching Band | • Concert Band/Orchestra | • Choirs | • Performance Corp | • NJROTC |
| • Cheer | • Dance | • Drama | • Ballet Folklorico | • PIDC/Ohana Ha'aheo |

CLUBS/ORGANIZATIONS

Murrieta Mesa High School offers a variety of clubs on campus. A Club Rush Day is held each semester in the courtyard where students can meet members and sign up for clubs of their choice. New clubs may be formed if they meet District guidelines and adhere to school club policies. Contact the Activities Director or a member of the USB cabinet if you wish to start a new club. Each grade level has a club that meets and fundraises. Below are a list of Murrieta Mesa clubs:

- | | | | |
|---|---|--|---|
| Academic Decathlon
ASL
Asian student Union
Aviation
AVID
Ballet Folklorico
Band Club
Be A Friend
Beast
Black Student Union
Buddy Bunch Club
Cal—HOSA
California Scholastic Federation
Catholic Club
Chinese Club
Cinema Nights
Class of 2016
Class of 2017
Class of 2018
Class of 2019 | Creative Writing
Dance Team
Drama
Debate Team/MUN
Des Art Graphics
Dr. Who and other Fandoms
Engineering/Robotics
Environmental
Equestrian Club
Fan Fiction
Fashion Club
Film Club
F.I.S.H.
Fleur-de-lis
Gay—Straight Alliance (GSA)
Habitat for Humanity
Helping Hands
Horticulture Club
Interact Club—Rotary
International Food Lovers | Key Club
Kinesiology Club
Lacrosse Club
Make A Wish Club
Men's Volleyball
Mountain Bike Club
Music Club
National Honor Society
NJROTC
Ohana Ha'aheo
One Week Friends
Patriot/Military
PAWS
Pink Ribbon
PLUS
Poetry
POWER | R.A.M.S.
RAMblers A Cappella
Relay for Life
Rising of Youth
Sand Volleyball Club
Self Defense
Shakespeare Society
Share the Harvest
Stampede
Student Venture
Tea Club
Tri-M Music Honor Society
United Way
Women's Running Society |
|---|---|--|---|

COURSE INFORMATION

Selecting appropriate courses for future goals is important. In planning for college, specific courses must be included to meet entrance requirements. Entering a particular career immediately after high school graduation may require preparation in other courses. After consulting with parents, counselors, and teachers, students should take time to make final choices.

1. Prerequisites

Many courses have a prerequisite or requirement that must be met prior to enrolling in that course. Students should check carefully to see that prerequisites for courses have been met and that courses are in the proper sequence.

2. Course Availability

Course selections are subject to instructor and space availability.

3. Repeating Courses

Students may repeat a course to improve a "D" grade, **BUT ADDITIONAL CREDITS WILL NOT BE ISSUED FOR A REPEATED COURSE.** Students cannot repeat a course in which a grade of "C" has been earned.

Some elective, physical education and performing arts courses may be repeated for credit. Contact your counselor for course specific information.

4. Grade Point Average

MMHS will update the transcript of every student at the completion of each semester. Included on this transcript are courses completed with grades and credits earned, and the current grade point average.

- a. Total GPA includes all subjects 9-12
- b. Academic 9-12 GPA includes all subjects **except physical education/athletics, NJROTC and TA**
- c. Academic 10-12 GPA is the CSU/UC GPA and includes all courses in grades ten through twelve **except physical education, athletics, NJROTC and TA.**
- d. Weighted and non-weighted GPA's are listed on each transcript.

Murrieta Mesa High School encourages students to take rigorous academic courses in high school. The grades earned in courses that are certified by the high school as Advanced Placement (AP) level courses will be given extra weight in computing GPA. Extra weight is only offered to those students who take the AP exam. Advanced Placement weighted grades will be counted as follows: A = 5 points, B = 4 points, C = 3 points.

5. Schedule Change Policy

To support academic success and MMHS' core value of all students learning, our goal in the counseling department is to have all students in appropriate classes as quickly as possible. Schedule changes will **only** be considered for the following four criteria:

- 1) An incomplete schedule
- 2) Course already completed
- 3) Prerequisite not met (includes level changes based upon prior academic performances)
- 4) Missing a graduation requirement

** Requests for schedule changes must be submitted to the appropriate counselor on the request form, and will not be accepted after the 5th day of the semester.

6. Withdraw/Fail Policy

We believe that students benefit from the learning that takes place in the classroom even in the case of a student who is failing the course. A withdraw/fail grade will be given to a student only as an administrative option in extreme circumstances. When this situation presents itself, the student will be removed from class with a grade of "WF". This grade will appear on the student's permanent transcript. The student will be assigned to attend On Campus Detention (OCD) for the remainder of the semester instead of attending the class in question. When a class is dropped after the twelve week point in the semester, a grade of "WF" will be assigned.

7. Classroom Performance Concerns

The MMHS staff is committed to provide an exemplary education for our students. We realize that the rigor of high school coursework places additional demands upon our students and that at times they may become frustrated with their classroom performance. When these situations present themselves, we encourage students and parents to schedule a meeting with the teacher of the class in question. If the problem or concern has not been satisfactorily addressed after meeting with the teacher, please contact the counselor and/or administrator and put those concerns in writing. A meeting will be scheduled with the teacher, counselor, and/or administrator to discuss those concerns and develop a plan for student success.

Murrieta Valley Unified School District Online/Hybrid Course Requirements and Offerings

MVUSD recognizes that online courses provide important opportunities for our students that will prepare them for the demands of the 21st century. Student success in an online course is dependent on many factors. Academic ability, reading skills, computer skills, habits of mind, parent support, and technology access are among these essential factors. It is highly recommended that students consult with the teacher of the online course they are considering taking and with their counselor before making a decision about enrolling.

Online courses match the content of our existing course offerings and have been designed to meet the rigor of our current courses while also providing substantial teacher-to-student and student-to-teacher interaction, with ongoing communication of expectations and progress with students and parents. Students must complete the Online Course Readiness Questionnaire and the Online Course Contract prior to enrollment. These can be found online at www.murrieta.k12.ca.us/page 123. Both documents must be signed by the student and his/her parent or guardian. Rigor, relevance and relationships are essential elements of an MVUSD online course.

Academic Ability: Much of the content of an online course is conveyed through written material. It is therefore important that students have strong analytical reading skills (proficient or advanced ELA scores on the CST are recommended).

Computer Skills: Students should be comfortable working with a computer, navigating a website, and downloading/uploading documents. Strong typing skills are a must. Students must be comfortable accessing and reading information on a computer for long periods, and have some basic ability to troubleshoot technical issues that may be encountered.

Habits of Mind: Online course work requires strong organizational and time management skills. Students must be independent, self-directed learners who are capable of staying on task while working from home, managing assignment due dates, and asking for help when they need assistance. Students must access the course on a daily basis and check email regularly for communications from the teacher.

Parent Support: Parent/guardian support is important to the success of online students. Parents must be aware of the online requirements, monitor work habits and progress, and ensure appropriate technology access at all times. Students should have someone who can provide technical assistance as necessary.

Technology Access: Online students must have daily access to a computer with a high-speed internet connection and a processor capable of downloading/uploading streaming video and large multimedia files. The computer should be equipped with a word processor (preferably Microsoft Word), web browser, speakers, and a USB headset with microphone.

Ethics Policy: Online students are expected to complete their own work at all times. If a student breaks this code, then the Ethics Policy will be enforced, which will result in no credit for the assignment or test, and may result in the student being removed from the course.

Communication: Students must log into the course regularly, several times per week, to complete assignments. Students must also check the email provided to the teacher on enrollment in the course *on a daily basis* for messages or updates from the instructor. It is the students responsibility to contact the instructor should difficulties completing coursework be experienced. Parents/guardians should also be in frequent contact with the instructor and inform him/her of any concerns with the course or learning problems that arise.

Face-to-Face Meeting Requirements: Students are required to attend a minimum of three face-to-face meetings each semester. The first is for an orientation/introduction to the course, the second for the midterm exam and/or project, and the third for the final exam and/or project. Some courses may require additional face-to-face meetings. See instructor for more information about an individual course's face-to-face meeting requirements.

Prior to enrollment, students must complete the “*Online Course Readiness Survey*” and a parent or guardian must complete the “*Support for Online Learning Survey*.” Once both surveys are completed and reviewed by the site online course coordinator, a student is eligible to enroll in an online course.

All courses are aligned to the California content Standards. Courses listed as meeting UC/CSU requirements are District and site administration approved courses that meet the noted requirement for admission to the UC/CSU systems.

Please see your counselor in order to inquire and/ or enroll in a hybrid course.

MURRIETA MESA HIGH SCHOOL

GRADE 9

Name: _____ Birth date: _____ Phone #: _____
 Last Name First Name Middle Initial
 Current School _____

LIST OF COURSE SELECTIONS FOR 2018-2019 You will need to select 7 classes.	Course selection online at https://aeriesnet.murrieta.k12.ca.us/
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***Note: Please complete this form in PEN and print neatly.** **Current course Grade and Teacher's Initials**
CIRCLE COURSE SELECTION NUMBER

1. English —	English I	1001	Adv. English I	1021	
2. Math —	Math I	2212			
	Adv. Math I	2213			
	Adv. Math II	2217			
3. Science —	CP Biology	3025	Medical Biology	3550	
4. Physical Ed —	PE 9	2700	NJROTC I	7985	
5. Health (semester) —		8075	Required		
ICT Career Literacy (semester) —		7560	Required		

SELECT TWO ELECTIVES FROM THE FOLLOWING OPTIONS

MINIMUM 8TH GRADE GPA OF 3.0 TO ENROLL IN A WORLD LANGUAGE

World Language Chinese I **4400** French I **4200** Spanish I **4100** Spanish II **4110** ASL I **4050** (limited space)
 Spanish for Spanish Speakers I **4150** (Spanish for Spanish Speakers with English teacher recommendation) _____
 Language Course Selection _____ Alternate Course Selection _____

PATHWAY ELECTIVES Pathway/Career of Interest _____

BUSINESS/ CULINARY	ENGINEERING/ COMPUTER SCIENCE	LIBERAL STUDIES/ EDUCATION	MEDICAL	VISUAL & MEDIA ARTS	PERFORMING ARTS
Business Principles & Management (7620) Intro Culinary (4361)	Drafting I (7700) Environmental Engineering I (3600) (minimum of Math I) Exploring Computer Science (7570)	Academic Seminar (5562)* AVID (1944) Renaissance (1934) Student Senate (1932) USB Leadership (1930) AP Human Geography (1918) Beast (5541)	Health Career I (5400) Medical Biology (3550)	Art and Design (6000) Graphic Design I (6040) Multimedia I (7750) TV Digital (7780) Web Design & Development (7551) Video Game Design (7553) (Minimum of Math I)	Drama I (6500) Drama II (6550) Men's Ensemble (7170) Women's Ensemble (7150) Adv. Marching/Concert Band (7200) Adv. Concert Orchestra (7216)

* Required for all students below a 3.0 GPA

Elective Selection # 1: _____ **Elective Selection # 3:** _____

Elective Selection # 2: _____ **Elective Selection # 4:** _____

Carefully choose all elective selections. Any of these electives could be on your schedule as a result of scheduling conflicts, courses not offered or full classes.

Course placement is based on final grades in prerequisite courses and SRI/SMI Data.

Are you interested in playing sports at Murrieta Mesa? If so, what sport _____

Important Information for Incoming Freshmen and Parents Class of 2022

- ⇒ In order to support the academic success of our incoming freshmen, all students who are below a 3.0 GPA will have Academic Seminar as one of their electives. This course meets MVUSD graduation requirements for elective credit. The focus of this course will be: goal-setting, organization skills, focused note-taking, critical thinking, higher level questioning, and college and career research. Students will receive academic support via trained teachers, peer academic tutors and college tutors. Students will have access to trips to local vocational and college sites, professional guest speakers and current college students. This course will provide students a bridge for high school academic success and a clear vision for their post-secondary goals. Students will gain the knowledge, skills and understanding of what is required of them to successfully pursue their college and/or career options. It will provide additional daily instructional time to be utilized as an instructional reinforcement opportunity between a collaborative teaching-team within the content areas.
- ⇒ **Registration Parent Night: February 20th at 7:00 pm Murrieta Mesa Performing Arts Center.**
- ⇒ **Log on to <https://aeriesnet.murrieta.k12.ca.us/parent> to fill out your course selection between February 21st to February 23rd opening at 6:30 am and closing at 8:00pm.**
- ⇒ **Information and a tutorial video can be found at: <https://www.murrieta.k12.ca.us/Page/22271>**
- ⇒ **Open House/8th grade Parent Rally Night is on March 12th in the Impact Center at 6:00 p.m.**
- ⇒ In addition to course selection on-line, students are required to turn in the 9th grade course selection form with teacher recommendation and parent signature. The forms are due at Shivela Middle School on March 13th & 15th. All other Middle Schools dates **TBD.**
- ⇒ **Athletic information please go to : <http://www.murrietamesaathletics.com/home>**

MMHS GRADUATION REQUIREMENTS

ENGLISH— 4 Years— 40 credits
 MATH— 3 Years— Math 1—30 credits
 SCIENCE— 3 Years—1 Life, 1 Physical, 1 additional 30 credits
 SOCIAL SCIENCE— 3 Years—30 credits
 WORLD LANGUAGE— 1 Year—10 credits
 PHYSICAL EDUCATION— 2 Years—20 credits
 VISUAL/PERFORMING ARTS— 1 Year—10 credits
 HEALTH /ICT Career Literacy— 1 SEM. EACH—10 credits
 GENERAL ELECTIVES—50 Credits

4-YEAR COLLEGE MINIMUM REQUIREMENTS (A-G)

SOCIAL SCIENCE— 2 Years
 ENGLISH— 4 Years College Prep
 MATH— 3 Years: Math 1, Math II, Math III
 SCIENCE— 2 Years Lab Science
 WORLD LANGUAGE— 2 Years of Same World Language
 VISUAL/PERFORMING ARTS— 1 Year
 COLLEGE PREPATORY ELECTIVE— 1 Year

- ⇒ **AP Contract required for any AP courses.**
- ⇒ **Contracts are available on line at: <https://www.murrieta.k12.ca.us/ Page /22271>**

Your signature below indicates you have reviewed and approved your student's course selection for the 2018-2019 school year.

Parent Signature

Student Signature

Date

Name: _____ Birth Date: _____
 Last Name First Name Middle Initial

MMHS GRADUATION REQUIREMENTS

ENGLISH— 4 years— 40 credits
 MATH—3 years—Math I—required—30 credits
 SCIENCE—3 years—1 Life, 1 Physical, 1 additional—30 credits
 SOCIAL SCIENCE— 3 years—30 credits
 WORLD LANGUAGE— 1 year—10 credits
 PHYSICAL EDUCATION— 2 years—20 credits
 VISUAL/PERFORMING ARTS— 1 year—10 credits
 HEALTH /ICT Career Literacy—1 SEM. EACH—10 credits
 GENERAL ELECTIVES—50 Credits

4-YEAR COLLEGE MINIMUM REQUIREMENTS (A-G)

SOCIAL SCIENCE— 2 years
 ENGLISH— 4 years College Prep
 MATH— 3 years: Math 1, Math II, Math III
 SCIENCE— 2 years Lab Science
 WORLD LANGUAGE— 2 years of Same World Language
 VISUAL/PERFORMING ARTS— 1 year
 COLLEGE PREPARATORY ELECTIVE— 1 year

LIST OF COURSE SELECTIONS FOR 2018-2019 You will need to select 7 classes.

Course selection online at
<https://aeriesnet.murrieta.k12.ca.us/>

*** Note: Please complete this form in PEN and print neatly.**

CIRCLE COURSE SELECTION NUMBER

1. English—	English II	1002	Adv. English II	1022
2. Math—	Math I	2212		
	Math II	2216		
	Adv. Math II	2217		
	Adv. Math III	2219		
3. Science—	Earth Science	3500		
	CP Biology	3025		
	Chemistry/Med.chem.	3525/3524		
	Anatomy/Physiology	3040	Environmental Horticulture	3030
4. Social Science—	Modern World History	1501	AP European History	1510
	AP World History	1503	AP Human Geography	1918
5. Physical Education—	Aerobics	2800	Court Sports.	2820
	Rec. Life	2840	Teamfield	2850
	NJROTC I	7985	NJROTC II	7986
			Dance I	7220
			Lifeguard	2797
			Body Comp.	2810
			Walking	2835
Course Selection _____	Alternate Course Selection: _____			
Athletic PE Sport: _____				

SELECT TWO ELECTIVES FROM OPTIONS BELOW AND ON PAGE 12

World	Spanish I (4100)	Spanish II (4110)	Spanish III (4120)	Sp. for Sp. Speakers I (4150)	Sp. for Sp. Speakers II (4160)
	AP Spanish Language (4130)				
Language	French I (4200)	French II (4210)	ASL I (4050)	ASL II (4060)	Chinese I (4400)
	Chinese II (4401)				
	Course Selection _____		Alternate Course Selection _____		

- ⇒ Log on to <https://aeriesnet.murrieta.k12.ca.us/parent> between Feb. 14th, 6:30 am and February 15th, 8:00 pm to select courses online.
- ⇒ Informational and tutorial video can be found at <http://www.murrieta.k12.ca.us/Page/22271>
- ⇒ Forms will be collected in your ICT Careers or Health Class on March 5th—March 9th.

PATHWAY ELECTIVES

Pathway/Career of Interest _____

BUSINESS/ CULINARY	ENGINEERING/ COMPUTER SCIENCE	LIBERAL STUDIES/ EDUCATION	MEDICAL
Accounting (7600) Business Principles & Management (7620) Sports & Ent. Marketing (7645) Intro. Culinary (4361) CTE Culinary Arts (7925) Multimedia I (7750) Multimedia II (7751) Web Design &Development I(7551)	Drafting I (7700) Drafting II (7710) Environmental Engineering I (minimum of Math I) (3600) Environmental Engineering II (3610) Exploring Computer Science (7570) AP Computer Science Principles (7571)	AVID (1945) Renaissance (1934) Student Senate (1932) USB Leadership (1930) Beast (5541)	Health Careers I (5400) Health Careers II (5402) Sports Medicine (2880) Psychology (1900) AP Psychology (1890) Medical Biology (3550) Medical Chemistry (3524)

VISUAL & MEDIA ARTS	PERFORMING ARTS
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Art I and Design (6000) Adv. Drawing & Painting (6030) Ceramics I (6060) Graphic Design I (6040) Graphic Design II (6050) Multimedia I (7750) Multimedia II (7751) Video Game Design I (7553) (Minimum of Math I)	TV Digital Video/Filmmaking (7780) Adv. Digital/Video (7781) (application) Yearbook (application) Web Design &Development I (7551) Yearbook Design (1875) (application) (2 year)	Drama I (6500) Drama II (6550) Drama III (6560) (instructor approval) Drama IV (6570) (instructor approval) Tech Theater I(6565)(instructor approval) Adv. Marching/Concert Band (7200) Advanced Concert Orchestra (7216) Wind Symphony (7204) (by audition) Guitar (7000) Performance Corp (2750) (by audition)	Women’s Ensemble (7150) Men’s Ensemble (7170) Adv. Chamber Choir (7105) (by audition) Adv. Chorale (7110) (by audition) Dance I (7220) Dance II (7230) Adv. Dance Choreography (7231) (by audition only)
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OTHER ELECTIVE CHOICES

Elective Selection # 1:	Elective Selection # 4:
Elective Selection # 2:	Elective Selection # 5:
Elective Selection # 3:	Elective Selection # 6:

- ⇒ AP Contract required for all AP courses.
- ⇒ Contracts are available on line at: <http://www.murrieta.k12.ca.us/Page/22271> or page 17
- ⇒ Please see your counselor in order to inquire and/or enroll in a online course through Murrieta Canyon Academy

Carefully choose all elective selections. Any of these electives may be on your schedule as a result of scheduling conflicts, courses not offered or full classes.

Your signature on this form indicates you have reviewed and approved your student’s course selection for the 2018-2019 school year. **Course placements are based on course/instructor availability and final grades in prerequisite courses.**

Parent Signature

Student Signature

Date

Name: _____	Birth Date: _____
Last Name First Name Middle Initial	

MMHS GRADUATION REQUIREMENTS ENGLISH— 4 years— 40 credits MATH— 3 years—Math I/Algebra 1 required—30 credits SCIENCE—3 years—1 Life, 1 Physical, 1 additional—30 credits SOCIAL SCIENCE— 3 years—30 credits WORLD LANGUAGE— 1 year—10 credits PHYSICAL EDUCATION—2 years—20 credits VISUAL/PERFORMING ARTS— 1 year—10 credits HEALTH /ICT Career Literacy—1 SEM. EACH—10 credits GENERAL ELECTIVES—50 Credits

4-YEAR COLLEGE MINIMUM REQUIREMENTS (A-G) SOCIAL SCIENCE— 2 years ENGLISH— 4 years College Prep MATH— 3 years: Math I/Math II, Math III SCIENCE— 2 years Lab Science WORLD LANGUAGE— 2 years of Same World Language VISUAL/PERFORMING ARTS— 1 year COLLEGE PREPARATORY ELECTIVE— 1 year

LIST OF COURSE SELECTIONS FOR 2018-2019
 You will need to select 7 classes.

Course selection online at
<https://aeriesnet.murrieta.k12.ca.us/>

*** Note: Please complete this form in PEN and print neatly.**
CIRCLE COURSE SELECTION NUMBER

1.	English—	English III 1018 AP English Lang 1005	Expository Read/Write 1028
2.	Math—	Math 90 2475 Math II 2216 Math III 2218 Adv. Math III 2219 Accounting 7600 MRWC (Math IV “Pre-Cal.”) 2355	Adv. Algebra with Financial 2215 Calculus 2390 AP Calculus AB 2400
3.	Science—	CP Biology 3025 Marine Biology 3010 Adv. Biomed 3555 Environmental Horticulture 3030 AP Biology 3031 AP Physics 3531	Chemistry / Medical Chem 3525/3524 Anatomy/Physiology 3040 Physics 3530 Environmental Science 3100 AP Chemistry 3528 AP Environmental 3101
4.	Social Science—	United States History 1600	AP United States History 1601

SELECT THREE ELECTIVES FROM OPTIONS BELOW AND ON PAGE 14

World Language—	Spanish I 4100	Spanish II 4110	Spanish III 4120
		Sp. for Sp. Speakers I 4150	Sp. for Sp. Speakers II 4160
		AP Spanish Language 4130	AP Spanish Literature 4133
	ASL I 4050	ASL II 4060	ASL III 4070
	French I 4200	French II 4210	French III 4220
	Chinese I 4400	Chinese II 4401	Chinese III 4402

Physical Education—	Aerobics 2800	Court Sports. 2820	Dance I 7220	Dance II 7230
	Rec. Life 2840	Team field 2850	Lifeguard 2797	Walking 2835
	NJROTC I 7985	NJROTC II 7986	NJROTC III 7987	Body Comp. 2810
Course Selection _____	Alternate Course Selection _____			
Athletic PE Sport: _____				

PATHWAY ELECTIVES		Pathway/Career of Interest _____	
BUSINESS/ CULINARY	ENGINEERING/ COMPUTER SCIENCE	LIBERAL STUDIES/ EDUCATION	MEDICAL
Accounting I (7600) Business Principles & Management (7620) Sports & Ent. Marketing (7645) Intro. Culinary (4361) CTE Culinary Arts (7925) CTE International Cuisine (7930) Multimedia I (7750) Multimedia II (7751) Multimedia III (7752) Web Design & Development (7551)	Drafting I (7700) Drafting II (7710) Environmental Engineering I (3600) (minimum of math I) Environmental Engineering II (3610) Environmental Engineering Concepts and Applications III: Our Sustainable Future (3700) Exploring Computer Science(7570) AP Computer Science (7571) Cyber Security (7573)	Academic Tutor (1950) AP Human Geography (1918) AVID (1946) Cinema as Literature (1876) Renaissance (1934) Student Senate (1932) USB Leadership (1930) Beast (5541) Link Crew (5542) AP Seminar (1908)	Health Careers I (5400) Health Careers II (5402) Medical Terminology (5403) Anatomy & Physiology (3040) Adv. Biomedical Science (3555) Sports Medicine (2880) Advanced Sports Medicine (2890) Psychology (1900) AP Psychology (1890) Medical Biology (3550) Medical Chemistry (3524)
VISUAL & MEDIA ARTS		PERFORMING ARTS	
Art I and Design (6000) Adv. Drawing & Painting (6030) AP Art History (6200) Ceramics I (6060) Ceramics II (6070) Graphic Design I (6040) Graphic Design II (6050) Studio Art (6155) AP Studio Art (6150)	Yearbook (application) (1870) TV Digital (7780) Adv. TV Digital (7781)(application) Video Game Design I (7553) (minimum of math I) Multimedia I (7750) Multimedia II (7751) Multimedia III (7752) Web Design & Development (7551) Yearbook Design (1875) (application) (2year)	Drama I (6500) Drama II (6550) Drama III (6560) (Instructor approval) Drama IV (6570) (Instructor approval) Tech Theater I (6565) (Instructor approval) Tech Theater II (6566)(Instructor approval) Adv. Marching/Concert Band (7200) Advanced Concert Orchestra (7216) Wind Symphony (7204) (by audition) Performance Corp (2750) (by audition) Guitar (7000) AP Music Theory (7007)	Women's Ensemble (7150) Men's Ensemble (7170) Advanced Chamber Choir (7105) (by audition) Adv. Chorale (7110) (by audition) Dance I (7220) Dance II (7230) Adv. Dance/Choreography (7231) (by audition)

OTHER ELECTIVE CHOICES

- Refer to the Career Technical Education Courses on pages 19-21.
- Early Release 6th (9007) or 7th period (9002); Late Start 1st (9010) or 2nd (9011): Available only to students on track for graduation & with parent permission.
- **AP Contracts, Early Release, and Late Start forms are required. Forms online at: <http://www.murrieta.k12.ca.us/Page/22271> or on pages 17—18**
- Please see your counselor in order to inquire and/or enroll in a online course through Murrieta Canyon Academy

Elective Selection # 1:	Elective Selection # 4:
Elective Selection # 2:	Elective Selection # 5:
Elective Selection # 3:	Elective Selection # 6:

Carefully choose all elective selections. Any of these electives may be on your schedule as a result of scheduling conflicts, courses not offered or full classes.
Your signature on this form indicates you have reviewed and approved your student's course selection for the 2018-2019 school year. **Course placements are based on course/instructor availability and final grades in prerequisite courses.**

Parent Signature Student Signature Date

⇒ Log on to <https://aeriesnet.murrieta.k12.ca.us/parent> February 9th, from 6:30am to February 12th, 8:00 pm to select courses online.
 ⇒ Informational and tutorial video can be found at <https://www.murrieta.k12.ca.us/Page/22271>
 ⇒ Forms will be collected in your history classes on February 20th — February 26th.

Name: _____ Birth Date: _____
Last Name First Name Middle Initial

MMHS GRADUATION REQUIREMENTS

ENGLISH— 4 years—40 credits
 MATH— 3 years—Math I/Algebra 1 required—30 credits
 SCIENCE— 3 years—1 Life, 1 Physical, 1 additional—30 credits
 SOCIAL SCIENCE—3 years—30 credits
 WORLD LANGUAGE— 1 year—10 credits
 PHYSICAL EDUCATION—2 years—20 credits
 VISUAL/PERFORMING ARTS— 1 year—10 credits
 HEALTH /ICT Career Literacy—1 SEM. EACH—10 credits
 GENERAL ELECTIVES—50 credits

4-YEAR COLLEGE MINIMUM REQUIREMENTS (A-G)

SOCIAL SCIENCE—2 years
 ENGLISH— 4 years College Prep
 MATH— 3 years: Math I/, Math II/Math III
 SCIENCE— 2 years Lab Science
 WORLD LANGUAGE—2 years of Same World Language
 VISUAL/PERFORMING ARTS—1 year
 COLLEGE PREPATORY ELECTIVE— 1 year

LIST OF COURSE SELECTIONS FOR 2018-2019

You will need to select 7 classes.

Course selection online at
<https://aeriesnet.murrieta.k12.ca.us/>

* Note: Please complete this form in PEN and print neatly.
CIRCLE COURSE SELECTION NUMBER

1. English—	College English 92	1082	CSU Expo Read/Write	1033
	AP English Lit. & Comp	1008		
2. Math—	Math 90	2475	MRWC (Math IV “Pre-Calculus “)	2355
	Math 96	2476	Calculus	2390
	Math III	2218	AP Calculus AB	2400
	Probability & Stats	2415	AP Calculus BC	2405
	Intro to Stats	2320	Accounting	7600
	AP Statistics	2410	Adv. Alg. Fin App.	2215
3. Science—	CP Biology	3025	Chemistry/Med. Chem.	3525/3524
	Marine Biology	3010	Anatomy/Physiology	3040
	Adv. Biomed	3555	Physics	3530
	Environmental Horticulture	3030	Environmental Science	3100
	AP Biology	3031	AP Chemistry	3528
			AP Physics	3531
			AP Environmental	3101
4. Social Science—	Government/Economics	1700/1702		
	AP Government	1701	AP Macroeconomics	1705

SELECT THREE ELECTIVES FROM THE OPTIONS BELOW AND PAGE 16

World Language—	Spanish I	4100	Spanish II	4110	Spanish III	4120
	Sp. for Sp. Speakers I	4150	Sp. for Sp. Speakers II	4160	AP Spanish Language/Literature	4130 / 4133
	Chinese I	4400	Chinese II	4401	Chinese III	4402
	Chinese IV	4403	AP Chinese Lang	4404		
	French I	4200	French II	4210	French III	4220
	AP French Lang	4230				
	ASL I	4050	ASL II	4060	ASL III	4070
			ASL IV	4080		

Physical Education—	Aerobics	2800	Court Sports	2820	Walking	2835
	Dance I	7220	Dance II	7230	Rec. Life	2840
	Lifeguard	2797	Teamfield	2850	Body Comp.	2810
	NJROTC I	7985	NJROTC II	7986	NJROTC III	7987
			NJROTC III	7987	NJROTC IV	7988
	Course Selection _____		Alternate Course Selection: _____			
	Athletic PE Sport: _____					

Please complete elective choices on the back of this form

PATHWAY ELECTIVES **Pathway/Career of Interest** _____

BUSINESS/ CULINARY	ENGINEERING/ COMPUTER SCIENCE	LIBERAL STUDIES/ EDUCATION	MEDICAL
Accounting (7600) Business Principles & Management (7620) Sports & Ent. Marketing (7645) Intro. Culinary (4361) CTE Culinary Arts (7925) CTE International Cuisine (7930) Multimedia I (7750) Multimedia II (7751) Multimedia III (7752) Web Design & Development (7551)	Drafting I (7700) Drafting II (7710) Environmental Engineering I (3600) (minimum of Math I) Environmental Engineering II (3610) Environmental Engineering Concepts and Applications III: Our Sustainable Future (3700) Environmental Engineering IV (3705) Exploring Computer Science (7570) AP Computer Science Principles (7571) Cyber Security (7573)	Academic Tutor (1950) AP Human Geography (1918) AVID (1947) Cinema as Literature (1876) Renaissance (1934) Student Senate (1932) USB Leadership (1930) Beast (5541) Link Crew (5542) AP Research (1909)	Health Careers I (5400) Health Careers II (5402) Medical Terminology (5403) Anatomy & Physiology (3040) Adv. Biomedical Science (3555) Sports Medicine (2880) Advanced Sports Medicine (2890) Psychology (1900) AP Psychology (1890) Medical Biology (3550) Medical Chemistry (3524)

VISUAL & MEDIA ARTS **PERFORMING ARTS**

Art I and Design (6000) Adv. Drawing & Painting (6030) AP Art History (6200) Ceramics I (6060) Ceramics II (6070) Graphic Design I (6040) Graphic Design II (6050) Studio Art (6155) AP Studio Art (6150)	Yearbook (application) (1870) TV Digital (7780) Adv. TV Digital (7781)(application) Video Game Design (7553) (minimum of math I) Multimedia I (7750) Multimedia II (7751) Multimedia III (7752) Web Design & Development (7551)	Drama I (6500) Drama II (6550) Drama III (6560) (Instructor approval) Drama IV (6570) (Instructor approval) Tech Theater I (6565) (Instructor approval) Tech Theater II (6566) (Instructor approval) Dance I (7220) Dance II (7230) Adv. Dance/Choreography (7231) (by audition)	Women’s Ensemble (7150) Men’s Ensemble (7170) Advanced Chamber Choir (7105) (by audition) Advanced Chorale (7110) (by audition) Adv. Marching/Concert Band(7200) Advanced Concert Orchestra (7216) Wind Symphony (7204) (audition) Performance Corp (2750) (audition) Guitar (7000) AP Music Theory (7007)
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OTHER ELECTIVE CHOICES

- Refer to the Career Technical Education Courses on pages 19-21.
- Early Release 6th (9007) or 7th period (9002); Late Start 1st (9010) or 2nd (9011): Available only to students on track for graduation & with parent permission.
- **AP Contracts, Early Release, and Late Start forms are required. Forms online at: <http://www.murrieta.k12.ca.us/Page/22271> or on pages 17—18**
- Please see your counselor in order to inquire and/or enroll in a online course through Murrieta Canyon Academy

Elective Selection # 1:	Elective Selection # 4:
Elective Selection # 2:	Elective Selection # 5:
Elective Selection # 3:	Elective Selection # 6:

Carefully choose all elective selections. Any of these electives may be on your schedule as a result of scheduling conflicts, courses not offered or full classes.

Your signature on this form indicates you have reviewed and approved your student’s course selection for the 2018-2019 school year. **Course placements are based on course/instructor availability and final grades in prerequisite courses.**

Parent Signature Student Signature Date

- ⇒ Log on to <https://aeriesnet.murrieta.k12.ca.us/parent> Feb. 6th, 6:30 am and February 7th, 8:00 pm to select courses online.
- ⇒ Informational and tutorial video can be found at <https://www.murrieta.k12.ca.us/Page/22271>
- ⇒ Forms will be collected in your US History class on February 9th—February 15th.

Murrieta Valley Unified School District



2018/19 Early Release/Late Start Agreement

STUDENT NAME: _____ GRADE: _____ PERIOD/S REQUESTED: _____

- Junior students are only eligible for one period of Early Release or Late Start
- Senior students may take up to 2 periods of Early Release and/or Late Start
- Students with Early Release must follow school guidelines for arrival and departure
- Students must be current on graduation credits in order to be eligible for Early Release and/or Late Start
- Students must maintain a 2.0 GPA each semester, good behavior and acceptable attendance to remain eligible for Early Release and/or Late Start

The student will benefit from Early Release and/or Late Start for the following reason:
(Counselor completes this section):

The initials of both Parent/Guardian and Counselor are required below:

PARENT/
GUARDIAN

COUNSELOR

_____ It has been determined that Early Release/Late Start will benefit the student.

_____ The Early Release/Late Start option does not provide the student with credits toward graduation.

_____ The student will not be assigned Early Release/Late Start unless all core class requirements have been met and the student is on track for graduation.

_____ The student will not be assigned Early Release/Late Start due to insufficient course offerings during the relevant class period.

The signatures below indicate the student, parent/guardian and principal/assistant principal consent to and have determined that the student will benefit from Early Release/Late Start.

Student Name/Grade

Student Signature

Parent/Guardian Name

Parent/Guardian Signature

Counselor Signature

Principal/Assistant Principal Signature

Date

Date



Murrieta Valley Unified School District

High School Advanced Course Agreement

Murrieta Valley Unified School District (MVUSD) is committed to providing an environment in which all students have equal access to a rigorous academic experience. MVUSD's goal is to encourage all students to challenge themselves by taking advanced coursework, including Advanced Placement (AP) courses, Dual Enrollment (DE at VMHS), and International Baccalaureate (IB at MVHS) even if they have not experienced prior advanced coursework. All available AP, Dual Enrollment, and IB courses will be open to all students who have made an informed decision, which includes taking any prerequisite course and/or assessment, consultation with significant stakeholders, and review of the course expectations.

These advanced courses are college level courses in which students can possibly earn an extra grade point on their GPA for each AP, DE, or IB course they successfully complete, as well as possibly earning college credit. Students should expect 1 to 2 hours of homework for every hour spent in class. MVUSD believes that successful completion of an advanced course is attaining a letter grade of 'C' or above in that course. Students who successfully complete an advanced AP or IB course(s) will be prepared for the comprehensive exam in that course and subject. For most students, there is an adjustment period at the beginning of an advanced course. However, most students adjust to the rigor and learn to perform at a satisfactory level or above.

I plan on taking the following AP, DE or IB course(s):

By initialing below, I understand the requirements of enrolling in this/these advanced course(s) and my parent/guardian and I agree to the following terms:

- _____ 1. The demands of advanced courses exceed those of a general college preparatory course, and I am committed to the extra effort needed to succeed.
- _____ 2. I realize that the advanced course(s) may entail required summer assignments and failure to complete these assignments could significantly affect my performance and grade in the class.
- _____ 3. I realize that an advanced course is a semester or year-long commitment. I acknowledge that I must remain in the course for at least 3 weeks and will have up to 6 weeks to withdraw from the course and enroll in a subject equivalent course (if applicable). If I request to withdraw from the advanced course, I understand I will be required to meet with my counselor/administrator and advanced teacher before the withdrawal can be considered.
- _____ 4. I realize if I am struggling, I need to contact my teacher for additional support and outside of class tutoring sessions if available. In addition, I will attend out of school study sessions (i.e. UCR AP Readiness).
- _____ 5. I realize that exams for AP and IB courses will cost \$93 and \$116 respectively for each exam; with the possibility of a fee reduction if I qualify.
- _____ 6. I realize that I must abide by the conditions set forth in the course syllabus (e.g. attendance, grading and make-up policies).
- _____ 7. After reading the course description(s)/syllabus for each advanced course, I am confident that I will be successful in the course(s) of choice.

Student Name (Please Print): _____ Grade: _____ Date: _____

Student Signature: _____ Parent/Guardian Signature: _____

CAREER AND TECHNICAL EDUCATION



Career Technical Education courses are designed to provide students with entry-level job training. Some classes include on the job training in local businesses. **There are specialized Career and Technical Education courses that have an age requirement. Students must be enrolled in five high school classes in addition to a CTE/ROP course. If enrolled in an alternate-campus CTE/ROP course, students will have 7th period early release at MMHS.** Students may enroll in CTE/ROP courses during the second semester if approved by the instructor. Students are responsible for their own transportation to the CTE/ROP classroom sites. Career Technical Education courses provide:

- Free Job Training
- High School Credit
- Certificate of Training
- Career Planning
- Job Search Skills
- Preparation for Higher Level Training

For more information see your CTE representative in the Career Center.

****Courses offered at Murrieta Mesa High School ****

CULINARY ARTS

Course # 7925

Prerequisite: The ability to understand and carry out required health and safety standards, safely handle sharp kitchen tools and operate kitchen equipment and use independent judgment in planning and carrying out a sequence of activities. Students must be free from communicable diseases and have clean personal habits and dress and use diplomacy and tact in dealing with customers. There is a dress requirement which complies with health sanitation and safety laws (State Law AB1978) and HACCP regulation for dress code.

Length: Year

This course meets MVUSD requirements for elective credit. The purpose of this course is to prepare students for culinary school and a career in the restaurant business. The Culinary Arts course combines elements of artistry, science and business skills to prepare students for an exciting career in the culinary field. Students will learn the proper use of kitchen tools, equipment, portion control, measurement, menu planning and budgeting, sanitation and safety, personal hygiene, job search and interpersonal skills and attributes necessary for success in the restaurant industry.

CULINARY ARTS-BAKING

Course # 7927

Prerequisite: Successful completion of Culinary Arts and teacher approval. The ability to understand and carry out required health and safety standards, safely handle sharp kitchen tools and operate kitchen equipment and use independent judgment in planning and carrying out a sequence of activities. Students must be free from communicable diseases and have clean personal habits and dress and use diplomacy and tact in dealing with customers. There is a dress requirement which complies with health sanitation and safety laws (State Law AB1978) and HACCP regulation for dress code.

Length: Year

This course meets MVUSD requirements for elective credit. Professional Baking and Pastry is the study of the formulas and applications of the principles that will provide a strong foundation in baking and the pastry arts. Students will learn the basic competencies of bakers and pastry chefs such as yeast dough, laminated dough, pies, tarts, cake decorating and more. Students will explore career opportunities in the baking profession. The course will cover certification programs available for career development as well as professional associations that provide services for bakers.

****Courses offered at Murrieta Mesa High School ****

INTERNATIONAL CUISINE

Course # 7930

Prerequisite: Successful completion of Culinary Arts-Baking and teacher approval. Interest in obtaining an entry-level position in hospitality services and food handling positions. Student may need to supply evidence of a negative TB skin test and obtain a Food Handler's Card, at the cost of the student.

Length: Year

This class is designed for students who have an interest in the growing field of hotels and tourism and wish to gain the necessary skills for employment. Course content includes hotel operations, food service, food production and preparation, hospitality, the travel and tourism industry, theme parks, customer service, communications, and how to plan and service special events and conferences. Following orientation and five weeks instruction in the classroom, students will be placed in community training sites for on-the-job experience in the industry.

COURSE DESCRIPTIONS



ENGLISH

All English courses are aligned to the California English Content Standards.

Approved English Courses meet the (b) requirement for admission to the UC/CSU systems.

ENGLISH I

Course # 1001

Prerequisite: *None*

Length: Year

This course meets UC/CSU (b) and MVUSD graduation requirements for English. It provides students, through their experiences in reading, writing, listening and speaking, with the skills necessary to become informed and responsible citizens, productive and effective members of the work force, and individuals dedicated to lifelong learning. The class focuses on developing skills in creating compositions and analyzing literature. Students will demonstrate reading, writing, speaking, and listening skills using a variety of genres (poetry, drama, short stories, essays, novels, expository texts, and biographies) and by using activities such as Socratic Seminars and oral presentations. The students will be introduced to a substantial amount of ongoing writing practice through journals, essays, creative writing, a research paper, and extensive formal papers. The course is structured around reading of classical and contemporary works of literature as well as nonfiction. Assessments will include performance-based assessments, conventional assessments, (including standardized tests), portfolios and published products.

Grade Level: 9

ADVANCED ENGLISH I

Course # 1021

Prerequisite: *By placement only that includes current English grade and teacher recommendation.*

Length: Year

This course meets UC/CSU (b) and MVUSD graduation requirements for English. In addition to the curriculum provided in English I, the advanced course helps students focus on independent, in-depth reading of challenging classical and contemporary literary works and nonfiction with more emphasis on higher level thinking skills. Advanced students are expected to read and write extensively.

Grade Level: 9

ENGLISH II

Course # 1002

Prerequisite: *Successful completion of English I*

Length: Year

This course meets UC/CSU (b) and MVUSD graduation requirements for English. It provides students, through their experiences in reading, writing, listening, and speaking, with the skills necessary to become informed and responsible citizens, productive and effective members of the work force, and individuals dedicated to lifelong learning. The class focuses on developing skills in creating composition and analyzing literature. Students will demonstrate reading, writing, speaking and listening skills using a wide variety of genres (poetry, drama, short stories novels and biographies) and by using activities such as Socratic Seminars and oral presentations. The students will be introduced to a substantial amount of ongoing writing practice through journals, essays, creative writing, a research paper, and extensive formal papers. The course is structured around reading of classical and contemporary works of literature. Assessments will include performance-based assessments, conventional assessments (including standardized tests), and published products.

Grade Level: 10

ADVANCED ENGLISH II

Course # 1022

Prerequisite: *By placement only that includes current English grade and teacher recommendation.*

Length: Year

This course meets UC/CSU (b) and MVUSD graduation requirements for English. In addition to the curriculum supplied in English II, The advanced course helps students focus on independent, in-depth reading of challenging classical, multicultural and contemporary literary works with more emphasis on higher level thinking skills. Advanced students are expected to read and write extensively.

Grade Level: 10

EXPOSITORY READING & WRITING (11)

Course # 1028

Prerequisite: *Successful completion of English II or Adv. English II*

Length: Year

This course meets UC/CSU (b) and MVUSD graduation requirements for English. Expository Reading and Writing 11 will prepare students to read and analyze non-fiction works representing the classical and modern modes of rhetorical discourse. Students will develop skills to write effective expository and persuasive compositions, and will also develop the ability to produce an effective research paper. Students will learn to use the Rhetorical Analysis Template, developed by the CSU system, for their analysis of essays and development of compositions. This will help prepare students for college level reading and writing, and for success on the Early Assessment Program portion of the California Assessment of Student Performance and Progress (CAASPP). Also included in the curriculum are full-length works from classical and contemporary American literature, such as *The Crucible*, *The Death of a Salesman*, *The Great Gatsby*, and *Fahrenheit 451*.

Grade Level: 11

ENGLISH III

Course # 1018

Prerequisite: *Successful completion of English II or Adv. English II*

Length: Year

This course meets the UC/CSU (b) and MVUSD graduation requirements. This course is designed to continue literacy and language development and to engage students in reading both fiction and nonfiction texts with an emphasis on nonfiction. Readings will include essays, memoirs, letters, speeches, short stories, novels, drama and poetry from various time periods and cultures, with an emphasis on American literature. Coursework will also include selections from the California State University(CSU) Expository Reading and Writing units. The course will focus on the analysis, interpretation, evaluation, composition and presentation of texts through the use of reading, writing and verbal techniques. Students will develop skills to write effective expository and persuasive compositions, and will also develop the ability to produce an effective research paper. Students will learn to use the Rhetorical Analysis Template, developed by the CSU system, for their analysis of essays and development of compositions. The course includes preparation for college entrance exams.

Grade Level: 11



ENGLISH

ADVANCED PLACEMENT(AP) ENGLISH LANGUAGE AND COMPOSITION

Course # 1005

Grade Level: 11

Prerequisite: *Placement will be determined by a combination of the student's current English grade and teacher recommendation. A signed AP contract is required.*

Length: Year

This course meets UC/CSU (b) and MVUSD graduation requirements for English. It is a one year course for juniors who have demonstrated excellent academic competence. Students who enroll in the course are strongly encouraged to register for the Advanced Placement Language and Composition exam, which is administered in the spring. The course focuses on composition and literature. Students will demonstrate advanced reading, writing, speaking, and listening skills using an extensive variety of classical and contemporary essays, short stories, poems, dramas, and novels, with an emphasis on non-fiction prose in preparation for the A.P. Exam. Students will engage in the analysis of core and extended reading, written and visual media, and essays representing the four modes of discourse: narration, description, exposition, and argumentation. Students will be expected to understand rhetorical structures, devices, and techniques employed by authors. Additionally, students will trace the evolution of American literature while exploring such themes as "The American Dream," "Coming of Age," "Justice and Injustice," "The Pursuit of Happiness," "War and Peace," and "Freedom and Dignity." Students will interact with the literature and the writing on a personal level by using collaborative techniques, visual and written interpretations, and oral presentations. Writing will be taught at the advanced composition level focusing on writing skills and strategies for the college bound student, and for the Advanced Placement Language and Composition exam. Students will utilize the writing process to compose formal and informal essays, research projects, and timed-essays. Assessment for the advanced placement course will include performance-based assessment, conventional assessment, portfolios, and published products. **Students are encouraged to take the AP exam which can earn them college credit for the course.**

COLLEGE ENGLISH 92

Grade Level: 12

Course # 1082

Prerequisite: *Successful completion of English III, Expository English III or AP Language and Composition*

Length: Year

This course meets the UC/CSU (b) and MVUSD graduation requirements. This course is designed to continue literacy and language development and to engage students in reading both fiction and nonfiction texts with an emphasis on nonfiction. Readings will include essays, memoirs, letters, speeches, short stories, novels, drama and poetry from various time periods and cultures related to themes such as Identity, Ambition, Ethics, Diversity, Social Responsibility and Media Bias. The course will focus on the analysis, interpretation, evaluation, composition and presentation of texts through the use of reading, writing and verbal techniques. Coursework will also include selections from the California State University(CSU) Expository Reading and Writing units. Students will use the Rhetorical Analysis Template, developed by the CSU system, for their analysis of essays and development of compositions. A major research paper and senior project will be required for this course. The course includes preparation for college entrance exams.

CSU EXPOSITORY READING & WRITING (12)

Course # 1033

Grade Level: 12

Prerequisite: *Successful completions of English III, Expository 11, or AP Language and Composition.*

Length: Year

This course meets UC/CSU (b) and MVUSD graduation requirements for English credit. Expository Reading and Writing 12 will prepare twelfth grade students for college level work by requiring them to read extensively from challenging essays across the disciplines and to write analytically and critically about what they have read. Students will develop the skills to produce a variety of essays using rhetorical strategies based upon expository readings. They will learn the features of the various rhetorical modes: narration, description, illustration, comparison and contrast, definition, process analysis, argument and persuasion, and causal analysis. Also included in the curriculum may be (but not limited to) full-length works from classical and contemporary literature such as, **HAMLET, INTO the WILD**, 1984, **FRANKENSTEIN**. At the completion of this year long senior class students should be prepared to meet the intellectual demands of the university. **Students who have earned a conditionally exempt status on the EAP in their Junior year may earn a full EAP exemption by completing this course with a C or higher.**

ADVANCED PLACEMENT LITERATURE & COMPOSITION

Course # 1008

Grade Level: 12

Prerequisite: *Placement will be determined by a combination of the student's current English grade and teacher recommendation. A signed AP contract is required.*

Length: Year

This course meets UC/CSU (b) and MVUSD English requirements. It is a one year course for seniors who have demonstrated excellent academic competence. Students who enroll in the course are strongly encouraged to register for the Advanced Placement Literature and Composition exam, which is administered in the spring. This course is an intensive study of various genres of British and World literature and composition. Designed to prepare students for the AP test, the course focuses on the connection between reading and writing mature prose of various styles. Students will interact with the literature and the writing on a personal level by using collaborative techniques, visual and written interpretations, and oral presentations. Students study the individual work, its language, characters, actions and themes. They consider the structure, meaning and value of the work and its relationship to contemporary issues as well as to the times in which it was written. Extensive reading will be required. Writing will be taught at the advanced composition level focusing on writing skills and strategies for the college bound student, and for the Advanced Placement Literature and Composition exam. Students will utilize the writing process to compose formal and informal essays and research projects and will compose timed essays. Upon successful completion of the national test for AP Language Composition, students MAY also qualify for college credit. **Students are encouraged to take the AP exam, which can earn them college credit for the course.**

ENGLISH INTENSIVES

Grade Level: 9– 12

ENGLISH I INTENSIVE Course # 1051

ENGLISH II INTENSIVE Course # 1052 (READ 180)

Prerequisite: *Placement based on assessment results*

Length: Year

This course meets MVUSD requirements for English credit. It offers students scoring below proficient on California standardized tests individualized support in reading and writing. Using a technology-based reading inventory assessment, students are assigned a level at which their computer lessons and individual novel reading requirements are based. Class activities include silent reading, paragraph and essay composition, whole and small group instruction and interactive computer reading program work. The goal of this course is to raise students' literacy to grade level and prepare them for CP English II the following year.





MATHEMATICS

All Mathematics courses are aligned to the California Mathematics Content Standards.

Approved Mathematics Courses meet the (c) requirement for admission to the UC/CSU systems.

TRANSITIONAL MATH

Course # 2214

Grade Level: 9

Prerequisite: *By placement*

Length: Year

This course is awaiting district approval to meet district graduation requirements for math credit. Students study real numbers, expressions and equations, congruency and similarity of figures, functions and linear relationships, the Pythagorean theorem, perimeter, area and volume of shapes. Students routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems. This course is designed to reinforce foundational skills and concepts necessary for success in Math I.

MATH I

Grade Level: 9-10

Course # 2212

Prerequisite: *By placement (C or better in Math 8, Teacher Recommendation, and/or District Assessment Results)*

Length: Year

This course is awaiting UC/CSU (c) and district approval to meet college entrance and district graduation requirements for math credit. The critical areas of this course are: Relations and Functions, Linear Equations and Inequalities, Systems of Equations and Inequalities, Polynomial Expressions, Exponential Functions, Geometric Properties and Congruence, and Probability and Statistics. In addition, students will deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data. Students routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems.

ADV MATH I

Grade Level: 9

Course # 2213

Prerequisite: *By placement (B or better in Adv. Math 8, Teacher Recommendation, and/or District Assessment Results)*

Length: Year

This course is awaiting UC/CSU (c) and district approval to meet college entrance and district graduation requirements for math credit. The critical areas of this course are: Relations and Functions, Linear Equations and Inequalities, Systems of Equations and Inequalities, Polynomial Expressions, Exponential Functions, Geometric Properties and Congruence, and Probability and Statistics, and **Pre-Calculus standards (circular functions and trigonometry, matrices)**. In addition, students will deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data. Students routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems. This course, along with Adv. Math II and Adv. Math III, will provide the depth and scope of math instruction that will prepare students to take Advanced Placement (AP) math course(s).

MATH II

Grade Level: 10-11

Course # 2216

Prerequisite: *By placement (C or better in Math I, Teacher recommendation, and/or District Assessment Results)*

Length: Year

This course meets UC/CSU (c) and District requirements for math credit. The purpose of Math II is to develop students' ability to think mathematically and develop their conceptual understanding of mathematics and procedural fluency in mathematics. Math II will extend the mathematics students learned in earlier grades and apply concepts in Number and Quantity, Algebra, Functions, Modeling, Geometry, and Probability and Statistics. The critical topics of this course are: Linear, Quadratic, Exponential, and Trigonometric Functions, Geometric Properties of Congruence, Similarity, Right Triangles and Trigonometry, Circles and Volume, Probability, and Modeling Data. Extensive use of models (or real-world situations), manipulatives, graphs and diagrams will help students view how mathematics is a set of related topics as opposed to a set of discrete topics. In addition, students will solve problems graphically, numerically, algebraically, and verbally and make connections between these representations. Students routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems.

ADV MATH II

Grade Level: 9-10

Course# 2217

Prerequisite: *By placement (B or better in Adv. Math I, Teacher recommendation, and/or District Assessment Results)*

Length: Year

This course meets UC/CSU (c) and District requirements for math credit. The purpose of Advanced Math II is to develop students' ability to think mathematically and develop their conceptual understanding of mathematics and procedural fluency in mathematics. This course, along with Advanced Math I and Advanced Math III, will provide the depth and scope of math instruction that will prepare students to take an Advanced Placement (AP) math class. Advanced Math II will extend the mathematics students learned in earlier grades and apply concepts in Number and Quantity, Algebra, Functions, Modeling, Geometry, Probability and Statistics, as well as **Complex Numbers, Conics, and Matrix Quantities**. The critical topics of this course are: Linear, Quadratic, Exponential, and Trigonometric Functions, Geometric Properties of Congruence, Similarity, Right Triangles and Trigonometry, Circles and Volume, Probability, Modeling Data, and **Complex Numbers, Conics and Matrices (Pre-Calculus standards)**. Extensive use of models (or real-world situations), manipulatives, graphs and diagrams will help students view how mathematics is a set of related topics as opposed to a set of discrete topics. In addition, students will solve problems graphically, numerically, algebraically, and verbally and make connections between these representations. Students routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems.



MATHEMATICS

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MATH III

Grade Level 11-12

Course # 2218

Prerequisite: *By Placement (C or better in Math II, teacher recommendation and/or district assessment results)*

Length: Year

This course meets UC/CSU © and District requirements for math credit. The purpose of Math III is to develop students' ability to think mathematically and develop their conceptual understanding of mathematics and procedural fluency in mathematics. Math III will extend the mathematics students learned in earlier grades and apply concepts in Number and Quantity, Algebra, functions, Modeling, Geometry, Probability and Statistics. The critical topics of this course are: Inverse Functions, Logarithmic, Polynomial, Rational and Radical functions, Modeling with Geometry and Functions, Trigonometric Functions, Modeling with Geometry and Functions, Trigonometric functions, Statistics. Extensive use of models (or real-world situations), manipulatives, graphs and diagrams will help students view how mathematics is a set related topics as opposed to a set of discrete topics. In addition, students will solve problems graphically, numerically, algebraically, and verbally and make connections between these representations. Students routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems.

ADV MATH III

Grade Level : 10-11

Course #2219

Prerequisite: *By placement (B or better in Advanced Math II, teacher recommendation and/or district assessment results)*

Length: Year

This course meets UC/CSU (c) and District requirements for math credit. The purpose of Advanced Math III is to develop students' ability to think mathematically and develop their conceptual understanding of mathematics and procedural fluency in mathematics. This course, along with Advanced Math I and Advanced Math II, will provide the depth and scope of math instruction that will prepare students to take an Advanced Placement (AP) math class. Advanced Math III will extend the mathematics students learned in earlier grades and apply concepts in Number and Quantity, Algebra, Functions, Modeling, Geometry, Probability and Statistics, as well as, Complex Numbers and Trigonometric Functions. The critical topics of this course are: Inverse Functions, Logarithmic, Polynomial, Rational and Radical Functions, Modeling with Geometry and Functions, Trigonometric Functions, Statistics, and Complex Numbers and Trigonometric Functions (Pre-Calculus standards). Extensive use of models (or real-world situations), manipulatives, graphs and diagrams will help students view how mathematics is a set of related topics as opposed to a set of discrete topics. In addition, students will solve problems graphically, numerically, algebraically, and verbally and make connections between these representations. Students routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems.

ADVANCED ALGEBRA WITH FINANCIAL APPLICATIONS

Grade Level: 11-12

Course # 2215

Prerequisite: *C or better in Math II, Math III or Math 90 (Priority for grade 12 Students)*

Length: Year

This course meets UC/CSU (c) and District requirements for math credit. Advanced Algebra with Financial Applications is a college-preparatory course that will use advanced mathematics to give you the tools to become a financially responsible young adult. The course uses all levels of mathematics to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the mathematics. Field projects, computer spreadsheets, and graphing calculators are key components of the course.

MRWC "Pre-Cal" Math IV

Grade level 10-12

Course # 2355

Prerequisite: *Grade of B or better in Math III or must have a score of 2 in CAASPP with a C in Math III*

Length: Year

This course meets UC/CSU (c) and MVUSD requirements for math credit. Brief Course Description:

The MRWC is designed as a 4th-year mathematics course following Math I-III that will provide a bridge into multiple college and career options, including STEAM, CTE, and non-technical pathways. Students successfully completing MRWC will have acquired content skills and attitudes towards learning that will be expected in entry-level college mathematics.



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Approved Mathematics Courses meet the (c) requirement for admission to the UC/CSU systems.

MATH 90

Grade Level: 11-12

Course #: 2475

Length: 1 Year

Prerequisite/s: *Math I*

Course Description: Students will solve linear equations, systems of linear equations, equations involving algebraic fractions, and quadratic equations by factoring and utilizing the Quadratic Formula. These skills will be applied to set up and solve application problems. Other topics include how to graph lines, perform arithmetic with both polynomial and rational expressions, and how to factor polynomials. As the first course in the algebra sequence, Math 90 prepares the student for Math 96. Students will solve equations, graph lines, and work with polynomials.

MATH 96

Grade Level: 11-12

Course #: 2476

Length: Year

Prerequisite/s: *By placement and Grade C or better in Math 90 or Math II, District Assessment results and/or Teacher Recommendation*

Course Description: This course meets UC/CSU (c) and District requirements for math credit. Math 96, Intermediate Algebra, incorporates the new California State Standards and Practice Standards in Mathematics and prepares students for college-level coursework and is aligned with Math 96 at Mt. San Jacinto College. This course is designed to provide students with a strong foundation in algebra, graphing and problem-solving skills. Course topics include linear, absolute value, quadratic, polynomial, exponential and logarithmic functions; relations and functions; systems of equations involving three variables; and conics. Successful completion of this course prepares students to take high school Pre-Calculus or a transfer level mathematics course, such as College Algebra, at community college. The purpose of Math 96 Intermediate Algebra is to delve deeper into the mathematics presented in Math 2 (or Algebra 1-Geometry course sequence). Students will continue to learn higher mathematical topics such as Rational Expressions, Exponential, Logarithmic and Trigonometric Functions, in addition to Probability and Statistics. Students work closely with expressions that define functions, competently manipulate algebraic expressions, and model situations. Students solve quadratic equations over the set of complex numbers and solve exponential equations using properties of logarithms. Students will explore and present mathematical concepts graphically, numerically, algebraically and verbally. Students routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems.

INTRODUCTION OF STATISTICS

Grade Level: 12

Course # 2320

Prerequisite: *By placement only*

Length: Year

This course meets MVUSD requirements for math or elective credit. This course is a basic introduction to statistics that emphasizes working with data and statistical ideas. Students will learn the usefulness of data analysis and will be able to examine data in a variety of ways in order to make formal and informal inferences. This course will incorporate hands-on experience with data and statistical ideas in order to create a better understanding of the unique world we live in.

CALCULUS

Grade Level: 11-12

Course # 2390

Prerequisite: *By placement only*

Length: Year

This course meets UC/CSU (c) and MVUSD math requirements. This is an introductory course in Calculus. This course includes the study of limits of functions, analysis of graphs, continuity of functions, derivatives of functions, applications of derivatives, indefinite and definite integrals, techniques of anti-differentiation, the Fundamental Theorem of Calculus and applications of integrals.

ADVANCED PLACEMENT CALCULUS AB

Course # 2400

Grade Level: 11-12

Prerequisite: *By placement only*

Length: Year

This course meets UC/CSU (c) and MVUSD math requirements. This course is designed to prepare students for the AP Calculus AB exam. This course includes the study of limits, continuity, differentiation, applications of differentiation, integration and applications of integrations. Definitions and theorems are rigorously explored and used to solve problems that require the use of these concepts. **Students are encouraged to take the AP exam.**

ADVANCED PLACEMENT CALCULUS BC

Course # 2405

Grade Level: 11-12

Prerequisite: *By placement only*

Length: Year

This course meets UC/CSU (c) and MVUSD math requirements. This course is designed to prepare students for the AP Calculus BC exam. This course includes the study of the derivative and integral to include analysis of plane curves given in parametric, polar and vector form; solving differential equations, including separable differential equations, logistic differential equations and Euler's method; integration by parts and using simple partial fractions; finding the length of a plane curve including curves given in parametric form; the concept of series including types of series and convergence tests; Taylor series including polynomial approximation, power series, interval of convergence and Lagrange error for Taylor polynomials. **Students are encouraged to take the AP exam.**

PROBABILITY & STATISTICS

Grade Level: 12

Course # 2415

Prerequisite: *Grade of C or better in Math III*

Length: Year

This course meets UC/CSU (c) and MVUSD math requirements. This course is an introduction to statistics that emphasizes working with data and statistical ideas. Students will learn the usefulness of data analysis and will be able to examine data in order to make formal and informal inferences. This course will emphasize the importance of hands-on experience with data and statistical ideas in order to create a better understanding of the unique world we live in. A statistical calculator is recommended for this course.

ADVANCED PLACEMENT STATISTICS

Course # 2410

Grade Level: 11-12

Prerequisite: *Grade of B or better in Math III or MRWC "Math IV/Pre-Cal"*

Juniors enrolling in this course must be concurrently enrolled in Pre-Calculus or higher.

Length: Year

This course meets UC/CSU (c) and MVUSD math requirements. This course is designed to provide students with an extensive and advanced study of the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The AP Statistics course is built around four main concepts: exploring data, planning a study, probability as it relates to distributions of data, and inferential reasoning. A major research project and preparation for the AP exam is required. **Students are encouraged to take the AP exam.**



SCIENCE

All Science courses are aligned to the California Science Content Standards.

Approved Science Courses meet the (d) requirement for admission to the UC/CSU systems.

CP BIOLOGY

Grade Level: 9-12

Course # 3025

Prerequisite: *By placement*

Length: Year

This course meets UC/CSU (d) laboratory and MVUSD life science graduation requirement. This course is designed to prepare the college-bound student for the rigors that they will encounter as they enter college science courses and satisfies the laboratory science requirement for entrance into most colleges. The emphasis of study will be on biological concepts and processes as they apply to various biological systems. Students will gain experience in the use of various scientific instruments, tools, and measuring devices as well as the proper techniques in their use. A minimum of 20% of class time will be spent on laboratory experiences.

EARTH SCIENCE

Grade Level: 10-12

Course # 3500

Prerequisite: *By placement*

Length: Year

This course meets MVUSD physical science graduation requirements. This course meets UC/CSU (g) requirements for elective credit. This course is designed to allow students to examine the Earth's dynamic geochemical processes as well as exploring Earth's relationship to the solar system and beyond. Students will learn topics such as geology, oceanography, climatology, and astronomy from a dynamic perspective which focuses on the processes that have and continue to shape our Earth. In addition to our broader perspective, students will learn about California's fascinating geologic history.

CHEMISTRY

Grade Level: 10-12

Course # 3525

Prerequisite: *Grade C or better in CP Biology and concurrent enrollment in Algebra II or Math II*

Length: Year

This course meets UC/CSU (d) laboratory and MVUSD physical science graduation requirements. This course deals with the quantitative and qualitative study of elements, compounds and molecules. Students will study the basic laws of chemistry, chemical bonds, chemical reactions, chemical equations and stoichiometry, chemical kinetics, equilibrium, electrochemistry and acid-base theories. A minimum of 20% of class time will be spent on laboratory experiences.

ADVANCED PLACEMENT CHEMISTRY

Course # 3528

Grade Level: 11-12

Prerequisite: *Grade B or better in Biology and Chemistry, successful completion of Alg. II/Trig or Math II teacher or Department Chair approval*

Length: Year

This course meets UC/CSU (d) physical science laboratory and MVUSD physical science requirements. The course covers quantitative/qualitative study of elements, compounds and molecules and basic laws of chemistry, chemical bonds, chemical reactions, chemical equations and stoichiometry, chemical kinetics, equilibrium, electrochemistry and acid-base theories. At least 20% of course will focus on laboratory activities. **Students are encouraged to take the AP exam.**

ANATOMY AND PHYSIOLOGY

Grade Level: 11- 12

Course # 3040

Prerequisite: *Grade C or better in CP Biology or with approval of teacher or Dept. Chair*

Length: Year

This course meets UC/CSU (d) laboratory and MVUSD life science graduation requirements. This course is designed to give students an understanding of the structure and function of the systems of the human body and their interrelationships. Students will examine the basic framework of the human body and study of the following systems: histology, skeletal, muscular, digestive, cardiovascular and nervous. A minimum of 20% of class time will be spent on laboratory experiences including dissections.

MARINE BIOLOGY

Grade Level: 11-12

Course # 3010

Prerequisite: *Completion of 1 year Life Science AND 1 year Physical Science, both with Grade C or better and teacher or Department Chair approval*

Length: Year

This course meets UC/CSU (g) science elective and MVUSD life science graduation requirements. This course fulfills the life science requirement for graduation. Marine Biology is a laboratory based science elective studying our world's oceans and life within them. The first semester of the course focuses on oceanography, the study of the properties and processes that define the ocean realm. The second semester focuses on marine plant and animal life, from the smallest one cell organisms to the largest mammals on earth. This class is challenging and fun. Approximately 20 % of the course will include labs, dissections and projects.

ADVANCED PLACEMENT BIOLOGY

Course # 3031

Grade Level: 11-12

Prerequisite: *Grade B or better in Biology and Chemistry with teacher or Department Chair approval*

Length: Year

This course meets UC/CSU (d) laboratory science and MVUSD graduation requirements for science or elective credit. AP Biology is a rigorous course designed to be the equivalent of a college introductory Biology course usually taken by Biology majors as college freshman. The aim of the course is to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of Biology. The course is designed to prepare students to take the Advanced Placement Biology examination. Colleges may give advanced placement and/or college credit based on the result of the examination. **Students are encouraged to take the AP Exam.**

MEDICAL BIOLOGY

Grade Level: 09-12

Course # 3550

Prerequisite: *Math 1 or Adv. Math 1 with a C or better*

This course meets UC/CSU (D) laboratory and District life science graduation requirement. This course is designed to prepare the college-bound student for the rigors they will encounter as they enter college science courses and satisfies the laboratory science requirement for entrance into most colleges. The emphasis of study will be on human biological concepts and processes as they apply to various biological systems. This class differs from Biology in that there is an emphasis on human biological processes with lab activities based on medical related subject matter such as disease processes, cellular metabolism, and medical laboratory testing. Students will gain experience in the use of various scientific instruments, tools and measuring devices as well as the proper techniques for use. A minimum of 35% of class time will be spent on laboratory experiences.

A. Understand the scientific process and that biologists use this process when they study the





SCIENCE

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Approved Science Courses meet the (d) requirement for admission to the UC/CSU systems.

ADVANCED BIOMEDICAL SCIENCE

Course # 3555 Grade Level: 11-12

Prerequisite: *Grade C or better in Anatomy and Physiology with teacher or Department Chair approval.*

Length: Year

This course meets the UC/CSU (d) requirement and MVUSD graduation requirement for Science. Advanced Biomedical Science seeks to relate the biological sciences including biochemistry, biotechnology, genetics, cellular functions, and microbiology to the specialized health and medical disciplines of epidemiology, oncology, embryology, parasitology, kinesiology, and virology. Advanced Biomedical Science is a comprehensive examination of the interrelationships of biology and the health sciences which give students a contemporary look at these fields by utilizing the most current research and laboratory techniques. Classroom activities will include training in the use of medical equipment, sterilization techniques, comprehensive dissections, diagnostic tests including aseptic blood and urine analysis, and laboratory procedures such as bacterial growth and gel electrophoresis. Certain Biological and medical topics, equipment, and professions will be presented to students by professional guest lecturers from the medical field. In accordance with UC and CSU requirements, a minimum of 20% class time will include laboratory experiences.

PHYSICS

Grade Level: 11-12

Course # 3530

Prerequisite: *Grade C or better in Algebra II and or Math II, Chemistry or with teacher or Department Chair approval.*

Length: Year

This course meets UC/CSU (d) physical science laboratory and MVUSD physical science or elective credit requirements. Students study mechanics, heat, light, sound, electromagnetism, waves, relativity and nuclear physics. This is a challenging course with an emphasis on problem solving and requires the student to have strong math skills. At least 20% of the course will include laboratory activities that reinforce the concepts that are part of the curriculum.

ADVANCED PLACEMENT PHYSICS I

Course # 3531 Grade Level: 11-12

Prerequisite: *Grade B or better in Chemistry with concurrent enrollment in Pre-Calculus, Math Analysis or higher or teacher or Department Chair approval*

Length: Year

This course meets UC/CSU (d) physical science laboratory and MVUSD graduation science requirements. Advanced Placement Physics is a rigorous course designed to be the equivalent of a college introductory Physics course usually taken by non-calculus based Physics majors. Physics I Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. This course is a laboratory-based course with an emphasis on practical hands on experience. This course is designed to prepare students to take the AP Physics examination. Colleges may give AP and/or college credit based on the result of the examination. **Students are encouraged to take the AP Exam.**

ENVIRONMENTAL SCIENCE

Grade Level: 12

Course # 3100

Prerequisite: *Completion of 1 year Life Science AND 1 year Physical Science, both with Grade C or better and teacher or Department Chair approval.*

Length: Year

This course meets UC/CSU (g) science elective credit and one year of MVUSD graduation requirements. In this course students will gain an understanding of ecological concepts and processes and how they apply to the natural world. They will learn how to identify present day environmental problems, evaluate the risks associated with these problems and propose possible solutions to prevent or resolve them. During the course students will gain practical knowledge in the use of scientific tools and instruments used for measurement and experimentation. A minimum of 20% of class time will be devoted to laboratory experiences.

ENVIRONMENTAL HORTICULTURE SCIENCE

Course # 3030 Grade level: 10-12

Prerequisite: *Successful completion of CP Biology and Math I*

Length: Year

This course is meets UC/CSU (g) science elective credits and one year of MVUSD graduation requirements. This course is designed to provide the student with theories and principles related to environmental horticulture science. This course will successfully prepare college-bound students for a major in agricultural science. Students will learn and utilize a 'hands-on approach' to the structure, growth processes, propagation, physiology, growth media, biological competitors, organic alternatives, crop science, biotechnology, and post harvest factors of food, fiber, and plants. Students will have the opportunity to be involved in off campus and on campus projects including a campus garden and green house.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

Grade Level: 11-12

Course # 3101

Prerequisite: *Completion of Chemistry and Algebra II or Math II with a grade B or better, teacher approval and a signed AP contract.*

Length: Year

This course meets UC/CSU (g) science elective credits and one year of MVUSD graduation requirements. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the inter-relationships 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 or preventing them. A minimum of 20% of class time will be devoted to laboratory experiences. **Students are encouraged to take the AP exam.**

MEDICAL CHEMISTRY

Course #

Grade Level: 10-12

Prerequisite: *Completion of Biology, and concurrent enrollment in Math II or higher.*

Length: 1 Year

U/C CSU (A-G) Req: (D) Laboratory Science (Pending)

This course meets UC/CSU (D) (**pending**) laboratory and district physical science graduation requirement. This course is designed to prepare the college-bound student for the rigors they will encounter as they enter college science courses and satisfies the laboratory science requirement for entrance into most colleges. The emphasis of study will be on human chemical concepts and processes as they apply to the human body, such as how biomolecules and the essential chemicals for life cycle in the body. This course is different from Chemistry in that it focuses on chemical processes that occur in the human body. This course includes labs and activities that can be used to reinforce the Next Generation Science Standards (NGSS) and incorporate a link between chemistry and medicine.





HEALTH

HEALTH

Course # 8075

Prerequisite: *None*

Length: Semester

This course meets MVUSD and California State requirement for health and personal fitness. **This course is required of all freshmen.** Students are presented with current research. The curriculum includes four unifying ideas from the nine major areas of health instruction: Personal Health, Consumer and Community Health, Injury Prevention and Safety, Tobacco, Alcohol and Other Drugs, Nutrition Education, Environmental Health, Family Living, Individual Growth and Development and Communicable and Chronic Diseases.

Grade Level: 9



SOCIAL SCIENCE

All Social Science courses are aligned to the California Social Science Content Standards.

Approved Social Science Courses meet the (a) requirement for admission to the UC/CSU systems.

MODERN WORLD HISTORY

Course # 1501

Prerequisite: *None*

Length: Year

This course meets UC/CSU (a) and MVUSD graduation requirements for social science credit. Students will demonstrate their understanding, assimilation and utilization of the historical knowledge, opinions, conclusions and techniques gained through a range of directed, cooperative and inquiry approaches. The students will examine major turning points in the shaping of the modern world. Students will be introduced to current world issues and the growing interdependence of people and cultures throughout the world.

Grade Level: 10

ADVANCED PLACEMENT EUROPEAN HISTORY

Course # 1510

Prerequisite: *Teacher approval and signed AP contract*

Length: Year

This course meets UC/CSU (a) and MVUSD graduation requirements for social science credit. Advanced Placement European History is designed to be a survey course of European history. Students must demonstrate their understanding, assimilation, and utilization of the historical knowledge, opinions, conclusions, and techniques gained through a range of directed, cooperative, and inquiry approaches. The students will examine and master the major turning points in the shaping of contemporary Europe. Students will take in-depth looks at current European issues and the growing independence of people and cultures throughout the world. A heavy emphasis will be placed on timed essay writing. **Students are encouraged to take the AP exam.**

Grade Level: 10—12

ADVANCED PLACEMENT WORLD HISTORY

Course # 1503

Prerequisite: *Teacher approval and signed AP contract*

Length: Year

This course meets UC/CSU (a) and MVHS graduation requirements for social science credit. Advanced Placement World History focuses on developing students' abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as they learn about the past. Five themes of equal importance—focusing on the environment, cultures, state-building, economic systems, and social structures—provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions. **Students are encouraged to take the AP exam.**

Grade Level: 10—12

ADVANCED PLACEMENT HUMAN GEOGRAPHY

Course # 1918

Grade Level: 9—12

Prerequisite: *Teacher approval and signed AP contract*

Length: Year

This course meets UC/CSU (a) elective and MVUSD graduation requirements. The purpose of this course 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. Students can take AP Human Geography and get credit for 10th grade World History. **Students are encouraged to take the AP exam.**

UNITED STATES HISTORY

Course # 1600

Prerequisite: *None*

Length: Year

This course meets UC/CSU (a) and MVUSD history requirements. Students will demonstrate their understanding, assimilation and utilization of the historical knowledge, opinion, conclusions and techniques gained through a range of directed, cooperative and inquiry approaches. The students will examine major turning points in the shaping of twentieth century America.

Grade Level: 11

ADVANCED PLACEMENT U.S. HISTORY

Course # 1601

Grade Level: 11

Prerequisite: *Teacher approval and signed AP contract*

Length: Year

This course meets UC/CSU (a) and MVUSD history requirements. Advanced Placement U.S. History is designed to be a survey course of American History. Students will demonstrate their understanding, assimilation, and utilization of the historical knowledge, opinions, conclusions, and techniques gained through a range of directed, cooperative and inquiry approaches. The students will examine and master major turning points in the shaping of American history from 1608 - present. A heavy emphasis will be placed on timed essay writing. Regular after school seminars will be held throughout the year. **Students are encouraged to take the AP exam.**





SOCIAL SCIENCE

All Social Science courses are aligned to the California Social Science Content Standards.

Approved Social Science Courses meet the (a) requirement for admission to the UC/CSU systems.

UNITED STATES GOVERNMENT

Course # 1700

Grade Level: 12

Prerequisite: *None*

Length: Semester

This course meets UC/CSU (a) and MVUSD history requirements. Students will analyze the historical significance of the U.S. Constitution and how this document continues to be relevant today. Legislative, executive and judiciary branches of government will be closely examined. The use of primary source documents is an integral part of this course. This course will help prepare students for their many responsibilities as a United States Citizen.

ADVANCED PLACEMENT GOVERNMENT

Course # 1701

Grade Level: 12

Prerequisite: *Teacher approval and signed AP contract*

Length: Year

This course meets UC/CSU (a) and MVUSD history requirements. This course gives an analytical perspective of government and politics in the U.S. and involves the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with various institutions, groups, beliefs, and ideas that constitute the reality of U.S. politics. This course encompasses the study of general concepts used to interpret the key political relationships found in virtually all national politics. The course work includes a research paper, SAT and AP test preparation and encompasses economics instruction. **Students are encouraged to take the AP exam.**

ECONOMICS

Course # 1702

Grade Level: 12

Prerequisite: *None*

Length: Semester

This course meets UC/CSU (g) elective and MVUSD graduation requirements. Students will compare government and economic systems in the world today. Fundamental economic, business and historical concepts will be blended to assist in the understanding of operations and institutions of economic systems. Basic economic principles of micro/macroeconomics and international economics will be examined. In addition, students develop an understanding of how government and economics effect businesses.

ADVANCED PLACEMENT

MACROECONOMICS

Grade Level: 12

Course # 1705

Prerequisite: *Teacher approval and signed AP contract*

Length: Year

This course meets UC/CSU (g) elective and MVUSD graduation requirements. This course will give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Course content will emphasize the study of national income and price-level determination and also develop students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. **Students are encouraged to take the AP exam.**



PHYSICAL EDUCATION

GRADES 10—12 MAY CHOOSE ANY 1 OF THE FOLLOWING PE COURSES (PREREQUISITE MUST BE MET TO ENROLL IN ADVANCED COURSES)

PHYSICAL EDUCATION 9

Grade Level: 9

Course # 2700

Prerequisite: *None*

Length: Year

This course meets MVUSD graduation requirements for Physical Education. **This course is required of all freshmen.** This course will emphasize the development of movement skills and movement knowledge, self-image, personal growth, and social evolution. Students will be introduced to and participate in a variety of individual, dual, and team sports and activities. Daily participation in exercises that improve flexibility, muscle strength, and cardiovascular endurance will emphasize the benefits of lifetime health and fitness. In addition, concepts in total personal fitness and wellness will be covered. State mandated physical fitness test will be administered in the spring semester.

***Note Athletic PE cannot be taken in lieu of PE 9. NJROTC can be taken in lieu of PE 9.**

AEROBIC CONDITIONING AND FITNESS

Grade Level: 10- 12

Course # 2800

Prerequisite: *Successful completion of Physical Education 9*

Length: Year

This course meets the second year of MVUSD graduation requirements for physical education or elective credit. This course is designed for the highly motivated student interested in a total fitness program with an emphasis on aerobic activity. The student will use a variety of aerobic activities (aerobic dance, step aerobics, water aerobics, kick-boxing, jump rope, walking, jogging, light weights, resistance exercise, and fitness DVD's) to increase cardiovascular endurance, flexibility, muscular strength and overall fitness. This course will also focus on the development of movement skills and movement knowledge, self-image and personal growth, and social evolution.

BODY COMPOSITION AND FITNESS

Grade Level: 10-12

Course # 2810

Prerequisite: *Successful completion of Physical Education 9*

Length: Year

This course meets the second year of District graduation requirements for physical education or elective credit. This course is designed for the student interested in total fitness with an emphasis in weight training. Students will be introduced to weight training as it applies to muscle toning, strength training and bodybuilding through a variety of training programs. This course will also focus on the development of movement skills and movement knowledge, self-image and personal growth and social evolution.

COURT SPORTS

Grade Level: 10-12

Course # 2820

Prerequisite: *Successful completion of Physical Education 9*

Length: Year

This course meets the second year of MVUSD graduation requirements for physical education or elective credit. This course is designed for students interested in participating in team court sports with an emphasis on basketball, volleyball and badminton. Basic skills and techniques along with rules and strategies for each sport will be covered. Daily participation in exercises that improve flexibility, muscle strength, and cardiovascular endurance will emphasize the benefits of lifetime health and fitness. This course will also focus on the development of movement skills and movement knowledge, self-image and personal growth, and social evolution.

DANCE I

Grade Level: 10- 12

Course # 7220

Prerequisite: *Successful completion of Physical Education 9*

Length: Year

This course meets UC/CSU Visual & Performing Arts and MVUSD requirements for Physical Education or Visual and Performing Arts. This course is designed to provide students with opportunities to explore dance as an art and physical exercise. Students will be introduced to a variety of styles of dance including jazz, lyrical, modern, ballet, musical theater, and multi-cultural. This course will also focus on the development of movement skills and movement knowledge, self-image and personal growth, and social evolution.

DANCE II

Grade Level: 10-12

Course # 7230

Prerequisite: *Grade C or better in Dance I and teacher approval*

Length: Year

This course meets UC/CSU (f) and MVUSD requirements for the second year of Physical Education or Visual & Performing Arts. This course is designed to provide students with opportunities to explore Dance as both art and physical exercise with opportunities for student performances of acquired skills with emphasis on exploring dance forms including intermediate jazz, lyrical, modern character and ballet. The components covered in dance include aesthetic perception, creative expression, choreography concepts, and aesthetics valuing.

ADVANCED DANCE CHOREOGRAPHY PRODUCTION (DANCE III)

Grade Level: 10-12

Course # 7231

Prerequisite: *Audition only and teacher approval*

Length: Year

Course Description

Dance III is designed for the highly motivated dance student. Students in the course will be exposed to advanced dance technique in the areas of ballet, modern, jazz, lyrical/contemporary, and hip-hop. Through the introduction of these advanced techniques, the students will gain a working vocabulary of movement that will help them progress further with their improvisational skills and choreography. Classroom activities will include dance improvisation, student choreography, preparation for a dance production, and opportunities for student performance of acquired technical skill. Daily participation in exercises that improve flexibility, muscle strength, dance technique, and cardiovascular endurance will emphasize the benefits of lifetime health and fitness. Students will have the opportunity to see live performances and respond critically through written form. Dance theories in historical context and with an overview on cultural diversity will be taught. Injury prevention, health, nutrition for dancers, and postsecondary dance career and school opportunities will also be explored through the duration of this course.

Goals for Artistic Communication Component

This goal is to demonstrate to students how they can naturally use artistic forms of communication to transition to a variety of styles of dance. Students become more effective and efficient at using their natural artistic abilities as they come to realize that art and dance are both accessible and intrinsic in their day to day lives.





PHYSICAL EDUCATION

RECREATIONAL AND LIFETIME ACTIVITIES

Course # 2840

Prerequisite: *Successful completion of Physical Education 9*

Length: Year

This course meets the second year of MVUSD graduation requirements for physical education or elective credit. This course is designed for students interested in participating in popular recreational activities such as softball, bowling, tennis, Volleyball, Frisbee, over the line, badminton, table tennis, swimming/snorkeling and other recreational activities. Basic skills and techniques along with rules and strategies for each activity will be covered. Daily participation in exercises that improve flexibility, muscle strength, and cardiovascular endurance will emphasize the benefits of lifetime health and fitness. This course will also focus on the development of movement skills and movement knowledge, self-image and personal growth, and social evolution.

Grade Level: 10-12

TEAMFIELD SPORTS

Course # 2850

Prerequisite: *Successful completion of Physical Education 9*

Length: Year

This course meets the second year of MVUSD graduation requirements for physical education or elective credit. This course is designed for students interested in participation in team field sports such as flag football, Ultimate Frisbee, softball, lacrosse, speed ball, soccer, and other team/field games. Basic skills and techniques along with rules and strategies for each sport will be covered. Daily participation in exercises that improve flexibility, muscle strength, and cardiovascular endurance will emphasize the benefits of lifetime health and fitness. This course will also focus on the development of movement skills and movement knowledge, self-image and personal growth, and social evolution.

Grade Level: 10-12

WALKING FOR FITNESS

Course # 2835

Prerequisite: *Successful completion of Physical Education 9*

Length: Year

This course meets MVUSD approval for the second year of Physical Education graduation requirements. This course is designed for the student interested in a total fitness program with an emphasis on fitness walking. Students will learn basic walking techniques to build strength, stamina and strategies for setting goals and staying motivated. Daily participation in exercises that improve flexibility, muscle strength, muscle endurance and cardio-respiratory endurance will emphasize the benefits of lifetime health and fitness. This course will also focus on the development of movement skills and movement knowledge, self-image and personal growth, and social evolution. Each student will be required to keep a journal.

Grade Level: 10-12

LIFEGUARD TRAINING

Course # 2797

Grade Level: 10-12

Prerequisite: *Successful completion of Physical Education 9, at least 15 years of age, must be able to swim 500 yards continuously, be able to surface dive retrieving a 10 lb. brick and swim with it 20 yards. Students must successfully complete the Lifeguarding portion of the course to be eligible for second semester (semesters must be taken concurrently).*

Length: Year (Fall Semester Lifeguard Certification; Spring Semester Water Safety Instructor Certification). Both certifications are needed for employment.

This course meets MVUSD graduation requirements for Physical Education or Elective credit. The first semester course provides instruction, demonstration of skills, and knowledge needed to prevent and respond to aquatic emergencies. This portion of the course fulfills the requirements for the American Red Cross certification in Lifeguard Training including CPR/AED, and First Aid. During the second semester students will be taught the Red Cross Water Safety Instructor course. This rigorous course of instruction includes stroke breakdown for all levels, games and motivational techniques, practice teaching for swim students of all ability levels, and working with special needs students. Upon successful completion of this semester the student will be Red Cross certified as a Water Safety Instructor. Students completing both the Lifeguarding and WSI certifications will be globally employable as a Lifeguard and Swim Instructor. Students must pay for American Red Cross and Water Safety Instruction certification.



ATHLETICS

Note: Athletic Physical Education courses meet District graduation requirements for physical education credit for 10th grade. Athletic physical education courses meet district graduation requirements for elective credit for 10th, 11th and 12th grades. All students must successfully complete try-outs before being placed on team rosters. Students must be eligible with an athletic physical, a minimum grade point average of 2.0 and have approval from the coach and Athletic Director before entering the class.

All students are invited to be a part of Mesa Athletics. Incoming 9th grade students are encouraged to do their best in the classroom and get involved at Mesa by participating in activities and athletics. We recommend that student athletes participate in 2 or 3 sports during their high school career. The following is a list of sports offered at Murrieta Mesa High School:

NOTE: *Athletes must maintain a minimum 2.0 GPA and pass at least 20 units each grading period to participate in interscholastic athletic programs.*

SPECIAL NOTE: *Athletic PE is based on varsity roster and course and instructor availability.*





ATHLETICS cont.

BOYS ATHLETIC PE

Grade Level: 10-12

Prerequisite: *Must be listed on Coach's Varsity team roster*
Length: Year

Football (Fall Sport)	Course #2855
Water Polo (Fall Sport)	Course #2916
Cross-Country (Fall Sport)	Course #2907
Basketball (Winter Sport)	Course #2903
Soccer (Winter Sport)	Course #2919
Wrestling (Winter Sport)	Course #2931
Baseball (Spring Sport)	Course #2901
Swimming (Spring Sport)	Course #2915
Track (Spring Sport)	Course #2926
Golf (Spring Sport)	Course #2912
Tennis (Spring Sport)	Course #2922

GIRLS ATHLETIC PE

Grade Level: 10-12

Prerequisite: *Must be listed on Coach's Varsity team roster*
Length: Year

Volleyball (Fall Sport)	Course #2927
Tennis (Fall Sport)	Course #2923
Golf (Fall Sport)	Course #2913
Cross-Country (Fall Sport)	Course #2908
Basketball (Winter Sport)	Course #2904
Soccer (Winter Sport)	Course #2920
Water Polo (Winter Sport)	Course #2917
Wrestling (Winter Sport)	Course #2931
Softball (Spring Sport)	Course #2929
Swimming (Spring Sport)	Course #2914
Track (Spring Sport)	Course #2926



NJROTC

NJROTC—NAVAL SCIENCE LEVEL I

Course # 7985

Grade Level: 9-12

Prerequisite: *2-year commitment required*
Length: Year

This course meets MVUSD graduation requirements for elective or physical education credit. The NJROTC program is designed to instill in students the values of citizenship, patriotism, personal responsibility and a sense of accomplishment. The purpose of NJROTC I is to introduce students to the meaning of citizenship, the elements of leadership, and the value of scholarship in attaining life goals; promote an awareness of the importance of a healthy lifestyle, including physical fitness, a proper diet, and controlling stress; drug awareness; provide the principles of health and first aid, geography and survival skills and an overview of Naval ships and aircraft. These elements are pursued at the fundamental level. Course Content includes introduction to the NJROTC program; introduction to Leadership, Citizenship and the American Government; introduction to Wellness, Fitness, and First Aid to include diet, exercise and drug awareness, introduction to Geography, Orienteering, Survival and Map Reading Skills; Financial Skills and introduction to the U. S. Navy.



NJROTC

NJROTC - NAVAL SCIENCE LEVEL II

Course # 7986

Grade Level: 10 -12

Prerequisite: *Successful completion of LE I*
Length: Year

This course meets MVUSD graduation requirements for elective or physical education credit. The NJROTC program is designed to instill in students the values of citizenship, patriotism, personal responsibility and a sense of accomplishment. The purpose of NJROTC II is to build on the general introduction provided in Naval Science 1, to further develop the traits of citizenship and leadership, and to introduce cadets to the technical areas of naval science and the role of the U. S. Navy in maritime history and the vital importance of the world's oceans to the continued well-being of the United States. Course Content includes ongoing instruction into Leadership; introduction to Maritime History, including the American Revolution, Civil War, the rise of the U. S. to world power status, World Wars 1 and 2, the Cold War Era and the 1990s and Beyond; introduction to Nautical Sciences to include Maritime Geography, Oceanography, Meteorology, Astronomy, and Physical Sciences.

NJROTC - NAVAL SCIENCE LEVEL III

Course # 7987

Grade Level: 10 -12

Prerequisite: *Successful completion of LE II*
Length: Year

This course meets MVUSD graduation requirements for elective or physical education credit. The NJROTC program is designed to instill in students the values of citizenship, patriotism, personal responsibility and a sense of accomplishment. The purpose of NJROTC III is to broaden the understanding of students in the operative principles of military leadership, the concept and significance of teamwork, the intrinsic value of good order and discipline in the accomplishment of objectives, and the importance of sea power and national security. Students gain a more in-depth knowledge of Naval ships and aircraft and an introduction to marine navigation and seamanship. The Course Content includes instruction in Sea Power and National Security, Naval Operations and Support Functions, Military Law, and International Law and the Sea. Provides introduction to Ship Construction and Damage Control, Shipboard Organization and Watch Standing, Basic Seamanship, Marine Navigation, and Naval Weapons and Aircraft with ongoing instruction in leadership, citizenship and discipline.

NJROTC - NAVAL SCIENCE LEVEL IV

Course # 7988

Grade Level: 10 -12

Prerequisite: *Successful completion of LE III*
Length: Year

This course meets MVUSD graduation requirements for elective or physical education credit. The NJROTC program is designed to instill in students the values of citizenship, patriotism, personal responsibility and a sense of accomplishment. The purpose of NJROTC IV is to focus practical leadership techniques and implementation. The intent is to assist seniors in understanding leadership and improving their leadership skills by putting them in positions of leadership, under supervision, then helping them analyze the reasons for their varying degrees of success throughout the year. Classroom activities include seminars, reading assignments, classroom presentations, and practical work with younger cadets. Seniors are mentored/guided in their preparation for life after high school to include college preparation, scholarship applications, and the variety of choices that are available to them. Course content includes instruction in theoretical and applied aspects of leadership, training, and evaluation of performance. Students will become aware of the techniques used to create motivation, develop goals and activities for a work group, and the proper ways to set a leadership example. Students are provided access to ACT/SAT prep courses, guidance in selecting a college and pursuing available scholarships, and mentoring in establishing long range life goals.



WORLD LANGUAGES

Approved World Language Courses meet the (e) requirement for admission to the UC/CSU systems.

AMERICAN SIGN LANGUAGE I

Course # 4050 Grade Level: 10-12

Prerequisite: *Grade of C or better in previous English course*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for world language credit. Students will learn about the language and culture of the deaf community. Introductory-level receptive and expressive skills will be developed through a variety of instructional activities. Emphasis will be placed on expression in the target language on a regular basis in order to enhance student's linguistic abilities.

AMERICAN SIGN LANGUAGE II

Course # 4060 Grade Level: 10 - 12

Prerequisite: *Grade C or better in ASL I and teacher approval*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for elective credit. Students will learn about the language and culture of the deaf community. Intermediate-level receptive and expressive skills will be developed through a variety of instructional activities. Emphasis will be placed on expression in the target language on a regular basis in order to enhance student's linguistic abilities.

AMERICAN SIGN LANGUAGE III

Course # 4070 Grade Level: 11-12

Prerequisite: *Grade C or better in ASL II and teacher approval*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements. Students will learn about the language and culture of the deaf community. Advanced intermediate-level receptive and expressive skills will be developed through a variety of instructional activities. Emphasis will be placed on expression in the target language on a regular basis in order to enhance student's linguistic abilities. Use of expressive communication will vary from 75% to 100%, while receptive communication will range from 75% to 95% during instructional time.

AMERICAN SIGN LANGUAGE IV

Course # 4080 Grade Level: 11-12

Prerequisite: *Grade C or better in ASL III and teacher approval*

Length: Year

This course meets UC/CSU (e) and District graduation requirements. Students will learn about the language and culture of the deaf community. Advanced-level receptive and expressive skills will be developed through a variety of instructional activities. Emphasis will be placed on expression in the target language on a regular basis in order to enhance student's linguistic abilities. Use of expressive and receptive communication will remain at 100% during instructional time.

CHINESE I

Course # 4400

Prerequisite: *Grade of C or better in previous English course*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for world language credit. It is recommended that 9th graders have a 3.0 GPA in order to enroll. This course is designed for students who are taking Chinese as a second language. Students will develop basic communicative and literacy skills. Instructions will consist of learning grammatical structures, reading short stories, writing short compositions with simple and compound sentences, and doing oral presentations. Students will also be exposed to the history, geography, and culture of the Chinese speaking world. There will be different types of assessments, including multiple choice tests, short essays and portfolios. This course prepares students to take Chinese II the following year.

Grade Level: 9 -12

CHINESE II

Course # 4401

Prerequisite: *Grade C or better in Chinese I and teacher approval*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for world language credit. This course is designed for students who are taking Chinese as a second language. Students will continue developing their communicative and literacy skills. Instruction will consist of learning compound grammatical structures, reading traditional short stories from China, writing compositions with simple, compound and complex sentences, and doing oral presentations. Students will also be exposed to the history, geography, and culture of the Chinese speaking world. There will be different types of assessments, including portfolios, multiple choice tests and essays. This course prepares students to take Chinese III the following year.

Grade Level: 10 -12

CHINESE III

Course # 4402

Prerequisite: *Grade C or better in Chinese II and teacher approval*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for world language credit. Chinese Level III is designed to help students develop a higher level of competency in the Chinese language. More complex sentence structure study, deeper grammatical understanding, and some literary concepts are covered as they pertain to Chinese language and culture. Instruction will consist of learning advanced grammatical structures, reading traditional stories, writing compositions, literary responses, essays, keeping a journal, and doing oral presentations. Students are expected to read, write and critically discuss literary works. There will be different types of assessments, including portfolios, multiple choice tests and essays.

Grade Level: 10 -12

ADVANCED PLACEMENT CHINESE LANGUAGE

Course # 4404

Grade Level: 11-12

Prerequisite: *Grade B or better in Chinese III, teacher approval and signed AP Contract.*

Length: Year

This course is awaiting UC/CSU (e) and MVUSD approval for world language credit. Students will further develop their proficiencies across the full range of the language skills within a cultural frame of reference reflective of the richness of Chinese language and culture. Students will interpret literature and current events in the target language, and be presented with realistic situations and specialized vocabulary which will encourage and enable conversation in the target language. Instructional materials and activities are adapted from authentic sources to support the linguistic and cultural goals of the course. **Students are encouraged to take the AP exam and sign the AP contract.**





WORLD LANGUAGES

Approved World Language Courses meet the (e) requirement for admission to the UC/CSU systems.

FRENCH I

Grade Level: 9-10

Course # 4200

Prerequisite: *Grade of C or better in previous English course*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for world language credit. It's recommended that 9th graders have a 3.0 GPA in order to enroll. Students will develop basic communicative and literacy skills. Instruction will consist of learning grammatical structures, reading short stories, writing short compositions with simple and compound sentences, and doing oral presentations. Students will also be exposed to the history, geography, and culture of the French speaking world. There will be different types of assessments, including multiple choice tests, short essays and portfolios. This course prepares students to take French II the following year.

FRENCH II

Grade Level 10-12

Course # 4210

Prerequisite: *Grade C or better in French I and teacher approval*

Length: Year

This course meets UC/CSU (e) and MVUD graduation requirements for world language credit. Students will continue developing their communicative and literacy skills. Instruction will consist of more advanced grammatical structures, reading traditional short stories from French authors, writing compositions with simple, compound and complex sentences, and doing oral presentations. Students will also be exposed to the history, geography, and culture of the French speaking world. There will be different types of assessments, including portfolios, multiple choice tests and essays. This course prepares students to take French III the following year.

FRENCH III

Course # 4220

Grade Level: 11- 12

Prerequisite: *Grade C or better in French II and teacher approval*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for world language credit. Students will learn about the language and culture of the French speaking world. Advanced intermediate-level skills in listening, reading, writing and speaking will be developed through a variety of instructional activities. Emphasis will be placed on regular oral communication in the target language in order to enhance student's linguistic abilities. The amount of instructional time spent in French and student use of the target language will begin at 75% and increase to 95% by the end of the year.

ADVANCED PLACEMENT FRENCH LANGUAGE

Course # 4230

Grade Level: 11- 12

Prerequisite: *Grade A or B in French III, teacher approval and signed AP contract.*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for world language credit. AP French language seeks to develop language skills - listening, speaking, reading, writing - that apply in many subject areas rather than any single subject matter. It includes study of French-speaking countries, people and culture inherent in the study of any language and will include a systematic review of the basic points of grammar and verb conjugations with emphasis on areas where French and English conflict. The finer grammatical points that contribute to an increased ability to write and speak correctly, with minimal interference from the English language will also be addressed. Students can expect to spend an additional 4-5 hours per week outside of class on homework, review, research

SPANISH I

Grade Level: 9 -12

Course # 4100

Prerequisite: *Grade of C or better in previous English course*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for world language credit. It is recommended that 9th graders have a 3.0 GPA in order to enroll. This course is designed for students who are taking Spanish as a second language. Students will develop basic communicative and literacy skills. Instructions will consist of learning grammatical structures, reading short stories, writing short compositions with simple and compound sentences, and doing oral presentations. Students will also be exposed to the history, geography, and culture of the Spanish speaking world. There will be different types of assessments, including multiple choice tests, short essays and portfolios. This course prepares students to take Spanish II the following year.

SPANISH II

Grade Level: 9 -12

Course # 4110

Prerequisite: *Grade C or better in Spanish I and teacher approval*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for world language credit. This course is designed for students who are taking Spanish as a second language. Students will continue developing their communicative and literacy skills. Instruction will consist of learning compound grammatical structures, reading traditional short stories from Latin America and Spain, writing compositions with simple, compound and complex sentences, and doing oral presentations. Students will also be exposed to the history, geography, and culture of the Spanish speaking world. There will be different types of assessments, including portfolios, multiple choice tests and essays. This course prepares students to take Spanish III the following year.

SPANISH III

Grade Level: 10 - 12

Course # 4120

Prerequisite: *Grade C or better in Spanish II and teacher approval*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for world language credit. This course is designed for students who are taking Spanish as a second language. Students will continue developing their academic language proficiency in Spanish through communicative and literacy instructions. Instruction will consist of learning advanced grammatical structures, reading traditional stories from Latin America and Spain, writing compositions, literary responses, essays, keeping a journal, and doing oral presentations. Students are expected to read, write, and critically discuss the literary works. There will be different types of assessments, including portfolios, multiple choice tests and essays. This course prepares students to take Spanish IV or Advanced Placement (AP) Spanish Language the following year.



WORLD LANGUAGES

Approved World Language Courses meet the
(e) requirement for admission to the UC/CSU systems.

ADVANCED PLACEMENT SPANISH LANGUAGE

Course # 4130

Grade Level: 11-12

Prerequisite: *Grade B or better in Spanish III, or Spanish for Spanish Speakers II, teacher approval and signed AP contract*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for world language credit. The Advanced Placement Spanish language course seeks to develop language skills – listening, speaking, reading and writing - that apply in many subject areas rather than any single subject matter. The AP course includes the study of the Spanish-speaking countries, people and culture, inherent in the study of any language. Furthermore, the course will include a systematic review of the basic points of grammar and verb conjugations with emphasis on areas where Spanish and English conflict. The finer grammatical points that contribute to an increased ability to write and speak correctly, with minimal interference from the English language will also be addressed. Students can expect to spend an additional 4-5 hours per week outside of class on homework, review, research and/or practice. **Students are encouraged to take the AP exam.**

ADVANCED PLACEMENT SPANISH LITERATURE

Course # 4133

Grade Level: 11-12

Prerequisite: *Grade B in Spanish III or Grade C or better in AP Spanish Language, teacher approval, signed AP contract*

Length: Year

This course meets UC/CSU (e) and MVUSD approval for graduation requirements for world language credit. The Advanced Placement Spanish Literature course prepares students to take the AP Spanish Literature exam and develop proficiency by analyzing and interpreting literary texts in Spanish. AP Spanish Literature places an emphasis on reading literature, thematic poetry and text analysis. It also emphasizes the composition of Spanish essays on a variety of literary topics requiring critical thinking, comparisons and contrasts. **Students are encouraged to take the AP exam.**

ESPAÑOL PARA

HISPANOHABLANTES NIVEL I

Grade Level: 9-12

Curso # 4150

Requisito: *Recomendación del maestro*

Duración: un año

Este curso satisface los requisitos de UC/CSU y del distrito para dar crédito académico en la lengua extranjera o crédito electivo. Este curso está diseñado para desarrollar el nivel del lenguaje académico de los hispanohablantes. En esta clase, los estudiantes desarrollarán el nivel académico en la comunicación y la lecto-escritura. Habrá énfasis en la lectura, escritura, vocabulario, y estructuras gramaticales. Con la conclusión de este curso, el estudiante podrá tomar Español para Hispanohablantes nivel II el siguiente año.

SPANISH FOR SPANISH SPEAKERS I

Course # 4150

Grade Level: 9-12

Prerequisite: *Teacher placement based on assessment*

Length: Year

This course meets UC/CSU (e) and MVUSD graduation requirements for World Language or elective credit. This course is designed to develop Spanish speaking students' academic language proficiency through instruction in reading and writing. Language usage, vocabulary, writing, reading and grammatical structures are emphasized. This course prepares students to transition into Spanish for Spanish Speakers II.

ESPAÑOL PARA

HISPANOHABLANTES NIVEL II

Grade Level: 10-12

Curso # 4160

Requisito: Grado satisfactorio, mínimo de una C in SSSI o recomendación del maestro

Duración: un año

Este curso satisface los requisitos de UC/CSU y del distrito para dar crédito académico en la lengua extranjera o crédito electivo. Este curso está diseñado para continuar el desarrollo del nivel del lenguaje académico de los hispanohablantes. Los estudiantes continuarán desarrollando el nivel académico en la comunicación y la lecto-escritura a través de lecturas de obras literarias tradiciones y clásicas iberoamericana, escritos de reacciones literarias, composiciones, diarios y ensayos. Habrá énfasis de estructuras gramaticales en el modo indicativo y subjuntivo con oraciones simples, compuestas y complejas. Se espera que los estudiantes lean, analicen, y discutan críticamente las Obras literarias. Se incluirán diferentes formas de evaluaciones, incluyendo pruebas de lectura, ensayos y portafolios. Con la conclusión de este curso, el estudiante podrá tomar español avanzado el siguiente año.

SPANISH FOR SPANISH

SPEAKERS II

Grade Level: 10-12

Course # 4160

Prerequisite: *Grade C or better in Spanish for Spanish Speakers I*

Length: Year

This course meets UC/CSU (e) and MVUSD requirements for world language or elective credit. This course is designed to develop Spanish speaking students' academic language proficiency in Spanish. Students will continue to develop their level of language proficiency through communicative and literacy based instructions, which will consist of reading traditional and classical literary works from Spain and Latin-American authors, writing compositions, literary responses, keeping a journal, and essays. Grammatical structures in the indicative and subjunctive mood with simple, compound and complex sentences will be emphasized. Students are expected to read, write, and critically discuss the literary works. There will be different types of assessments, including multiple choice tests, essays and portfolios. This course prepares students to take Advanced Placement (AP) Spanish Language the following year.





BUSINESS/CULINARY PATHWAY

MULTIMEDIA DESIGN I

Grade Level: 9—12

Course # 7750

Prerequisite: *None*

Length: Year

This first-year course meets the MVUSD graduation requirements for Visual and Performing Arts and/or elective credit. This course meets the (f) requirement for admission to the UC/CSU systems.

This one year introductory level multimedia course's focus is based on a correlated curriculum that has a balanced emphasis on the VPA and Art Media and Entertainment standards. Students will convey creative expression through digital media applications. They learn the basic language and elements of art techniques to create interactive products to educate, inform, and entertain. The purpose is to enable students to understand and appreciate artistic expression and study the impact of multimedia on our society from a social economic and political viewpoint. Students will reflect, discuss, evaluate, and write with discrimination about the media and careers studied. History of photography, graphic design, animation, web development, and filmmaking will be studied. This course offers intensive hands-on production through project based assignments and strives to nurture individual talents and skills. Students will meet Visual Art, Common Core State Writing Standards, and Art, Media, and Entertainment standards while encouraging students to become creative and thoughtful practitioners in the world of computer media. This course is aligned with the requirements for MSJC articulation with Multimedia 110. Students have the opportunity to earn 3 community and CSU college elective credits by passing the required exit exam.

MULTIMEDIA DESIGN II

Grade Level: 10—12

Course # 7751

Prerequisite: *Grade of C or better in Intro to Multimedia Design I, Graphic Design I*

Length: Year

This course meets MVUSD graduation requirements for elective credit. This course is an overview of the computer based design industry, applying advanced digital image creation methods and output options. *Multimedia Design II* builds upon the skills acquired from *Multimedia Design I* or *Graphic Design I*, and also gives an overview of careers in the field. Media output topics include designing for print and web content and interactive media projects created will consider optimum audience interaction. Photographic skills, including camera function and aesthetics will be used to create meaningful digital images for use in multimedia. Software titles include, but are not limited to: After Effects, Animate, Illustrator, Photoshop, Garageband/Logic, Premier/Final Cut Pro. Students will have the opportunity to further develop their skills with the Adobe Creative Cloud applications and get the training of necessary skills for success in a post-secondary education institution and/ or in an entry-level position in the field of Media Arts.

MULTIMEDIA DESIGN III Grade Level: 11—12

Course #7752

Prerequisite: *Grade of C or better in Multimedia Design II*

Length: Year

CTE CULINARY ARTS

Grade Level: 10 - 12

Course # 7925

Prerequisite: *The ability to understand and carry out required health and safety standards, safely handle sharp kitchen tools and operate kitchen equipment and use independent judgment in planning and carrying out a sequence of activities. Students must be free from communicable diseases and have clean personal habits and dress and use diplomacy and tact in dealing with customers. There is a dress requirement which complies with health sanitation and safety laws (State Law AB1978) and HACCP regulation for dress code.*

Length: Year

This course meets MVUSD requirements for elective credit. The purpose of this course is to prepare students for culinary school and a career in the restaurant business. The Culinary Arts course combines elements of artistry, science and business skills to prepare students for an exciting career in the culinary field. Students will learn the proper use of kitchen tools, equipment, portion control, measurement, menu planning and budgeting, sanitation and safety, personal hygiene, job search and interpersonal skills and attributes necessary for success in the restaurant industry.

CTE INTERNATIONAL CUISINE

Grade Level: 12

Course # 7930

Prerequisite: *Successful completion of Culinary Arts-Baking and teacher approval. Interest in obtaining an entry-level position in hospitality services and food handling positions. Student may need to supply evidence of a negative TB skin test and obtain a Food Handler's Card, at the cost of the student.*

Length: Year

This course meets MVUSD requirements for elective credit. This class is designed for students who have an interest in the growing field of hotels and tourism and wish to gain the necessary skills for employment. The Hospitality course includes, hotel operations, food service, hospitality, travel and tourism, theme parks, customer service, communications, and special event and conference planning. Students will learn personal presentation skills, job search, interpersonal skills and attributes necessary for success in the hospitality industry.

CTE CULINARY ARTS-BAKING

Grade Level: 11 - 12

Course # 7927

Prerequisite: *Successful completion of Culinary Arts and teacher approval. The ability to understand and carry out required health and safety standards, safely handle sharp kitchen tools and operate kitchen equipment and use independent judgment in planning and carrying out a sequence of activities. Students must be free from communicable diseases and have clean personal habits and dress and use diplomacy and tact in dealing with customers. There is a dress requirement which complies with health sanitation and safety laws (State Law AB1978) and HACCP regulation for dress code.*

Length: Year

This course meets MVUSD requirements for elective credit. The purpose of this course is to prepare students for culinary school and a career in the restaurant business. The Culinary Arts course combines elements of artistry, science and business skills to prepare students for an exciting career in the culinary field. Students will learn the proper use of kitchen tools, equipment, portion control, measurement, menu planning and budgeting, sanitation and safety, personal hygiene, job search and interpersonal skills and attributes necessary for success in the restaurant industry.





BUSINESS/CULINARY PATHWAY

**Approved Elective Courses meet the
(g) requirement for admission to the UC/CSU systems.**

CAREER / I.C.T

Grade Level: 9

Course # 7560

Prerequisite: *None*

Length: Semester

Course Description: This course meets District graduation requirements and it is required of all Freshmen. Career I.C.T. is a course that provides the student with base knowledge for learning in the 21st century. It incorporates defining, evaluating, managing and communicating information, media literacy, and career development skills through the use of research, critical thinking, self-exploration, problem solving, and career readiness skills. Students will learn how to locate, use, evaluate and access the information from the California College Guidance Initiative that aligns with the Senior Culminating Project and which encourages students to adapt, to change and pursue their life passions. Students not only learn about careers and colleges, but learn basic operations in Microsoft Office Suite to effectively use the Internet and other applications necessary for future achievement.

SPORTS/ENT. MARKETING

Grade Level: 10-12

Course # 7645

Prerequisite: *None*

Length: Year

This course meets MVUSD graduation requirements for elective credit. (Pending A—G approval) Learn about the various college and professional sports programs and leagues. Discover the entertainment industry from talent agents to the many awards shows (Grammys, Emmys, Oscars, Tonys, and more). Discuss and analyze movies such as MoneyBall, 42, and learn about the biographies of top celebrities and athletes. Plan, create, and design your own stadium for Murrieta and develop a business plan to make it work. Market a product by performing a sales presentation and experience owning your own Sports Franchise and Hotel by participating in two computer simulations as you are challenged to make a profit.

BUSINESS PRINCIPLES AND MANAGEMENT

Course # 7620

Grade Level: 9 -12

Prerequisite: *None*

Length: Year

This course meets the MVUSD requirements for elective credit and is pending A-G certification and MSHC articulated college credit. This course will explore the skills needed to manage and operate a business. You will also study the selling process and design and market your own game. Investing is part of the class as you will buy/sell stocks while you experience four different computer simulations: *Personal Finance* --Living your life after high school as you get an apartment, job, and/or college. *Retail* -- Run your own business from hiring employees to ordering products and setting prices. *Hotel* -- Operate your own hotel and compete against your peers. *Management* -- Hire/fire employees, manage your departments, and schedule deliveries to your customers.

ACCOUNTING I

Course # 7600

Grade Level: 10-12

Prerequisite: *Completion of Algebra I*

Length: Year

This course meets District requirements for elective credit, or one (1) year of math after the successful completion of Algebra I and one additional math course. This course is designed for students interested in pursuing a career in Business or Accounting. The focus of the course is on manual and automated accounting procedures, with an emphasis on the language of business, and providing initial knowledge needed for an accounting career. Students will learn the basic principles of double entry accounting systems for service and merchandising businesses organized as sole proprietorships, partnerships, and corporations. Students will use and become familiar with current accounting software programs such as QuickBooks.





ENGINEERING/COMPUTER SCIENCE PATHWAY

Approved Elective Courses meet the (g) requirement for admission to the UC/CSU systems.

DRAFTING I/ ARCHITECTURE Grade Level: 9-12

Course # 7700

Prerequisite: *Basic math skills*

Length: Year

This course meets MVUSD requirement for elective credit. Drafting I is the introductory course into the field of drafting, engineering, and architecture. During the first semester, students will be introduced to manual drafting and learn the care and use of drafting tools and equipment. Students will learn to measure to exact tolerances and use correct lettering and dimensioning techniques. The course includes the study and practice in multi-view drawing, sectioning, working drawings, pattern development and an introduction to architecture. During the second semester, students will be introduced to AutoCAD 2010.

DRAFTING II/DESIGN ENGINEERING

Grade Level: 10- 12

Course # 7710

Prerequisite: *Successful completion of Drafting I /instructor approval*

Length: Year

This course meets MVUSD requirement for elective credit. Drafting II is an intermediate level course into the field of drafting, engineering, and architecture. Students will work with The Autodesk Design Academy which will incorporate 3D modeling, architectural rendering, and animation projects. The course includes the study and practice in planning and designing commercial, residential, institutional and environmental space forms. Students will use Autodesk Inventor. Students passing with a B or better on the year end final exam will receive 3 college units for Mt. San Jacinto Community College.

EXPLORING COMPUTER SCIENCE

Course #7570

Grade Level: 9-12

Prerequisite: *(ICT Careers) Algebra 1 or equivalent*

Length: Year

This course is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of this course is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues.

AP COMPUTER SCIENCE PRINCIPLES

Grade Level: 10-12

Course # TBA

Prerequisite: Exploring Computer Science or Instructor Approval.

Length: Year

This course introduces the foundational concepts of computer science and challenges students to explore how computing and technology impacts the world. Topics include programming, abstractions, algorithms, big data , digital privacy & security, and societal impacts of computing. **The completion of Summer Homework is Mandatory.**

CYBERSECURITY

Course#7573

Grade level 10-12

Prerequisite: AP Computer Science, ECS or instructor approval

Length: Year

The Cybersecurity Fundamentals Course will provide learners with principles of data and technology that frame and define cybersecurity. Learners will gain insight into the importance of cybersecurity and the integral role of cybersecurity professionals. The interactive and hands –on format will provide a dynamic learning experience where uses can explore foundational cybersecurity principles, security architecture, risk management, attacks, incidents, and emerging IT and IS technologies.





ENGINEERING/COMPUTER SCIENCE PATHWAY

Approved Elective Courses meet the (g) requirement for admission to the UC/CSU systems.

ENVIRONMENTAL ENGINEERING CONCEPTS AND APPLICATIONS I

Grade Level: 9-12

Course # 3600

Prerequisite: *Successful Completion of Algebra I, Geometry*

Length: Year

This course meets MVUSD requirement for elective credit and is waiting UC/CSU approval. The course uses the "Engineer Your World" process created by the University of Texas, which is an innovative, year-long engineering design curriculum for students who want to learn more about engineering and its role in shaping the world. Developed by a team of University of Texas faculty and NASA engineers, *Engineer Your World* engages students in authentic engineering practices in a project-based environment. Students in the class complete a series of socially relevant design challenges to develop engineering design skills and habits of mind.

Student will discover how

- Engineers design products with user in mind (Design for Customers: Customer Needs);
- Engineered solutions evolve over time (discovery Design: The Evolution of Imagery);
- Engineers use data (Understanding Data; Designing the Perfect Cup of Coffee) to improve lives (Design with Data: Safer Building)
- Engineers design the products of our everyday lives (Reverse Engineering and Product Redesign)
- Engineers use computations and programming skill to solve fun and important challenges (Programming Microcontrollers: Electronic Music and Control Systems: Robotics); and
- Engineers work in team to solve complex, system-level design challenges (Ariel Imaging).

Students are required to participate in one Saturday event per semester to further enrich the learning experience by activity participating in an engineering contest. This course will also give students exposure to different types of engineering fields and careers. This is a challenging course with a emphasis on problem solving and requires the student to have strong math skills. At least 70% of the course will include laboratory activities that reinforce the concepts that are part of the curriculum.

ENVIRONMENTAL ENGINEERING CONCEPTS AND APPLICATION II

Grade level 10-12

Course # 3610

Prerequisite: *Successful completion of Geometry, Environmental Engineering I and teacher approval*

Length: Year

Environmental Engineering II meets MVUSD graduation requirement for elective credit and is waiting UC/CSU approval. This course continues to use the "Engineer Your World" process created by the University of Texas, which is an innovative, year-long engineering design curriculum for students who want to learn more about engineering and its role in shaping the world. Developed by a team of University of Texas faculty and NASA engineers, *Engineer Your World* engages students in authentic engineering practices in a project-based environment. Students in the class complete a series of socially relevant design challenges to develop engineering design skills and habits of mind.

Environmental Engineering II is an elective focused on solar, wind, and other sustainable energy literacy in preparation for career opportunities in the emerging green economy. The overall curriculum focuses on the energy (solar and wind), and sustainability components of Environmental Science, while reinforcing English language development and math through real-world application. This course creates a pathway for STEM (Science, Technology, Engineering and Math) related fields, including advancement into higher education as well as immediate career entry. Students are required to participate in one Saturday event per semester to further enrich the learning experience by activity participating in an engineering contest.

This course will also give students exposure to different types of engineering fields and careers. This is a challenging course with a emphasis on problem solving and requires the student to have strong math skills. At least 70% of the course will include laboratory activities that reinforce the concepts that are part of the curriculum.

ENVIRONMENTAL ENGINEERING CONCEPTS AND APPLICATIONS III:

OUR SUSTAINABLE FUTURE

Grade Level: 11-12

Course # 3700

Prerequisite: *Successful completion of Environmental Engineering I & II and Advanced Algebra II*

Length: Year

This course is meets MVUSD graduation requirements for elective credit and is awaiting UC/CSU approval. Topics include renewable energy sources, energy efficiency and manufacturing methods in the energy industry. The course includes the following objectives: basic design principles and technologies of renewable energy systems, benefits and limitations of renewable energy, compare and contrast renewable and non-renewable energy, potential renewable energy technologies to help solve environmental and economic problems, renewable energy in the manufacturing industry, energy efficiency and potential energy savings through energy efficiency and conservation methods. Classes will participate in at least one field trip per semester to further enrich the learning experience by exploring various water and energy systems, both in their natural states and in industry. This course will also give students exposure to different types of engineering fields and careers. This is a challenging course with an emphasis on problem solving and requires the student to have strong math skills. This course requires a twelve week team or individual independent study project in the area of renewable energy.

ENVIRONMENTAL ENGINEERING IV

Course # 3705

Grade Level: 11 –12

Prerequisite: *Successful completion of Environments Engineering III Algebra I and/or Math I*

Length: Year

This course uses the engineering method adapted from "Engineer Your World" process created by the University of Texas to teach design and implementation for renewable energy and recycling. Students will study renewable technologies and recycle systems by building and testing complex VEX-based automation. Students will be introduced to the basic to advanced programming for sensors for renewable energy and recycling systems. Class topics include renewable energy history, recycling history, physics concepts, electronics, system design, automation design, programming, touch and light sensors, electric current, gear ratio and affects. Students will work in small teams to research, design, program, and construct renewable energy and recycling systems in competitions amongst each other. Students will be introduced to strategies that will be utilized for environmental studies such as design and develop oceanography research through robotic controlled submarines, agricultural engineering and automation for plant processing and harvest, and recycling sorting systems. Environmental Automation Technology (E A T) will utilize career preparation standards which include academic skills, communicating individual and team ideas, interpersonal skills, problem solving abilities, safety, renewable technologies, recycling technologies, and employment literacy. Students are encouraged to participate in at least one field trip per semester to further enrich the learning experience by exploring various recycling and automated energy systems, both in their natural states and in industry. This course will also give students exposure to different types of engineering fields and careers. This is a challenging course with a emphasis on problem solving and requires the student to have strong math skills. At least 85% of the course will include laboratory activities that reinforce the concepts that are part of the curriculum.





LIBERAL STUDIES/ EDUCATION PATHWAY

Approved Elective Courses meet the (g) requirement for admission to the UC/CSU systems.

ACADEMIC SEMINAR

Grade Level: 9–10

Course # 5562

Prerequisite: none

This course meets MVUSD graduation requirements for elective credit. The focus of this course will be: goal-setting, organization skills, focused note-taking, critical thinking, higher level questioning, test prep, and college and career research. Students will receive academic support via trained teachers, college tutors and peer academic tutors. Students will have access to trips to local vocational and college sites, professional guest speakers and current college students. It will provide additional instructional time to be utilized as an instructional reinforcement opportunity between a collaborative teaching-team within the content areas.

This course will provide students a bridge for high school academic success and a clear vision for their post-secondary goals. Students will gain the knowledge, skills and understanding of what is required of them to successfully pursue their college and/or career options.

ACADEMIC TUTOR

Grade Level: 11-12

Course # 1950

Prerequisite: *Approval of AVID Coordinator and/or Counselor*

Length: Year

This course meets MVUSD graduation requirements for elective credit. This is an elective course in which mature junior and senior students assist AVID teachers in the AVID classes. Students will lead and assess group inquiry/tutorial sessions and serve as role models for the AVID students. Students will learn about AVID methodologies and will complete certain clerical tasks. Consistent attendance is essential and an AVID Tutor contract must be completed. This course is ideal for students who might want to become teachers or who wish to gain valuable leadership skills.

AVID (Advancement Via Individual Determination)

Course # See Counselor

Grade Level: 9-12

Prerequisite: *Approval of AVID Coordinator and/or Counselor*

Length: Year

The AVID elective is a four year commitment. All AVID courses meet MVUSD graduation requirements for elective credit, but AVID Senior Seminar also meets UC/CSU (g) elective credit. AVID is a program designed to increase school wide learning and performance. As an elective course, AVID prepares students for entrance into four-year colleges by following a curriculum based on analytical writing, focused note-taking, organizational skills, study skills, college and career research, and test taking strategies. Students are provided academic support via trained teachers, peer academic tutors and college tutors. Each grade level will explore the college experience with trips to various college campuses. Selection into the elective course consists of meeting program guidelines, completing the application process and participating in a formal interview.

SENIOR SEMINAR

Grade Level: 12

Course #5531

Prerequisite: *Must be a 12th grade student*

Length: Year

This course meets MVUSD graduation requirements for elective credit. Senior Seminar is a year-long course and **is offered only to 12th grade students who are 4-year college bound**. The class will provide valuable instruction to senior students relating to their post-high school plans. Lessons will focus on identifying postsecondary options consistent with their careers interests, achievement, aptitude, abilities and investigating various colleges. **Students will explore current and future career trends, properly submit college applications, identify and apply for scholarships, understand financial aid and properly complete and submit the FAFSA form. Students enrolled in this class will be required to apply to a minimum of four 4—year colleges.**

CINEMA AS LITERATURE

Course # 1876

Grade Level: 11-12

Prerequisite: *Grade C or better in English II*

Length: Year

This course meets UC/CSU (g) elective and MVUSD Visual and Performing Arts requirements. This course is designed to show students how film is a form of literature. By viewing classic and modern films, students will learn that good films, like good literature, have certain elements in common. They will be expected to understand motifs, symbols, metaphors, allusions, and plot elements as they relate to both film and literature and to develop an appreciation for the interaction of film elements such as scripting, directing, acting, producing, editing cinematography, music, lighting, sound, special effects, set design, and costuming. Students will learn to recognize such film genres as drama, comedy, western, musical, science fiction, horror, action/adventure, animation and documentary.

ADVANCED PLACEMENT HUMAN GEOGRAPHY

Course # 1918

Grade Level: 9—12

Prerequisite: *Teacher approval and signed AP contract*

Length: Year

This course meets UC/CSU (a) elective and MVUSD graduation requirements. The purpose of this course 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. **Students are encouraged to take the AP exam.**

ADVANCED PLACEMENT MACROECONOMICS

Course # 1705

Grade Level: 12

Prerequisite: *Teacher approval and signed AP contract*

Length: Year

This course meets UC/CSU (g) elective and MVUSD graduation requirements for government/economics. This course will give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Course content will emphasize the study of national income and price-level determination and also develop students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. **Students are encouraged to take the AP exam.**



LIBERAL STUDIES/ EDUCATION PATHWAY

Approved Elective Courses meet the (g) requirement for admission to the UC/CSU systems.

LEADERSHIP COURSES

USB /SENATE

Grade Level: 9-12

USB: Course # (1930)

Senate: Course # (1932)

Prerequisite: *Application and Interview*

Length: Year

This course meets MVUSD graduation requirements for elective credit. The program is designed to serve three critical needs: the improvement of self, of school and of community. Leadership is designed for the student interested in learning the basic concepts of democratic government in a laboratory of practical school situations. The student will have opportunities to develop speaking and writing skills, to work with administration, to develop the USB budget, and plan and develop a variety of school activities including assemblies, dances and class competitions. Students will be required to attend after school activities when scheduled. While students meet in the classroom setting, the majority of the practical learning situations are held outside the class and outside the regular school day. Students are required to maintain a 2.5 GPA while part of this program.

PEER LEADERS UNITING STUDENTS

PLUS

Grade Level: 9-12

Course # See Counselor

Prerequisite: *Application and Interview*

Length: Year

This course meets MVUSD graduation requirements for elective credit. Do you enjoy helping others? Do you want to be part of a student team that helps build unity, celebrates students' differences, holds student forums, mediates conflicts and helps 9th graders get linked to the high school? The goal of this program is to empower students to lead, educate, influence and support their fellow peers. They address all issues that affect the learning environment of MMHS. The program includes learning peer assistance leadership skills and establishing honesty, caring, integrity, responsibility and restraint, which will lead to peaceful conflict resolution among individuals. Students will lead forums at elementary schools, middle schools and MMHS with the goal of teaching cultural competence and a deeper understanding of others.

RENAISSANCE

Grade Level: 9 -12

Course # (1934)

Prerequisite: *Application and Interview*

Length: Year

This course meets MVUSD requirements for elective credit. This is a school wide, student driven program designed to reward, recognize and reinforce academic images on campus. Through leadership training, Renaissance students will design and implement rewards based programs for students, teachers and staff. Renaissance is a comprehensive change in attitude and an entirely new way of thinking that brings academic achievement to the forefront at school. It helps students experience the true joy of learning, recognizes our educators as dedicated and valued professionals and increases the involvement of parents and businesses. Renaissance is a revival in the way students, staff, and communities perceive and approach education. It is a proven, viable solution to the scholastic challenge of making academics and academic achievement the primary focus.





MEDICAL PATHWAY

Approved Elective Courses meet the (g) requirement for admission to the UC/CSU systems.

HEALTH CAREERS I

Course # 5400

Length: Year

This course meets MVUSD requirements for elective credit. This introductory course investigates the health care delivery system, its services, occupations, and related sciences. Topics include the study of the language of medicine, medical mathematics, introduction to microbiology concepts, anatomy and physiology, diseases/disorders, diagnoses, treatments, patient/ client care regimens, career development, and present and future technological innovations. Skills in science, mathematics, communications, social studies and health are reinforced in this course. Certification in Basic Life Support (BLS) Cardiopulmonary Resuscitation (CPR) For Health Care Professionals through the American Heart Association will be offered with frequent CPR refresher module activities. Successful completion of this course with a "c" or better or permission from instructor to continue in the next companion course; Health Careers II.

Grade Level 9-12

Prerequisite: *None*

HEALTH CAREERS II

Course # 5402

Length: Year

This course meets MVUSD requirements for elective credit. This is the 2nd year course of a 4 year-long program which deepens its investigation of the health care delivery system, its services, occupations, and related sciences. Topics include the intermediate study of the language of medicine, medical application of the Metric System, Anatomy and Physiology, Diseases/Disorders, Diagnoses, Treatments, patient/ client care regimens, career development, and present and future technological innovations. Skills in science, mathematics, communications, social studies and health are reinforced in this course. Certification in First Responder First Aid and a refresher course in Basic Life Support for Health Care (BLS) for Professionals through the American Heart Association will be offered with frequent module activities.

Grade Level 10-12

MEDICAL TERMINOLOGY

Course # 5403

Length: Year

This course meets MVUSD requirements for elective credit. This is the 3rd year course of a 4 year-long program which deepens its investigation of the language of medicine. This course is an introduction to medical terminology as used by health personnel, including physicians, nurses, dentists, medical secretaries, insurance clerks and medical office assistants. Medical terminology is a useful course in preparation for entrance into any medical course of study such as nursing, emergency medical technician or medical assisting. This class is articulated with Mt. San Jacinto Community College and students may apply for college credit with successful completion of this course.

Grade Level 11-12

SPORTS MEDICINE

Course # 2880

Length: Year

This course meets MVUSD graduation requirements for elective credit. This course is designed to provide students with an introduction to athletic training and sports medicine. Students will learn the methods of prevention, evaluation, treatment, and rehabilitation of athletic injuries. Lectures and laboratory activities will provide an overview of musculoskeletal anatomy and physiology. Emphasis will be placed on the recognition of athletic injuries that occur, and the ability to properly evaluate these injuries. Students will also learn the proper treatment and rehabilitation of injuries, including emergency procedures and basic first aid. Preventative taping and wrapping techniques will also be included. Students will have the opportunity to assist the athletic trainer at various sporting events to gain a "hands on" application of topics covered in the class.

Grade Level: 10-12

ADVANCED SPORTS MEDICINE

Course # 2890

Length: Year

This course meets MVUSD graduation requirements for elective credit. This course is designed to provide students with the practical applications of sports medicine and athletic training. Students will apply the knowledge gained in the sports medicine class by working with athletes and athletic teams. Emphasis will be placed on preventative taping and wrapping, evaluation of actual injuries, and treating and rehabilitating injured athletes – including the development of individual rehabilitation programs to meet the needs of the athlete. Students will also learn athletic training room management skills such as records keeping, injury reporting, inventory, budgeting, and OSHA regulations. A requirement of the course will be assisting the athletic trainer at athletic games and competitions.

Grade Level: 11-12

PSYCHOLOGY

Course # 1900

Length: Year

This course meets UC/CSU elective and MVUSD graduation requirements for elective credit. This course explores the field of individual human behavior and how that behavior interacts with society. This course will explore current theories in areas such as personality development, learning, perception, and abnormal psychology, as well as cover the classic theorists and their contributions to the field. Research on the brain and behavior will also be studied. Assessment procedures will include performance-based and conventional assessments, research projects, and papers.

Grade Level: 10-12

ADVANCED PLACEMENT

PSYCHOLOGY

Course # 1890

Length: Year

This course meets UC/CSU elective and MVUSD graduation requirements for elective credit. **Psychology is not a pre-requisite for AP Psychology.** This course is designed to prepare students to take the Advanced Placement test in psychology offered by The College Board. The course will explore current theories in areas such as personality, development, learning, perception, and abnormal psychology, as well as cover the classic theorists and their contributions to the field. Brain research and behavior will also be studied. Assessments will include performance-based and conventional assessments, research projects, and papers. **Students are encouraged to take the AP exam.**

Grade Level: 10-12





VISUAL & MEDIA ARTS **PATHWAY**

Approved Visual and Performing Arts Courses meet the (f) requirement for admission to the UC/CSU systems.

ART I AND DESIGN

Grade Level: 9-12

Course # 6000

Prerequisite: *None*

Length: Year

This course meets UC/CSU and MVUSD graduation requirements for Visual and Performing Arts or elective credit. This one-year foundation course introduces students to beginning art concepts, materials, skills and ideas. Students will learn new ways to look at a variety of art forms. They will create original works of art while exploring a variety of materials and techniques. In addition to skill development they will learn to include personal experiences, research and planning in project development. Students will begin to explore the art of different historical periods and cultures. Emphasis is on portfolio development, individual growth, and understanding the influence of art from the past and in their daily lives. Students are expected to keep a portfolio of projects and assignments, a notebook of terminology and art related information, and students will also participate in aesthetic critiques. In addition to these expectations and requirements students will be encouraged to capture some completed assignments in visual digital format. Digital format tools provided.

ADVANCED DRAWING AND PAINTING

Grade Level: 10-12

Course # 6030

Prerequisite: *Grade C or better in Art I and Design and teacher approval*

Length: Year

This course meets UC/CSU and MVUSD graduation requirement for Visual and Performing Arts or elective credit. This second year course builds and expands the experiences of Art I and Design. Students will continue to use their drawing and painting skills to create original works of art in a variety of traditional and non-traditional materials and techniques based on demonstrations, lectures and individual research and planning. Students will begin to explore and develop personal goals and philosophies that are reflected in their portfolio. Students will become familiar with major art movements that add to their understanding of different cultures, artists, and historical periods. Students will continue to apply what they have learned to individual growth, problem solving, time management, portfolio development, career research, and the art criticism process. Students are expected to keep a portfolio, a sketch-notebook of projects and assignments, and a notebook of terminology and art related information. Students are required to capture all completed assignments in visual digital format. Digital format tools provided. Students will also participate in aesthetic critiques, in addition, completion of formal written critiques are required for each student

CERAMICS I

Grade Level: 10-12

Course # 6060

Prerequisite: *None*

Length: Year

This course meets the one-year UC/CSU and MVUSD graduation requirements for Visual and Performing Arts or elective credit. The major emphasis of this beginning ceramic course is to provide students with knowledge of ceramic techniques with an emphasis on the interpretation of ceramics as an art form. Students will create personal works of art using pinch, coil, slab, and mold construction methods. Students will also have the opportunity to create ceramic forms using the potter's wheel. An investigation of historical and cultural ceramic applications will provide students with comparative knowledge of form and decoration as well as function. Students are expected to keep a portfolio sketch-notebook of projects and assignments, and a notebook of terminology and ceramic related information. Students will also participate in aesthetic critiques. In addition to these expectations and requirements, students will be encouraged to capture some completed assignments in visual digital format. Digital format tools provided.

CERAMICS II

Grade Level: 10-12

Course # 6070

Prerequisite: *Grade C or better in Ceramics I and teacher approval*

Length: Year

This course meets UC/CSU and MVUSD graduation requirement for Visual and Performing Arts or elective credit. This advanced course allows students to develop and refine skills in ceramic construction. Students create ceramic forms using hand building methods and the potter's wheel. An emphasis is placed on students developing a personal aesthetic style and submitting their work into regional art shows. Students will meet course goals in creative expression, artistic perception, aesthetic valuing and historical and cultural contexts. Students are expected to keep a portfolio, a sketch-notebook of projects and assignments, and a notebook of terminology and ceramic related information. Students are required to capture all completed assignments in visual digital format. (Digital format tools provided) Students will also participate in aesthetic critiques, in addition, completion of formal written critiques are required for each student.





VISUAL & MEDIA ARTS **PATHWAY**

Approved Visual and Performing Arts Courses meet the (f) requirement for admission to the UC/CSU systems.

STUDIO ART

Grade Level: 11-12

Course # 6155

Prerequisite: *Grade C or better in Advanced Drawing and Painting and art teacher approval.*

Length: Year

This course meets MVUSD graduation requirements and is awaiting UC/ CSU approval for visual and performing arts credit. This third year course builds and expands student's drawing and painting skills creating original works in a wide range of art forms and techniques. Students will continue to apply what they have learned to their individual growth, independent work, portfolio development, and the art criticism process. The portfolio will reflect the student's individual interests, investigation, and developmental focus of a concentration topic. Students are expected to keep a portfolio and sketch-notebook of project and assignments. A self-addressed critique of portfolio artwork is required of all students.

ADVANCED PLACEMENT

STUDIO ART

Grade Level: 11-12

Course # 6150

Prerequisite: *Grade B or better in Advanced Drawing and Painting, art teacher approval and signed AP contract. Ceramics I recommended*

Length: Year

This course meets UC/ CSU (f) and MVUSD graduation requirements for Visual Art or elective credit. The AP Studio Art program is offered to serious and highly motivated art-interested students. AP Studio Art is not based on a written exam, but is based on the production of a fine arts portfolio. Students will be challenged to work at a college level and be expected to commit many hours beyond their regular school day towards their art. The portfolio will encompass quality pieces of a variety of art works as well as a number of very focused concentrated pieces representing on particular theme of interest. The successful portfolio, over all, will show the process of investigation, growth and discovery for each individual student. Sketch notebook assignments and written critiques are also required of all students taking this course.

GRAPHIC DESIGN I

Course # 6040

Grade Level: 9-12

Prerequisite: *None (Art I and computer skills recommended)*

Length: Year

This course meets UC/CSU (f) and MVUSD approval for Visual and Performing Arts credit This course provides experience in beginning to intermediate computer graphic art concepts, skills and techniques. Emphasis will be on the development of ideas and practice of design for the purpose of generating visual communications for advertising art. Students will gain the knowledge in creative expressions, artistic perception, and aesthetic valuing. Professional software such as Adobe Illustrator is explored through demonstration and studio practice. Graphics vocabulary, computer terminology and historical appreciation are also emphasized.

GRAPHIC DESIGN II

Course # 6050

Grade Level: 10-12

Prerequisite: *Grade C or better in Graphic Design I and teacher approval*

Length: Year

This course meets UC/CSU (f) and MVUSD approval for Visual and Performing Arts elective credit. This course provides intermediate to advanced experience in computer generated print and beginning experience in multi-media. Professional software will continue to be explored through demonstration and studio practice. This course is designed to develop students' skills, techniques, and creativity. Students will gain knowledge in creative expression, artistic perception and aesthetic valuing. Strong emphasis will be on further examining typography, design, and layout in producing quality print collateral. A portfolio in print is created as well as a digital portfolio using multi-media software.

ADVANCED PLACEMENT

ART HISTORY

Grade Level: 11-12

Course # 6200

Prerequisite: *Grade of B or better in previous history course. Instructor approval and signed AP contract*

Length: Year

This course meets UC/CSU (f) and MVUSD graduation requirements for Visual and Performing Arts or elective credit. The Advanced Placement program in Art History is designed to provide the same benefits to secondary students as provided by an introductory college course in art history. No prior exposure to art history is required. This course offers the opportunity to study world art, past and present, from a comparative analytical perspective. Emphasis is placed on Western tradition while students research and present information on other traditions. Discussed are the multi dimensional, multicultural dynamics of art as a communicator of knowledge and cultural meaning. Student learning is assessed through performance, testing, research/ presentation of information. Students are encouraged to visit art museums and galleries in the SoCal area. This course offers the rigor of an AP class and students should expect three hours of homework each week and some work over breaks/holidays. Some supplies are required for each semester. **Students are encouraged to take the AP exam.**

WEB DESIGN&DEVELOPMENT I

Course # 7551

Grade Level: 9-12

Length: Year

Prerequisite: *None, but Recommend one or more of the following: Multimedia Design I, Graphic Design I, Exploring Computer Science.*

This course meets the MVUSD requirements for elective credit. Aligned and articulated with MSJC's CSIS 115A. Students can earn 3 CSU/community college elective credits by passing the exit exam. (pending approval 2015). This course takes a multi-faced approach that will prepare students for careers that involve the development, design, maintenance, and management process of building and publishing a website. Technical skills taught include the newest technologies used in Web Development; authorizing and scripting languages, content creation and web management tools and digital media. Through contemporary design projects for the web, students develop problem-solving skills, artistic perception through the use of the elements of art and principles of design, critical and creative thinking, and self reflection. A career-like environment that promotes teamwork will also allow students to test their communication, cooperation, interpersonal, and decision-making skills. This course is designed to provide the necessary skills and training to develop these traits that are necessary to function successfully in the competitive and media-rich twenty-first century job market.





VISUAL & MEDIA ARTS **PATHWAY**

Approved Visual and Performing Arts Courses meet the (f) requirement for admission to the UC/CSU systems.

TV DIGITAL VIDEO/FILMMAKING Grade Level: 9 -12

Course # 7780

Prerequisite: *None*

Length: Year

Year This course meets UC/CSU (f) and MVUSD graduation requirements for Visual & Performing Arts or elective credit. Filmmaking is designed to give students the opportunity to create presentations using videography—the process of recording sound and visual images on electronic media. Fieldwork involving school activities and collaboration with classmates will provide students with experiences capturing video as well as interacting with others. Students develop skills in video production using the technologies of audio-video equipment and computer-based editing software, Apple Final Cut Pro X and Adobe Creative Suite. These are implemented to produce digital media projects for all areas of everyday life. Principles of video basics, DV technology, the development and creative process, editing, production, effects and presentation are stressed. Opportunities for creativity, problem solving, individual and group interaction, and decision making are incorporated.

ADVANCED TV/DIGITAL VIDEO Grade Level: 10-12

Course # 7781

Prerequisite: *Filmmaking and teacher approval*

Length: Year

This course meets MVUSD graduation requirements for elective credit. This advanced course is designed for students who are considering television or film production as a career. Students will produce a variety of school and community video projects that reinforce knowledge of equipment, terminology, concepts and procedures used in professional video and television production studios. Students will assist in the production and broadcast of the Rams Daily News. Students will study the history of television and film and will evaluate directors' styles, genres and social impact. Software programs such as Apple Final Cut Pro X and Adobe Creative Suite will be a secondary focal point to that of meeting the elements of art and principles of design, as well as the components in the state standards.

VIDEO GAME DESIGN 1

Course # 7553

Grade Level: 9-12

Prerequisite: Grade of C or better in Math 1

Length: Year

This course meets the MVUSD requirements for elective credit. (Pending approval A-G) This course introduces students to video game design and creation through computer hardware and software. Fundamentals of computer programming will be introduced that allows students to write and design computer programs for video games. This course material is an introductory level course that engages students with project-based learning. Students will learn programming through object orientated software, easy-to-follow material will take students from simple "drag-n-drop" programming to actually writing code and developing original computer games! Students will begin to build real working games. They see results right away and along the way, they learn the math and physics concepts used in game development, how the engineering cycle is used to design games, the components of a good game, color theory used in game design, how to create sprites and animation, and so much more. Plus. They will have a "hands on" opportunity to use other computer application programs such as word processing, audio editing and development, presentation software and animation software.

YEARBOOK

Grade Level: 10-12

Course # 1870

Prerequisite: *Application, interview and teacher approval*

Length: Year

This course meets UC/CSU (g) and MVUSD graduation requirements for Visual and Performing Arts or elective credit. Yearbook is designed to develop the skills and techniques of desktop publishing and photojournalism. Students will be involved in every aspect of creating the yearbook including writing, producing, photographing and selling. Students will learn the basic concept of layout design and copy writing using the computer. Students work under a deadline system and planning, organization and responsibility are crucial skills necessary to meet these requirements. Students are expected to work outside the regular school day as necessary to facilitate meeting of deadlines. Some computer and photographic knowledge is helpful. Class size is limited.





PERFORMING ARTS PATHWAY

Approved Visual and Performing Arts Courses meet the (f) requirement for admission to the UC/CSU systems.

MEN'S ENSEMBLE

Grade Level: 9-12

Course # 7170

Prerequisite: *None*

Length: Year

This course meets the CSU/UC (f) and MVUSD graduation requirement in Visual & Performing Arts or elective credit. Men's Ensemble is an intermediate-level vocal ensemble open to males in all grades. This year long course is designed to increase the vocal skill and performance level of each students, build musicianship skills, and develop aesthetic and cultural values through critical listening. Students will sing a wide range of literature written for men's voices that represents a variety of time periods, continents, languages, texts, cultures and styles. Students will learn to read and analyze music and perform choral literature in concerts and festivals. Music selected for study and performance will be challenging to each singer and represent good compositional practices. Students will learn to read music notation in treble and bass clefs, read basic rhythmic notation accurately, demonstrate and understand correct singing technique, and demonstrate appropriate rehearsal discipline and performance skills. Students will be expected to attend specified rehearsals and performances beyond the regular school day.

WOMEN'S ENSEMBLE

Grade Level: 9-12

Course # 7150

Prerequisite: *None*

Length: Year

This course meets the CSU/UC (f) and MVUSD graduation requirement in Visual & Performing Arts or elective credit. Women's Ensemble is an intermediate-level vocal ensemble open to females in all grades. This year long course is designed to increase the vocal skill and performance level of each student, build musicianship skills, and develop aesthetic and cultural values through critical listening. Students will sing a wide range of literature written for women's voices that represents a variety of period, continents, languages, texts, cultures and styles. Students will learn to read and analyze music and perform choral literature in concerts and festivals. Music selected for study and performance will be challenging to each singer and represent good compositional practices. Students will learn musical notation in treble and bass clef, read basic rhythmic notation accurately, demonstrate and understand correct vocal techniques, and demonstrate appropriate rehearsal discipline and performance skills. Students will be expected to attend specified rehearsals and performances beyond the regular school day.

ADVANCED CHAMBER CHOIR

Course # 7105

Grade Level: 10-12

Prerequisite: *Audition and signature of the Director*

Length: Year

This course meets UC/CSU (f) and MVUSD graduation requirements for Visual and Performing Arts or elective credit. Chamber Choir is a mixed singing ensemble that specializes in performance of challenging literature of diverse genres. Music selected for study and performance by the Chamber Choir is challenging for each singer, offers suitable text, represents good compositional talent and introduces the singer to the best choral writing of all periods of music history. Students will read music notation in treble and bass clefs, read basic rhythmic notation easily, demonstrate understanding of more complex notation, understand correct vocal technique, appropriate rehearsal discipline and performance skills. Students are expected to spend additional hours practicing beyond regular class time as well as attend all rehearsals and performances.

ADVANCED CHORALE

Grade Level: 10-12

Course # 7110

Prerequisite: *Audition and signature of the Director*

Length: Year

This course meets UC/CSU (f) and MVUSD graduation requirements for Visual & Performing Arts. Chorale is a mixed singing ensemble intended for singers of advanced ability. Selection for Chorale is dependent upon appropriate balance between sopranos, altos, tenors, and basses. Music selected for study and performance by Chorale must be challenging to each singer, offer suitable text, represent good compositional talent, and introduce the singer to the best choral writing of all periods of music history. Students will read music notation in treble and bass clefs, read basic rhythmic notation easily, demonstrate understanding of more complex notation, demonstrate knowledge of terminology pertinent to the performance of choral music, demonstrate and understand correct singing technique and appropriate rehearsal discipline and performance skills. Students will be expected to spend additional hours beyond the regular class time as well as to attend all rehearsals and performances.

ADVANCED PLACEMENT MUSIC THEORY

Course # 7007

Grade Level: 10-12

Prerequisite: *Instructor approval, participation in a performing group (Choir/Band/Orchestra)*

Length: Year

****This course is offered every other year****

This course meets UC/CSU (f) and MVUSD graduation requirements for Visual & Performing Arts or elective credit. AP Music Theory will develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a musical score. The achievement of these goals may best be approached by initially addressing fundamental aural, analytical, and compositional skills using both listening and written exercises. Building on this foundation, the course should progress to include more creative tasks, such as the harmonization of a melody by selecting appropriate chords, composing a musical bass line to provide two-voice counterpoint, or the realization of figured-bass notation. Students will be required to read, notate, compose, perform and listen to music. Through the course curriculum, students will be prepared for the AP Music Theory Exam. **Students are encouraged to take the AP exam.**

BEGINNING GUITAR

Grade Level: 10-12

Course # 7000

Prerequisite: *Must provide own acoustic guitar*

Length: Year

This course meets District graduation requirements for Visual and Performing Arts. Beginning guitar presents instruction in classical and folk guitar techniques. Music fundamentals covered are music notation, meter, and note values, key signatures and chords. Students will be able to read notation on all strings in first position and play basic chords. Grades include performance based assessment, theory exam, ear training, group projects, and extra credit concerts.





PERFORMING ARTS PATHWAY

Approved Visual and Performing Arts Courses meet the (f) requirement for admission to the UC/CSU systems.

ADVANCED MARCHING (8th period) Grade Level: 9 -12

Course # 7200

PERFORMANCE CORP (COLOR GUARD)

Course # 2750

Prerequisite: *Instructor Approval*

Length: Year

This course meets UC/CSU (f) and MVUSD graduation requirements for Visual & Performing Arts or elective credit *when taken along with Advanced Concert Band, Wind Ensemble, or Advanced Jazz Band.* Marching Band is open to all qualified wind, percussion and color guard students. The Marching Band course revolves around the marching activity and will include arranged rehearsal and performance hours outside of class time. The Marching Band performs at all home football games, as well as parades and field competitions throughout Southern California. This class will meet after school; scheduled time to be announced.

ADVANCED CONCERT BAND Grade Level: 9 -12

Course # 7202

Prerequisite: *Instructor Approval*

Length: Year

This course meets UC/CSU (f) and MVUSD graduation requirements for Visual & Performing Arts. *Both Advanced Marching Band and Advanced Concert Band must be taken to fulfill the one year Visual and Performing Arts requirement.* Concert Band is open to all qualified wind and percussion players. The course is oriented toward preparation and performance of high quality band literature as well as encouraging improvement of music fundamentals and technical playing skills. In addition, this ensemble performs outside the regular school day.

AVANCED CONCERT ORCHESTRA Grade Level: 9-12

Course # 7216

Prerequisite: *Instructor Approval*

Length: Year

This course meets UC/CSU (f) and MVUSD graduation requirements for Visual and Performing Arts or elective credit. The Advanced concert Orchestra course revolves around the orchestra activity and will include arranged rehearsal and performance hours outside the class time and may be repeated for credit. The Advanced concert Orchestra performs at concerts, community events and other appropriate venues. The course must be for an entire year and is open to all qualified string (i.e. violin, viola, cello, and string bass). This course is oriented around quality string literature, as well as focusing on the improvement of individual and large group performance skills relative to the state and national standards for music education. This course is a Visual and Performance Pathway course.

WIND ENSEMBLE Grade Level: 10-12

Course # 7193

Prerequisite: *Audition*

Length: Year

This course meets UC/CSU (f) and MVUSD graduation requirements for Visual and Performing Arts. The group prepares or performs high-level band works and transcriptions. These works are well suited for this smaller ensemble (35-45 musicians.) The Wind Ensemble represents the school as the finest they have to offer at district and regional festivals and concerts both on and off campus. This ensemble will perform band literature at the College level covering all genres of musical style. *Both Advanced Marching Band and Wind Ensemble must be taken to fulfill the one year.*

DANCE I
Course # 7220

Grade Level: 10- 12

Prerequisite: *Successful completion of Physical Education 9*

Length: Year

This course meets UC/CSU (f) and MVUSD requirements for Physical Education, Visual and Performing Arts or elective credit. This course is designed to provide students with opportunities to explore dance as an art and physical exercise. Students will be introduced to a variety of styles of dance including jazz, lyrical, modern, ballet, musical theater, and multi-cultural. This course will also focus on the development of movement skills and movement knowledge, self-image and personal growth, and social evolution.

DANCE II
Course # 7230

Grade Level: 10-12

Prerequisite: *Grade C or better in Dance I and teacher approval*

Length: Year

This course meets UC/CSU (f) and MVUSD requirements for the second year of Physical Education, Visual & Performing Arts or elective credit. This course is designed to provide students with opportunities to explore Dance as both art and physical exercise with opportunities for student performances of acquired skills with emphasis on exploring advanced dance forms including advanced jazz, lyrical, modern character and ballet. The components covered in dance include aesthetic perception, creative expression, dance heritage choreography concepts, and aesthetics valuing.

ADVANCED DANCE CHOREOGRAPHY
PRODUCTION (DANCE III)

Course # 7231

Grade Level: 10-12

Prerequisite: *Audition only and teacher approval*

Length: Year

This course meets UC/CSU (f) and MVUSD requirements for the second year of Physical Education, Visual and Performing Arts or elective credit. This course is designed to provide students with opportunities to explore dance as an art form and includes performance, choreography, and competition with acquired skills.





PERFORMING ARTS PATHWAY

Approved Visual and Performing Arts Courses meet the (f) requirement for admission to the UC/CSU systems.

DRAMA I

Course # 6500

Prerequisite: *None*

Length: Year

This course is meets UC/CSU (f) and MVUSD graduation requirements for Visual and Performing Arts or elective credit. Drama activities focus on orientation to the stage, performance standards, novice live improvisation, and entry-level understanding of character development as well as theatrical and historical terminology, etc. Activities also focus on an overview of technical theater and its' components. Students will perform in front of a live audience as well as complete a written final exam.

Grade Level: 9 -12

DRAMA II / INTERMEDIATE ACTING

Course # 6550

Prerequisite: *Audition with teacher*

Length: Year

This course meets UC/CSU (f) and MVUSD graduation requirement for Visual and Performing Arts or elective credit. The course emphasizes the preparation of scenes and monologues for classroom presentation, competition and study of period acting styles, stage direction and production techniques. Theater history and vocabulary are also covered. Assessment techniques include in class performance in front of a live audience, video taping, written assignments and tests.

Grade Level: 9 -12

DRAMA III/ ADVANCED ACTING AND COMPETITION

Course # 6560

Prerequisite: *Audition with teacher*

Length: Year

This course meets the UC/CSU (f) and MVUSD graduation requirement for Visual and Performing Arts or elective credit. The course emphasizes preparation of one act and full length plays for classroom and public presentation. Individual scene study in combination with a study of period acting styles, stage direction and production techniques is included. Assessment is based in part on participation in the production of a three-act play for public presentation, which requires rehearsal time and set construction time outside of class. Student must interview with drama teacher to enroll in this class.

Grade Level: 10 -12

DRAMA IV

Course # 6570

Prerequisite: *Audition with teacher*

Length: Year

This course meets UC/CSU (f) and MVUSD graduation requirements for Visual and Performing Arts or elective credit. Students in this course are required to participate in a current school production. This "hands-on" class includes a culminating project. This course demands time after school, some weekends and weekday evenings. Grade is affected by both class and after school participation. Student must interview with drama teacher to enroll in this class.

Grade Level: 10 -12

TECHNICAL THEATER I

Course # 6565

Prerequisite: *None*

Length: Year

This course meets one semester of MVUSD graduation requirements for Visual and Performing Arts or elective credit. Students will learn backstage skills including set design and construction, costuming, properties, sound and stage lighting. This is a hands-on class and students need to be willing to "get their hands dirty". After school and weekend work is required to help build sets for the school Drama Department productions and runs stage crew for rehearsals and performances. This course requires class and after school participation and is part of the grade for the course.

Grade Level: 9 -12

TECHNICAL THEATER II

Course # 6566

Prerequisite: *Successful completion of Tech Theater I and/or instructor approval*

Length: Year

This course meets MVUSD graduation requirements for Visual and Performing Arts or elective credit. Students will expand backstage skills and career opportunities in Technical Theater. This is a hands-on class with an emphasis on stage lighting, sound and stage management. Students will be engaged in set construction and directly involved in the Drama Department's productions. Class members will be engaged as crew members for the school productions. This course requires class and after school participation and is part of the grade for the course.

Grade Level: 10 -12

ELECTIVE -ONLINE

DRIVER EDUCATION

Course # 8000

(Grades 10-12 have priority)

Prerequisite: *Must be at least 15 years old*

Length: Semester

This course meets District graduation requirements for elective credit. Due to California legislation, a student wanting a provisional driver's license between the ages of 16 and 18, must have a learner's permit for six months before he/she can apply for the license. This course focuses on knowledge of the rules of the road and development of safe driving attitudes and practices and satisfies the classroom portion of the California requirement for a provisional driver's license. Upon completion of Driver Education, a student will receive a DL387 Form (Certificate of Completion of Classroom Driver Education). **Behind-the-wheel instruction is not included in this course.**

Grade Level: 9-12



AP Capstone Program

All NEW for 18-19 - AP Capstone Program

AP Capstone is a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. It cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions. Students who earn scores of 3 or higher in the AP Seminar course and the AP Research course (courses described below) and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in the AP Seminar course and the AP Research course but not on four additional AP Exams will receive the AP Seminar and Research Certificate.

AP SEMINAR **Course # 1908**

Grade Level: 11

Prerequisite: 10th grade student currently taking an AP/Honors class with above 3.0 GPA

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

AP RESEARCH

Grade Level: 12

Course # 1909 (Available 2018-2019)

Prerequisite: Successful complete AP Seminar class with a B or higher, earn 3 higher on AP Seminar CB exam, and be on track to pass four or more AP classes

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

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