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# **MONTE VISTA HIGH SCHOOL**



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## **2008 — 2009**

### **Guide to**

# **Program Planning**

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# MONTE VISTA HIGH SCHOOL ESLERS

## Expected Schoolwide Learning Results

### #1 Students at Monte Vista will develop skills in complex thinking:

- \* Demonstrate the thinking skills of application, analysis, syntheses, and evaluation in a logical and integrated manner.
- \* Demonstrate an awareness of their own learning process.
- \* Recognize the changing nature of knowledge.
- \* Use a variety of strategies to problem-solve creatively and effectively.

### #2 Students at Monte Vista will learn to collaborate effectively:

- \* Support others in developing competencies and skills.
- \* Work effectively and manage interpersonal relationships within diverse groups and settings.

### #3 Students at Monte Vista will learn to communicate effectively:

- \* Demonstrate skills of speaking, listening, reading, and writing for different purposes and in a variety of situations.
- \* Acknowledge creative expression as a means of communication.

### #4 Students at Monte Vista will become responsible citizens:

- \* Make informed choices and understand how actions, or lack of actions, affect oneself and the community.
- \* Have an understanding of their own value as individuals.
- \* Promote and develop respect and tolerance for their own and other cultures.

### #5 Students at Monte Vista will become life long learners:

- \* Know how to inquire, explore and research using appropriate technology.
- \* Utilize knowledge and skills that promote mental and physical well-being.
- \* Develop their own enthusiasm and interest in learning and remain open to discovery.

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# GENERAL SCHEDULING POLICIES

## REPEATING COURSES

Occasionally, students are faced with repeating courses. The two most common situations are: 1) If a student receives a "D" in a course required for college (e.g. English 10), and 2) If a student receives a "D" in a course that requires a "C" or better as a recommendation to advance to the next level (e.g. "C" or better in both semesters of Algebra 1). In both cases, the course(s) **should be repeated in summer school immediately following the year end grading period.** Upon completion of the course(s) the "initial" grade will remain on the transcript. However, the credit from the "initial" grade will be removed from the previous course (as credit cannot be given twice for an academic class) and the repeated course will be averaged in to the GPA. If a class is not offered in summer school (e.g. world language or science), the class may be repeated during the school year. However, if a course is repeated during the school year, the student must add the course as an **additional class (seven periods instead of six),** to ensure the student receive appropriate credits for graduation. Some colleges and universities will acknowledge the improved grade for entrance requirements. In general, colleges only allow grades to be repeated if the original grade was a "D" or "F" (if the grade was a "C" or higher, the repeated grade will not be used in calculating the GPA at the college). For more information, please contact your counselor.

Students who wish to participate in extracurricular activities, such as sports, leadership, cheerleading, etc., during high school must maintain a 2.0 GPA. **This includes entering ninth grade students.** By policy, students who do not maintain a 2.0 GPA by June of their 8th grade year may be excluded for the extracurricular program in the fall, even if they qualified for participation at the time of any spring signups or tryouts that may have been held. It is the responsibility of the parent and student to monitor academic progress since the academic ineligibility may result in the loss of all deposits or fees paid.

## PASS/FAIL: THE DISTRICT POLICY STATES:

*Pass/Fail* grades are not acceptable for college admissions requirements and are not offered in academic classes. A Pass/Fail grade can be given for Independent PE.

## WITHDRAWAL FROM A COURSE

Students enrolled in a year-long course are expected to complete the class. Dropping a course is something that should be done only after serious consideration of the consequences. Within the first three weeks a student can enter a class if there is space available and the appropriate signatures are obtained. If a course is dropped after the third but prior to the sixth week, he/she may enter a TA position or Study Hall and no penalty will be noted. If a course is dropped after the sixth week, a withdrawal grade (N or F) will appear on the transcript. Students who enroll in a course must request permission to drop the course before the completion of their sixth week in order to receive an "N" grade indicating "not enrolled". Beyond the sixth week, the teacher may give an "N" grade or an "F" grade, depending on the quality of the student's work to date and provided that proper notice concerning the possibility of failure has been given to the parents of students who are to receive an "F" grade. A student may not enroll in another course at this time and may be assigned study hall. AR5121(c).

## ADVANCED PLACEMENT & HONORS COURSES

Enrollment is limited in Advance Placement (AP) & Honors (H) courses. Please check the course descriptions for specific prerequisites & requirements. Most courses require an examination and/or teacher recommendations. Although it is not recommended, upon completing the specific prerequisite(s), students who are not recommended for the course may submit a Request for Placement form, in order to be considered for the class (the request for placement does not guarantee placement). **Please be aware that Advanced Placement or Honors level courses are year-long. Dropping these courses and entering a regular college prep class may not be possible, due to space availability.** If a student does switch to a regular class, the grade will be carried over to the new class. Please contact your counselor **within the first three weeks** of school to discuss program options.

## DEPARTMENT APPROVAL OF COURSES

Several courses require instructor or department approval (e.g. Play Production, Vocal and Instrumental Music). Please see the course description for complete details.

## 6 PERIOD DAY POLICY

All students will be enrolled in six classes at all times. A minimum of four classes must be district courses, which count toward the state required 240 minutes of daily instruction. The 5th class must be taken on a district campus during the instructional day, but could be a community college class, an ROP (Regional Occupational Program) course, or another similar non-district course offered on a high school campus. Thus, a student could have four district courses and two ROP courses, or four district courses, a community college course and a work-experience class. All required year-long courses for graduation must be completed on the high school site. English (4 years), Math (2 years, e.g. Pre-Algebra and Algebra, or the first two years of any rotation), Science (2 years, Physical and Life), Social Science (World History, U.S. History, American Government and Economics) and Physical Education (2 years).

## NON DISTRICT COURSES ON SRVUSD HIGH SCHOOL TRANSCRIPTS

Non-district courses will no longer be placed on the comprehensive high school transcript unless they are used to remediate a failed course or as part of the student's mandatory six class/graduation requirements program.

## VERIFICATION OF NON-DISTRICT COURSES

All students will be enrolled in 6 classes unless verification is provided showing enrollment in a non-district course. Upon completion of the non-district course, the student must submit a transcript to the high school. If the information is not received verifying course completion and grade, the student's transcript will reflect a F (failure) for the non-district course. This policy is consistent with current procedures for district courses.

## IMPORTANT DATES

<p><b>PSAT TEST</b></p> <p style="text-align: center;">Saturday, October 18, 2008 <i>(Only given once a year)</i></p>	<p style="text-align: center;"><b>SAT REASONING and SAT SUBJECT TESTS</b></p> <p>October 4, 2008.....SAT Reasoning &amp; Subject Tests          November 1, 2008.....SAT Reasoning &amp; Subject Tests          December 6, 2008.....SAT Reasoning &amp; Subject Tests          January 24, 2009.....SAT Reasoning &amp; Subject Tests          March 14, 2009.....SAT Reasoning test only          May 2, 2009.....SAT Reasoning &amp; Subject Tests          June 6, 2009.....SAT Reasoning &amp; Subject Tests</p> <p style="text-align: center;">Go to <a href="http://www.collegeboard.com">www.collegeboard.com</a> to register</p>	<p style="text-align: center;"><b>ACT TESTS</b></p> <p style="text-align: center;">See <a href="http://www.actstudent.org">www.actstudent.org</a></p> <p>September 13, 2008          October 25, 2008          December 13, 2008          February 7, 2009          April 4, 2009          June 13, 2009</p>
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# ———— SENIOR ACTIVITY CALENDAR ————

### SEPTEMBER

- ◆ Attend college representative meetings held in the Career Center at Monte Vista. Keep informed by listening to announcements.
- ◆ If you have not taken the SAT Reasoning and/or SAT Subject tests, or ACT tests, you should register for them in September.
- ◆ Request applications from private four-year colleges and universities or download from the internet.
- ◆ Contact teachers and counselors for letters of recommendation.
- ◆ Attend College Fair in the SRVUSD.

### OCTOBER

- ◆ Applications for the University of California and the State Universities/Colleges are available on the web at [www.universityofcalifornia.edu/admissions/undergradapp](http://www.universityofcalifornia.edu/admissions/undergradapp) or [www.csumentor.edu](http://www.csumentor.edu)
- ◆ Begin survey of scholarship opportunities; see your counselor; visit career center; listen for announcements; access Scholarship Newsletter on MV High website. Have your parents check with personnel office where they work to see if their employers have scholarship programs. Check unions, fraternal organizations, churches, etc. Also check **Fastweb.com**.
- ◆ October 1-Nov 30 is the application filing period for California State University campuses. **Apply on-line at [www.csumentor.edu](http://www.csumentor.edu)**. \*Remember to apply for housing if recommended by specific college.

### NOVEMBER

- ◆ November 1-30 is the application filing period for University of California campuses. **Apply on-line at [www.ucop.edu/pathways](http://www.ucop.edu/pathways)**.
- ◆ Request sixth semester transcripts from registrar's office for the colleges which request them.
- ◆ Continue to attend college representative meetings held on campus. Keep informed by listening to announcements.
- ◆ November is the last month to take the ACT or SAT Reasoning or SAT Subject Tests for the University of California and California State Universities.

### DECEMBER

- ◆ Explore scholarships in Career Center and on internet.
- ◆ Make sure all SAT Reasoning & Subject Tests are released. They are an important part of your U.C. eligibility.

### JANUARY

- ◆ Obtain FAFSA & CAL Grant forms from the counseling office, career center or online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov).
- ◆ Request seventh semester transcripts from the registrar, if required by colleges.
- ◆ Submit mid-year reports for colleges to the registrar.

### FEBRUARY

- ◆ Deadline for filing FAFSA is early March.
- ◆ If you have not already done so, apply for housing at the college of your choice.

### MARCH/APRIL

- ◆ Complete community college applications this month, following the procedure specified for the campus you plan to attend, and take placement exams. Take assessment for DVC on campus.

### JUNE

If you have not previously done so, request your final (eighth semester) transcript from the registrar for the school you will attend in the fall. This is necessary to certify graduation.



# MONTE VISTA HIGH SCHOOL GRADUATION REQUIREMENTS

Students who wish to receive a High School diploma from the San Ramon Valley Unified School District shall have:

1. Accumulated at least the minimum number of credits in each of the subject areas indicated below, and
2. Earning a passing score on both sections of the High School Exit Exam. Students must also pass Algebra 1 or Algebra Standards class.

Subject	Requirements
English.....	<b>40 credits</b>
Mathematics (10 credits must be in, Algebra 1 , or Algebra Standards).....	<b>20 credits</b>
Social Studies (World Geography, World Hist 2/3, US History, Government, Economics).....	<b>35 credits</b>
Science (including 10 credits of Physical Science and 10 credits of Life Science).....	<b>20 credits</b>
Physical Education (must be taken in grade 9. PE Indep. PE may not be used in grade 9).....	<b>20 credits</b>
Health.....	<b>5 credits</b>
Visual & Performing Arts/World Language/Technology (10 credits in each of two fields).....	<b>20 credits</b>
Electives.....	<b>80 credits</b>
<b>TOTAL CREDITS REQUIRED FOR GRADUATION.....</b>	<b>240 credits</b>

\*CAHSEE: In order to receive a high school diploma, all students must pass the High School Exit Exam in addition to meeting district and state course requirements.

## — GRADUATION REQUIREMENTS —

### English

- ~ Students are required to earn 40 credits of English.
- ~ Each student must be enrolled in a full year of English in 9th, 10th, 11th and 12th grade.
- ~ Students with strong abilities in English should consider AP English Language in grade 11 and AP English Literature in grade 12. Enrollment in these classes is by teacher recommendation and placement test.

### Math

Students are required to earn 20 credits of Math.

1. If you are going into a 4-year college, take as much Math as you can; at least:
  - Algebra 1                      • Geometry
  - Algebra II
2. If you are not going to a 4-year college, you must take at least two years of Math. If your Math skills are weak, take Pre-Algebra and Algebra Standards as a minimum.
3. Students must pass Algebra 1, or Algebra Standards for graduation.

### Social Studies

Students are required to earn 35 credits of Social Studies.

- 9th grade: World Geography
- 10th grade: World History 2/3
- 11th grade: U.S. History 1-2
- 12th grade: American Government, Economics

### World Languages

1. Two years of the same language are required for admission to most 4-year colleges, and we strongly recommend three years of the same World language, particularly if planning to attend the University of California.
2. All students are encouraged to try at least one year of a world language.

### Science

Students are required to take 20 credits of Science.

**At least 10 credits must be a physical science and at least 10 credits must be a life science.**

1. If you are aiming for the University of California or a California State University:
  - a. You must take two years of a lab science. One year must be Biology and the second year may consist of any of the following:
    - Chemistry • Physics • Geology \* (\*Geology is a "G" lab science elective for CSU only).
  - b. If you are exceptional in the above courses, consider our: AP Biology, Honors Chemistry, AP Chemistry, Honors Physics, or AP Environmental Science  
*Teacher recommendation and entrance exam may be the prerequisites for these courses.*
2. If you are planning to simply meet our graduation requirements, you must take:
  - a. One year of a life science. (e.g. Life science)
  - b. One year of a physical science (e.g. Integrated Physical science)
  - c. One year of Visual and Performing Arts is required for the University of California and California State University.

### Visual and Performing Arts

World Language/Vocational Applied Arts

You must have at least 10 credits in two of three fields.

1. Courses in the Visual and Performing Arts Department are listed on pages 20-23.
2. Courses in Vocational Applied Arts (Technology) are listed on pages 18-20. ROP courses are also included.

### Physical Education

20 credits of P.E. are required for graduation including:

- P.E. 9 (10 credits)                      • P.E. 10-12 (10 credits)\*

\*Badminton, Basketball, Conditioning, Baseball, Weights, Yoga, Dance or Independent PE.

*Note: If physically unable to participate in P.E. you must file a note with a diagnosis from your physician.*

Other—Take Health in 9th grade.

## COMPARATIVE FEATURES OF THE ACT AND SAT REASONING TEST

This outline was prepared to give you a convenient guide for examining the differences between the ACT and SAT. It will provide an opportunity to compare the two tests and then select the option which will best support your application to enter a college or university.

The correlation between the ACT and SAT is .85, which indicates that the two tests, although of different design, are measuring in the same cognitive domains. Both tests have approximately the same predictive validity when college grades are the criterion. Also both tests have about the same reliability. Because of the content design of the ACT, it is frequently used to place entering freshmen in appropriate level courses in mathematics and English.

## American College Test (ACT)

(School Code 050-727)

The American College Test is designed to measure classroom achievement in four broad content areas, as well as the ability to reason, and the application of problem-solving skills. The test takes approximately three hours and covers English usage, Mathematics, Social Studies and Natural Science. The score is based on the number of correct answers given with no penalty for wrong guesses. Scores for English, Mathematics, Reading, Science reasoning and a composite score are returned to the high school for distribution to the students. This test is accepted by most colleges and universities nationwide.

*Testing Time (overall):*

3 hours 25 minutes

*Test Purpose:*

Designed to measure classroom achievement in four broad content areas as well as the ability to reason and the application of problem solving skills (see test content section below).

*Test Content:*

English Usage (45 minutes)  
 Punctuation  
 Basic Grammar and Usage  
 Sentence Structure  
 Rhetorical Skills:  
 Strategy, Organization, and Style  
 Mathematics (60 minutes)  
 Pre-algebra  
 Elementary Algebra  
 Intermediate Algebra and Coordinate Geometry  
 Plane Geometry  
 Trigonometry  
 Reading Test—Four Types (35 minutes)  
 Prose Fiction  
 Humanities  
 Social Studies  
 Natural Sciences  
 Science Reasoning Test (35 minutes)  
 Data Representation  
 Research Summaries  
 Conflicting Viewpoints  
 Writing Essay (30 minutes)

*Scores Reported:*

English  
 Usage/Mechanics  
 Rhetorical Skills  
 Mathematics  
 Pre-Algebra  
 Alg/Coord Geometry  
 Plane Geometry Trig.

## Reading

Soc.Studies/Science  
 Arts/Literature

Science Reasoning  
 Composite (Average)*Way in which scores are disseminated:*

## Score profiles sent

1. to school counselor for distribution to students and to colleges and universities listed by students: or,
2. to the student if the student codes 7000 in black "U" of the application, with a copy going to the school.

*Method of Scoring:*

Scores based on number of right answers—no penalty for guessing.

*Location of Regional Offices Serving California:*

Sacramento - (916) 361-0656

## SAT Reasoning Test

*(School Code 050-727)*

Effective for students entering UC as a freshman for Fall 2007, each applicant must submit scores on: the new SAT (Critical reading, mathematics, and writing) or the ACT plus the new ACT writing test. In addition they must submit TWO SAT Subject Tests in two different subject areas. The UC will not accept the old SAT I or the Math Level 1 subject test.

The Scholastic Aptitude Test is designed to measure academic aptitude areas. The test contains questions on Critical Reading, Writing, and Mathematics. Scoring reflects incorrect guesses. Both verbal and mathematical scores are reported back to the student. This test is accepted by most colleges and universities nationwide.

The California State Universities will continue to accept either the new SAT or the old SAT. Private schools and out-of-state schools will possibly accept either. It is best to check with particular schools for their testing requirements. The Cal State system will not count the new writing sub-score in their application analysis even after the SAT changes. The UC system will give equal weight to the new SAT and the two SAT Subject Tests chosen. The Math Level 2 will be the math test accepted. The new SAT will improve the alignment of the test with current curriculum and institutional practices in high school and college. By including a third measure of skills, writing, the new SAT will reinforce the importance of writing throughout a student's education and will help colleges make better admissions and placement decisions.

*Testing Time (overall):*

3 hrs. 45 min. approximately

*Test Purpose:*

Designed to measure academic aptitude in terms of verbal and numerical reasoning and ability to recognize standard written English.

*Test Content:*

Critical Reading  
Sentence Completion  
Reading Comprehension in Social, Political, Scientific, Artistic, Philosophical and Literary Areas  
Writing  
Multiple-choice questions  
Student written essay  
Punctuation  
Grammar  
Sentence Structure  
Diction and Style  
Mathematics  
Arithmetic & Algebra  
Geometry  
Other topics (e.g., logic, operations, etc.)

*(The use of a calculator is permitted on the mathematics sections of the SAT I)*

*Scores Reported:*

Verbal  
Mathematical  
Reading  
Vocabulary  
Test of Standard Written English  
Student Background Information

*How scores are disseminated:*

Scores sent directly to students to colleges and universities listed by the students, with a copy to the high school.

*Method of Scoring:*

Score corrected for guessing.

*Location of Regional Offices Serving California:*

Berkeley - (510) 654-1200

## SAT Subject Tests

The University of California and some private colleges require various combinations of SAT Subject Tests and some allow students to choose their own. Check the requirements of the colleges you are interested in before deciding which tests to take.

"SAT: Subject Tests" is the new name for the tests formerly known as the College Board Achievement Tests. Like the familiar Achievement Tests, the Subject Tests measure your knowledge or skills in a particular subject and your ability to apply that knowledge. The tests fall into five general subject areas:

\*There are only 2 subject tests required in 2 different subject areas: (Check with college for specific requirements)

- ◆ *English*  
Literature
- ◆ *History and Social Studies*  
American History and Social Studies, World History
- ◆ *Math*  
Mathematics Level 2 (Calculator)
- ◆ *Sciences*  
Biology, Chemistry, Physics
- ◆ *World Languages*  
Chinese with Listening, French, French with Listening, German, German with Listening, Modern Hebrew, Italian, Japanese with Listening, Latin, Spanish, Spanish with Listening

All the Subject Tests take one hour of testing time, and all consist entirely of multiple-choice questions. *The use of a calculator is prohibited on all Subject Tests except Mathematics Level 1 and Mathematics Level 2.*

## Advanced Placement Program/Exams

The Advanced Placement (AP) Program is a program of college level courses and exams for secondary school students. Over 90 percent of the colleges that most AP candidates attend give credit and/or Advanced Placement to students whose AP Examination grades are considered acceptable.

At Monte Vista we have courses in English, Math, Science, Social Studies, Art, World Language, Music and Computer Science that meet the criteria of college level work established by committees of college professors. The AP exams that are given each May contain both multiple-choice questions and free response questions that require essay writing, problem solving, etc. Each examination booklet is typically graded by four professors and teachers.

Every examination receives an overall grade on a five point scale: 5 (extremely well qualified) to 1 (no recommendation). An AP Grade Report is sent in early July to each student's home address, school and, if the student requested, to his or her college. Students must earn a score of at least 3 to be eligible to receive college credit.

If you are interested in taking a course here at Monte Vista that will prepare you for an exam see your counselor.

**SOME COURSES MAY NOT BE OFFERED DUE TO INSUFFICIENT SIGNUPS.**

# ENGLISH

## COLLEGE PREP

### ENGLISH 9

*U.C. and C.S.U. Certified*

(9) - Year

English 9 is an introductory course that lays a foundation of skills that students will need throughout high school. These skills include: literary analysis and close reading, writing expository essays, creative writing, timed writing, grammar and usage, SAT vocabulary, discussion group skills, and dramatic interpretation. Students will be exposed to a variety of classical and contemporary literary genres: novels, short stories, plays, poetry, and non-fiction. Students are expected to participate actively on a daily basis. Reading and writing assignments, including a considerable amount of homework, will be challenging in keeping with the college preparatory nature of the course.



### SDAIE (SPECIALLY DESIGNED ACADEMIC INSTRUCTION IN ENGLISH)

*Meets UC and CSU "B" requirements*

(9-10) - Year

This class is designed for English Language Learners. The Specially Designed Academic Instruction in English course parallels the content core curriculum for the English 9 class. The ELL students read and study the core literature, write an "Evaluation" essay, or other type designated by the district for the 9th grade level, while having supplementary support materials to enhance comprehension, such as graphic organizers, books-on-tapes, and various reference materials in English. Analysis of character, theme, plot, setting, point-of-view, and irony are concretely instructed and reinforced throughout the year. Reading selections include short stories, mythology, poetry, novels, and a Shakespearean play from the traditional Western-Cannon. Vocabulary development is also essential. This course is offered on a rotating basis with SDAIE English 10, so that students can refine reading, writing, speaking, and analysis in English.

### ENGLISH 10

*U.C. and C.S.U. Certified*

(10) - Year

English 10 is a college preparatory language arts course which expands and strengthens the skills developed in English 9. Using an enriched literature based curriculum, the course emphasizes intensive reading and discussion, and extensive writing instruction in a variety of forms. Students will develop skills according to individual abilities through open ended assignments, small group discussion, and independent reading. Activities will include reading and responding to classical and contemporary novels, plays, poetry, short stories and non-fiction; writing activities will develop complex grammatical structures and effective stylistic and rhetorical features.

### ENGLISH 11

*U.C. and C.S.U. Certified*

(11) - Year

English 11 is a college preparatory language arts course in which students will study traditional and contemporary works drawn from American Literature and non-fiction. Material will include novels, plays, short stories, essays, and poetry. Students will be expected to participate actively in small groups, class discussions, and oral reports while examining literary themes, forms, styles, and techniques. Writing assignments will be both expressive and analytical, and focus on the critical analysis of literature. Vocabulary work and instruction in grammar and usage are included as needed. Students should expect a considerable amount of homework and challenging reading and writing assignments.

### ENGLISH LANGUAGE AP & COMPOSITION

All students interested in this course should sign-up for English 11. Following the screening test, qualifying students will be placed into AP English by counselors.

*U.C. and C.S.U. Certified*

(11) - Year

*Must complete both semesters of English 10 with a grade of "B-" or better, and take the English Assessment consisting of a test and essay.*

As an indicator of future success in this demanding course, students must be recommended through an extensive evaluation process. It is strongly recommended that a student have received an "A" grade in English 10. Once placed in the course, students are expected to complete summer assignments.

This college level course is designed for only the most serious and enthusiastic readers and writers. The AP English Language and Composition course provides an opportunity for advanced high school students to pursue and receive credit for college-level work completed at the high school level. Accordingly, the rigors of this course are intended to be commensurate with introductory college-level rhetorical and composition courses. Students are trained to be excellent critical thinkers, readers, analysts of language, effective writers, and creative, cogent producers of argument. The AP Language and Composition course utilizes a chronological and thematic use of American texts, both fiction and nonfiction as the main vehicle to study language and rhetoric. Non-fiction readings include essays, journalism, political writing, science writing, nature writing, autobiographies/biographies, diaries, history, criticism, speeches and letters and are selected to give students the opportunity to identify and explain an author's use of rhetorical strategies and argumentation techniques. AP Language is a course that rewards those who are committed to developing a high level of skill in rhetorical analysis, and will increase the level of mature intellectual investigation and responsibility necessary for success in higher education. Covering a wide range of authors and genres, this course prepares students for the AP Language and Composition exam.

### ENGLISH 12

*U.C. and C.S.U. Certified*

(12) - Year

\*This class may only be taken by 11th graders who are concurrently enrolled in English 11 or English Language AP.

Senior Literature and Composition is designed for the student who is committed to serious preparation for college. The course provides extensive reading in the major types of literature, including classics recommended for college bound students. Composition assignments will develop writing methods necessary for success in college. The course will include a review of writing skills, instruction in stylistic techniques, practice in the use of varied sentence types, preparation for college essay and English placement examination, and development of essays based on advanced logic and organization. Students should expect a considerable amount of homework and challenging reading and writing assignments.

### SHAKESPEARE (WITH BRITISH LITERATURE)

*U.C. and C.S.U. Certified*

(12) - Year

\*This class may only be taken by 11th graders who are concurrently enrolled in English 11 or English Language AP.

This course is offered to seniors for their senior English credit and for juniors as an elective if they are already enrolled in English 11. This course is designed for a college bound student and will be particularly helpful to students taking the SAT II in Literature. Students will integrate reading, writing, literary analysis, speaking and dramatic performance to come to a well-rounded understanding of the works of Shakespeare and medieval British Literature. The class will work on essays that prepare them for a freshman university level literature course; read current fiction that ties in thematically with older works; research medieval and Elizabethan culture; understand the history of the English language and become familiar with medieval and Elizabethan words and grammatical structure; explore modern connections to early literature's characters and themes.

## WOMEN'S LITERATURE

*U.C. and C.S.U. Certified*

(12) - Year

Seniors Women's Literature is designed for the student who is committed to serious preparation for college. The course will focus primarily on the general themes of race, class and gender as experienced by women. To enhance our reading and understanding of the texts, we will also study and discuss major trends in women's history women's involvement in social reform and protest, and how writers depict characters in conflict with vocational roles and family obligations. The course will provide extensive reading in the form of novels ranging from the 17th through the 21st century, as well as essays, poetry, drama and short stories. The writing assignments developed for the course will prepare students for college level writing including the college essay. Students will write frequently about the social issues human values in the works read. Students should expect a considerable amount of homework and challenging reading and writing assignments.

## LITERATURE W/ AN EMPHASIS ON MUSIC & MOVEMENT

*U.C. and C.S.U. Certified*

(12) - Year

A college preparatory English elective that will count for English 12, *Literature with an Emphasis on Movement and Music*, will help students analyze, investigate, and compare/contrast, literature, movement, music, and visual art through historical time periods. Specific attention will be paid to the parallels between genres of literature, dance, and music, and art, the relationship between words and movement, analysis and critique of performance art and music, and the sociological effects and changes surrounding artistic expression. From a historically chronological perspective, students will study all portions of the literary spectrum (novel, non-fiction, essay, short story, poetry, and film) to explore a wide panorama of opinions, themes, observations, and social commentary related to movement, music and the visual arts. While developing critical thinking skills, students will be asked to formulate ideas through frequent and challenging reading and writing assignments in strict preparation for college level performance. The primary focus of this course is literary exploration, with decreasing emphasis on visual art, movement and music.

## EXPOSITORY WRITING (with a Creative Writing emphasis)

*U.C. and C.S.U. Certified*

(12) - Year

Expository writing is designed to provide experience in reading selections of poems, vignettes, short stories, screenplays and novels. The course provides extensive reading in the major types of literature, including classics recommended for college bound students. Composition assignments will develop writing methods necessary for success in college as well as creative writing. The course will include of review of writing skills, instruction in stylistic techniques, preparation for the college essay, and preparation of original poems, characters, short stories in a variety of genres. Instruction on children's literature and screenplay is also included. Students will also be required to read a variety of works independently. Students should expect a considerable amount of homework including challenging reading and writing assignments. ROP credit is available through this course.

## LITERARY ANALYSIS THROUGH FILM

*U.C. and C.S.U. Certified*

(12) - Year

Lab donation: \$10.00

The curriculum of this course is designed to expose students to a variety of films that includes documentaries, musicals, dramas, comedies and mastering vocabulary specific to the film industry. The course includes curriculum that adheres to the state's Standards & Benchmarks. Students should expect to read and analyze texts throughout the year in addition to reviewing and analyzing films for both industry and literary terms. Writing, discussion and public speaking skills are also an integral part of the course. Independent reading and projects will also be assigned. Students should expect homework that includes both film and text analysis.

## EXPOSITORY READING AND WRITING (New)

*U.C. and C.S.U. Certified*

(12) -Year

The goal of the Expository Reading and Writing course is to prepare college-bound seniors for the literacy demands of higher education. Through a sequence of fourteen instructional modules, students in this rhetoric-based course develop advanced proficiencies in expository, analytical, and argumentative reading and writing. The cornerstone of the course presents a process for helping students read, comprehend, and respond to non-fiction and literary texts. Modules also provide instruction in research methods and documentation conventions. Students will be expected to increase their awareness of rhetorical strategies, and to examine the social, political, and philosophical assumptions that underlie the text. By the end of the course, students will be expected to use this process independently when reading unfamiliar texts and writing in response to them. Course texts include contemporary essays, newspaper and magazine articles, editorials, reports, biographies, memos, assorted public documents, and other non-fiction texts. The course materials also include two full-length works (one novel and one work of fiction), as well as an independent reading component. Written assessments and holistic scoring guides conclude each unit.

## ENGLISH LITERATURE AP

All students interested in this course should sign-up for English 12. Following the screening test, students will be placed into AP English by counselors.

*U.C. and C.S.U. Certified*

(12) - Year

As an indicator of future success in this demanding course, students must be recommended through an extensive evaluation process. It is strongly recommended that a student have taken A.P. Language and have received at least a "B" grade in the course, or an "A" grade in English 11. Once placed in the course, students are expected to begin and complete summer assignments. This college level course is designed for only the most serious and enthusiastic readers. The material we read is adult, challenging, and sophisticated, requiring nightly reading in preparation for the following day's discussions. Student writing should be at the freshman college level and will be evaluated accordingly. A.P. Literature is course that rewards those who are committed to developing a high level of skill in literary analysis, and will increase the level of mature intellectual investigation and responsibility necessary for success in higher education. Covering a wide range of authors and genres, this course prepares students for the A.P. Literature and Composition exam.

## NON COLLEGE PREP

### FILM AS LITERATURE/(Film as Art/English)

*Fulfills high school graduation requirement.*

(12) - Year

Lab donation: \$10.00

This course focuses on mastery of the literary elements through the medium of film. Students will learn about the plot, setting, theme, and irony by analyzing various types of films. The curriculum will include vocabulary specific to the film industry along with the origins and history of film. Propaganda, documentaries, drama, comedies, and other great films will be included. Independent reading will also be assigned. Students will be required to discuss and analyze film clips for technical aspects. Writing will be assigned in accordance to the state's Standards & Benchmarks.

Note: This class is not U.C. or C.S.U. certified.

### NOVEL

(11) - Year

*Fulfills high school graduation requirement.*

Contemporary and classic novels (and/or plays—possibly one Shakespeare play) are studied in a seminar format. Works are chosen to have relevance to student interest as well as literary merit. Collaborative group activities and class discussions are important components of the learning process. Students explore various ways of actively responding to literature in writing. They will be able to write in a variety of forms. Students who choose this course should enjoy reading book-length works. There will be some homework.

Note: This class is not U.C. or C.S.U. certified.

## ELECTIVES

The following courses do not meet Monte Vista High School English graduation requirements as they are electives.

### SPEECH & DEBATE

*U.C. and C.S.U. Certified*  
(9-12) - Year

The course content involves the study and performance of public speaking. Students will also be given the opportunity to participate in dramatic and humorous interpretation. Students will learn the fundamentals of public speaking through the study and performance of a wide variety of speeches. Students will participate in committees, research topics of current interest, and write and debate bills in a mock congress. Students will also write and deliver speeches on a variety of subjects (i.e. campaign, graduation, acceptance, persuasive, dramatic, humorous, newscast, pet peeve, etc.) Tournament competition is encouraged but not a requirement of the course.

### ADVANCED SPEECH & DEBATE (with emphasis on speech)

*U.C. and C.S.U. Certified*  
(10-12) - Year

*Required: Recommendation of the instructor.*

The course content involves the study and performance of public speaking. Students will also be given the opportunity to participate in dramatic and humorous interpretation. Students will learn the fundamentals of public speaking through the study and performance of a wide variety of speeches. Students will participate in committees, research topics of current interest, and write and debate bills in a mock congress. Students will also write and deliver speeches on a variety of subjects (i.e. campaign, graduation, acceptance, persuasive, dramatic, humorous, newscast, pet peeve, etc.) Advanced students are expected but not required to attend tournaments.

### ADVANCED SPEECH & DEBATE (with a Lincoln-Douglas emphasis)

*U.C. and C.S.U. Certified*  
(10-12) - Year

*Required: Recommendation of the instructor.*

The course content involves the study and performance of public speaking with an emphasis on debate. Students will learn the fundamentals of public speaking through the study and performance of a wide variety of speeches and debates. Students will participate in committees, research topics of current interest, and write and debate bills in a mock congress. Students will also write and deliver speeches on a variety of subjects (i.e. campaign, graduation, acceptance, persuasive, Lincoln-Douglas style debate, newscast, pet peeve, etc.) Tournament competition is encouraged but not a requirement of the course.

### JOURNALISM (ROP)

*U.C. certified 'G' Requirements and C.S.U. certified (second year only)*  
(11-12) - Year

Journalism is a writing course that covers all forms of journalistic writing: news stories, editorials, sports, and various types of feature stories. Writing for the student newspaper is the emphasis of the course. Strong grammar and composition skills are required. As the class is responsible for the production of the Monte Vista Student Newspaper, *The Stampede*, students will be taught to copy edit, write headlines, scan photos, and general layout techniques. Word processing and computer skills are necessary and helpful.

## SOCIAL STUDIES—

### WORLD GEOGRAPHY: STUDYING PEOPLE AND PLACE

*U.C. and C.S.U. Certified*  
(9) - Semester

This required semester-long 9th grade course constructs foundation for 10th, 11th, and 12th grade social science curricula through the study of culture in geographic context. Physical geography is organized in terms of location, place, environment, movement, and region. Cultural studies focus on understanding concepts that describe political, economic, and social systems along with learning about present day ways of life around the world and their historical backgrounds. Skill development focuses on critical thinking, researching, reading, writing, speaking, and vocabulary.

### MODERN WORLD HISTORY

*U.C. and C.S.U. Certified*

(10) - Year

This is a one year course in which students will examine major turning points in the shaping of the modern world beginning with 1350 A.D. through the 20th Century. Students will then focus on the study of major areas throughout the modern world as well as unresolved problems of the modern world. Cultural institutions, including political, social and economic forms, cultural conflict, the dynamics of change, and geographical concepts will be emphasized in area studies. Worldwide issues such as Human Rights, religious conflicts, terrorism, poverty, and famine will be addressed throughout the semester.

### AP EUROPEAN HISTORY

*U.C. and C.S.U. Certified*

(10-12) - Year

*Must have a 3.4 GPA or higher and pass a multiple measures screening test. Upon acceptance into the class, students and their parents must attend a mandatory meeting to discuss the course policy and receive summer work.*

This course is a full year introductory college course that covers European history from 1450 to the present. Students will gain an understanding of geography and the chronology of the major events and trends of that time period. Instruction will include the principle themes in modern European history, an ability to analyze historical evidence, and an ability to express historical understanding in writing. The course covers the cultural, political, and socio-economic history of Europe in preparation for the AP exam. For sophomores, this class will replace World History 2/3. For upper classmen, this class will be counted as a Social Studies elective. College credit may be granted to those who successfully pass the A.P. test (depending on colleges).

### U.S. HISTORY 1 & 2

*U.C. and C.S.U. Certified*

(11) - Year

This course is required for graduation. This is a survey course covering the major political, economic, social, and cultural developments of United States history.

### AP U.S. HISTORY

*All students interested in this course should sign-up for U.S. History. Following the screening test, counselors will place students into U.S. History AP.*

*U.C. and C.S.U. Certified*

(11) - Year

*Must complete three teacher recommendation forms, and an entrance interview, and take an essay test. Upon acceptance into the class, students and their parents must attend a mandatory meeting to discuss the course policy and receive summer work.*

This class is a challenging two-semester course that is meant to be the equivalent of a freshman college course and might earn students college credit. The content is comprised of a complete survey of American history from the age of exploration to the present using multiple perspectives. Emphasis will be placed on critical and evaluative thinking skills, essay writing, and interpretation of original historical documents.

### AP HUMAN GEOGRAPHY

*U.C. and C.S.U. Certified*

(11-12) - Year

*Required: Teacher recommendations and pass screening test.*

The purpose of this course is to introduce qualified students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Major content areas to be studied are as follows: the nature of perspectives of geography, population, cultural patterns and processes, political organization of space, agricultural and rural land use, industrialization and economic development, and cities and urban land use. Students will employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences.

## AMERICAN GOVERNMENT

*U.C. and C.S.U. Certified*

(12) - Semester

All students are required to take American Government for graduation. Students will learn the basic structure and values of the United States government, will study current political issues, practice democratic participation skills, and prepare a term paper.

## AP AMERICAN GOVERNMENT & POLITICS

All students interested in this course should sign-up for American Government. Following the screening test, counselors will place students into AP American Government.

*U.C. and C.S.U. Certified*

(12) - Semester

Must have an A or B in US History, three teacher recommendations and entrance exam.

This course will examine the nature of the American political system and will be concerned with the development of American political culture over the past two hundred years. The principal processes and institutions through which the political systems function will be studied in detail. Specific areas of study will include: 1) the context of American politics, 2) the political process, 3) major institutions of the national government, 4) civil liberties and civil rights, 5) the nature of American democracy. This course is designed for the accelerated student seeking college credit through the advanced placement given in May.

## ECONOMICS

*U.C. Certified 'G' Requirement and C.S.U. Certified*

(12) - Semester

A required one-semester course designed for seniors so that they may learn about basic economic models and analysis, consumer economics, money and banking, foreign trade, and international economics. The emphasis is on the free enterprise system. Various economic theories will be examined in the framework of a detailed study of the free enterprise/market economy.

## AP ECONOMICS

*U.C. Certified 'G' Requirement and C.S.U. Certified*

(12) - Year

All students interested in this course should sign up for this course. Counselors will change your schedule after testing. Must have teacher recommendation and pass screening test.

- ◆ AP Microeconomics at Monte Vista High School is the first semester of a yearlong AP Economics course; the second semester covers Macroeconomics. Basic economic concepts and economic reasoning are introduced in AP Microeconomics. Topics include: the structure of markets; the theory of the firm; product market models; the factor market; and market failures.
- ◆ The AP Macroeconomics course emphasizes the application of economic principles and theories to analyze international, national, and local events and trends. The course places particular emphasis on the study of national income and price determination, and also develops one's familiarity with economic performance measures, economic growth, and international economics.
- ◆ Students have frequent opportunities to generate solutions to real and hypothetical economic problems. They also employ written and oral discourse supported by graphical analysis in order to illustrate the logic of their conclusions. Students enrolled in this course must take the AP Macroeconomics and Microeconomics Exams in May.

## NON COLLEGE PREP

AMERICAN GOVERNMENT NCP

(12) - Semester

*Counselor Recommendation Only*

American Government is required for graduation. In this non-college preparation class students will learn the basic structure and values of the United States Government and will study current issues. Emphasis will be on class work and participation as well as current event study and analysis.

Note: This course is not UC & CSU certified.

## ECONOMICS NCP

(12) - Semester

*Counselor Recommendation Only*

The study of Economics will include microeconomic—individual economic decisions, and macroeconomics—the aggregate national economy including international economics and basic consumer economics. This course meets graduation requirements.

Note: This course is not UC & CSU certified.

## Social Studies Electives

The following are Social Studies electives:

ROP LAW

*U.C. Certified 'G' Requirement and C.S.U. Certified*

(11-12) - Year

*Introduction to Law* provides students with a basis for understanding the American political and legal systems, with a focus of legal ideas and the legal process, how the law works and the policies that underlie it. Students learn substantive issues of law, democracy, and human rights through strategies that promote problem solving, critical thinking, cooperative learning, improved communication, and conflict resolution. They read and analyze stimulating case studies, discuss landmark decisions, conduct legal research, and write opinion papers.

In addition, students participate in moot court and mock trials by assuming the roles of trial attorneys and arguments for trial, students develop their analytical and critical thinking skills as well as their oral presentation and teamwork skills. Engaging in analytical reading and writing as well as lively debate helps prepare students for further studies at the university level.

PSYCHOLOGY

*U.C. Certified 'G' Requirement and C.S.U. Certified*

(12) - Semester

This course focuses on personal growth and provides students a basic introduction to the field of psychology. Students learn to apply basic psychology concepts to themselves so they have a better understanding of who they are and how they can relate better to those around them. Emphasis is on discussion, participation, and in-class assignments.

SOCIOLOGY

*U.C. Certified 'G' Requirement and C.S.U. Certified*

(12) - Semester

Whereas psychology emphasized the examination of individual behavior, sociology studies human society, social relations, and behavior in and among groups. This course will examine topics such as culture and social structure, the adolescent in society, and the criminal justice system. Also included will be the examination of social institutions such as marriage and family and religion. This course is designed to not only be interactive but also to be challenging and rewarding to those students that are about to take their place in a complex world.

## MATH \_\_\_\_\_

MATH PLACEMENT—Students who do not meet the listed prerequisites in math will not be allowed to enroll in a more advanced course. For example, at the time of registration, students earning low grades (below "C" in Transition to Algebra, Algebra 1, Geometry, and Algebra 2) should plan to repeat their current course. The student will only be placed in the next level course if their semester grade meets the prerequisite or the student retakes the course in summer school and receives an appropriate grade of C or better.

PRE-ALGEBRA

(9-11) - Year

*Required: Recommendation of counselor or failure to pass the math portion of the California High School Exit Exam.*

This course covers math fundamentals in preparation for students to pass the math portion of the California High School Exit Exam. The content will include the math standards on the HSEE.

Note: This course is NOT U.C. and C.S.U. certified.

## ALGEBRA STANDARDS

(11-12) - Year

*Required: Recommendation of math teacher and counselor.*

This course is designed to satisfy the State of California and San Ramon Valley Unified School District graduation requirement of passing a year long course covering the California Algebra 1 Standards. This standards base course does not satisfy the prerequisite for High School Geometry.

Note: This course is NOT U.C. and C.S.U. certified.

## PERSONAL FINANCE WITH BUSINESS APPLICATIONS

(Formerly Consumer Math)

(11-12) - Year

*Required: Teacher or Counselor recommendation only.*

Using basic math skills, this course is designed to show how students can apply these same skills to the real world of personal finance. Students will be introduced to elements of every day financial transactions, as well as life's major financial decisions. Included will be: Banking Transactions, Income Management, Vehicle Ownership, Loans/Credit Cards, Investments, Real Estate, Renting Apartments, and some basic Business (retail oriented).

Note: This course is NOT U.C. and C.S.U. certified.

## TRANSITION TO ALGEBRA

(9-12) - Year

*Required: Recommendation of math teacher.*

This course is designed to prepare students for a one-year course in Algebra. The course content includes properties of real numbers, solving & graphing linear equations, solving & graphing inequalities, writing linear equations, and a review of basic skills such as fractions and decimals.

**Note: Calculators are NOT allowed.**

Note: This course is NOT U.C. and C.S.U. certified.

## ALGEBRA 1

*U.C. and C.S.U. Certified*

(9-12) - Year

*Required: 8th grade teacher recommendation (for freshman); grade of C or better in Transition to Algebra (non-freshman B or better strongly recommended); students new to the SRVUSD who were recommended to take first year Algebra.*

The course content includes working with properties of real numbers, solving linear equations, graphing linear equations and functions, writing linear equations, solving and graphing linear inequalities, systems of linear equations and inequalities, exponents and exponential functions, quadratic equations and functions, polynomials and factoring, rational expressions and equations, and radicals and connections to Geometry.

**NOTE: Calculators are NOT allowed.**

## BASIC HIGH SCHOOL MATH

(11-12) - Year

*Required: Administration Recommendation Only*

This course is designed for 11 - 12th grade students who have not passed the California High School Exit Exam (CAHSEE). This course is also suitable for students who have passed Algebra Standards or Algebra 1.

Note: This course is not UC/CSU certified.

## GEOMETRY

*U.C. and C.S.U. Certified*

(9-12) - Year

*Required: Grade of C or better in Algebra I and teacher recommendation*

The objective of this course is to help the student understand plane and space relationships. Topics covered in the course are: basic spatial concepts, deductive proofs, parallelism, perpendicularity, congruence, quadrilaterals, ratio and proportion, similar polygons, the Pythagorean Theorem, right triangle trigonometry, circles, coordinate geometry, regular polygons, areas, volumes, compass and straight edge constructions, and optional topics as time allows.

## ALGEBRA 2

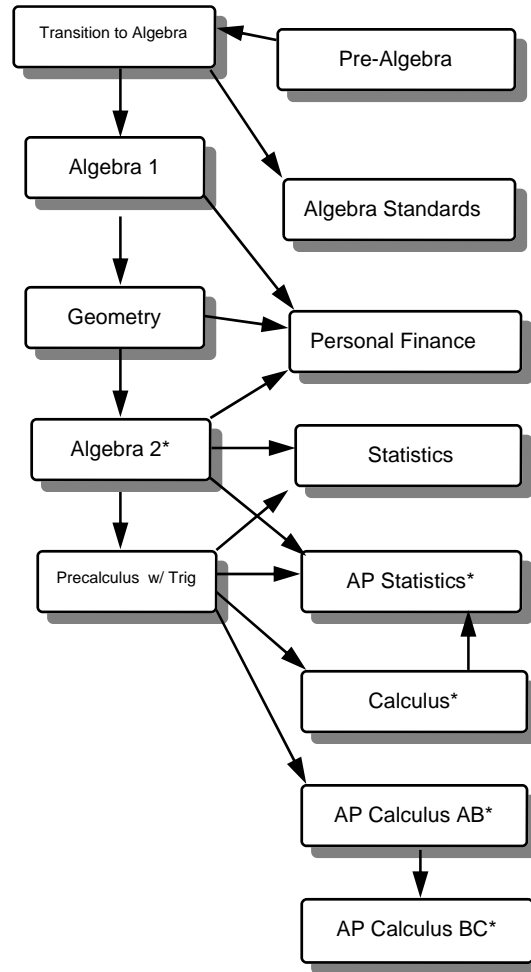
*U.C. and C.S.U. Certified*

(9-12) - Year

*Required: Grade of C or better in Geometry and teacher recommendation*

Algebra 2 is a college prep course which emphasizes review of Algebra 1,

## MATH COURSES at MONTE VISTA



\*Advanced, Honors, or Regular Sections

**NOTE:** All students must pass Algebra 1 or Algebra Standards in order to receive a high school diploma.

the Real and Complex Number Systems, solving equations and inequalities, and functions including linear, quadratic, exponential, logarithmic, and rational. Sequences and series, determinants, conic sections, the Binomial Theorem, permutations, combinations, and probability will also be covered.

## PRECALCULUS WITH TRIGONOMETRY

(formerly Trig/Math Analysis)

*U.C. and C.S.U. Certified*

(10-12) - Year

*Required: Grade of B or better in Algebra II is strongly recommended. Graphical calculator required (TI-84 recommended; TI-89 is not allowed on many exams).*

This is a course in functions, development of the trigonometric functions through the use of the concept of circular functions, graphical characteristics of the trigonometric functions-including translations, amplitude, change of period, domain, range, and sums and differences of functions, inverse trigonometric functions-notations and graphs, trigonometric identities, including addition and double-angle and half-angle formulas, use of degree and radian measures, solution of trigonometric equations, polar coordinates and vectors; solution of problems related to force and navigation, matrices and determinants, higher degree equations, logarithmic functions, rational functions, summation notation, mathematical induction, the conic sections (parabola, ellipse, hyperbola), translations and rotations of the axes and curve sketching.

## HONORS PRECALCULUS WITH TRIGONOMETRY

(formerly Honors Trig/Math Analysis)

U.C. and C.S.U. Certified

(10-12) - Year

Required: **Teacher recommendation only.** Graphical calculator required (TI-84 recommended; TI-89 is not allowed).

All students interested in this course should sign up for Precalculus with Trigonometry. Following the screening process counselors will place qualified students into Honors Precalculus with Trigonometry. **Students who find this course too difficult may not have the option of switching from this course to the regular Precalculus with Trigonometry course after 3 weeks.**

NOTE: If a student does switch to the regular class, the grade earned to date will be carried over to the new class.

This course covers a more in-depth study of topics covered in Precalculus with Trigonometry and additional topics such as space coordinates, polar equations, limits, etc

## CALCULUS

U.C. and C.S.U. Certified

(11-12) - Year

Required: Grade of C or better in Precalculus with Trigonometry and/or teacher recommendation. Graphical calculator required (TI-84 recommended; TI-89 is not allowed on many exams).

The topics covered are: functions, limits, continuity, the derivative, rectilinear motion, minima-maxima problems, related rates, the indefinite integral, the definite integral, applications of the definite integral (area between curves, distance, volume, arc length, areas of surfaces of revolution, etc.), transcendental functions-differentiation and integration, and methods of integration.

## CALCULUS AB AP

U.C. and C.S.U. Certified

(11-12) - Year

Required: **Teacher recommendation only.** Graphical calculator required (TI-84 recommended; TI-89 is not allowed on many exams).

All students interested in this course should sign up for Calculus. Following the screening process, counselors will place qualified students into Calculus AB AP. This course includes the following topics: functions and graphs, limits, derivative, continuity and sequences; differentiation of algebraic functions; and applications of differential calculus; Rolles and Mean Value Theorems, graphing, applied minima-maxima, concavity, differentials, related rates, anti-derivatives, the theory and applications of integral calculus, methods of integration, differentiation and integration of transcendental functions. Problems requiring the use of graphical calculators will be included in the curriculum. Graphical calculator problems will also be on the AP Exam. Time is spent in preparing for the AP Exam in Calculus.

## CALCULUS BC AP

U.C. and C.S.U. Certified

(12) - Year

Required: Successful completion of Calculus AB AP AND teacher recommendation. Graphical calculator required (TI-84 is recommended; TI-89 is NOT allowed on many exams).

This course will include a brief review of the topics covered in AP Calculus AB. Additional topics will include: parametric, polar, and vectors functions, including their derivatives and applications; numerical solutions to differential equations using Euler's method; L'Hopital's Rule; applications of integrals including arc length and surface area; all methods of integration; improper integrals; solution of logistic differential equations; sequences and series and tests for convergence and divergence; Maclaurin and Taylor Series.

## STATISTICS

U.C. and C.S.U. Certified

(11-12)- Year

Required: C- or better in Algebra 2 AND teacher recommendation. Graphical calculator required (TI-84 recommended)

This course introduces the discipline of statistics to students to provide a solid foundation in problem solving and processing statistical information. Students will leverage statistical analysis and computation using a variety of real-world problems and information from business, science, economics, and other sources.

## STATISTICS AP

U.C. and C.S.U. Certified

(11-12)- Year

Required: B- or better in Algebra 2 AND teacher recommendation. Graphical calculator required (TI-84 recommended)

Advanced Placement Statistics is for students who wish to complete studies in secondary school equivalent to an introductory, non-calculus based, college course in statistics.

The purpose of the AP Statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Observing patterns and departures from patterns.
2. Planning a Study: Deciding what and how to measure.
3. Anticipating Patterns: Producing models using probability and simulation.
4. Statistical Inference: Confirming Models.

Students who successfully complete the course and examination may receive college credit and/or advanced placement for a one-semester introductory college statistics course.

# SCIENCE \_\_\_\_\_

**It is strongly recommended that all freshmen be enrolled in a science class. Evidence supports that completing a year of science at the freshman level significantly improves students success in future science classes. Students in Honors, Advanced and year-long courses are not allowed to switch to another level or course after the first 3 weeks of school. No exceptions.**

## LIFE SCIENCE

### BIOLOGY

U.C. and C.S.U. Certified (Lab Science)

(9-12) - Year

Required: Enrollment in Geometry or higher math. Students with C or higher in integrated physical science & concurrent enrollment in Geometry may enroll in biology as a sophomore.

Biology is a study of living organisms and their interrelationships with other organisms and their environment. It is an expanding study of life from the cellular level to the functioning of the entire organism. Subject matter includes the science process, biochemistry, cell biology and physiology, genetics, ecology evolution & human body systems.

### ACCELERATED (ADVANCED) BIOLOGY

U.C. and C.S.U. Certified (Lab Science "D" Requirement).

(9) - Year

Required: B average in Adv. Algebra or Algebra 1B. An A average in 8th grade Science & English. Students should be concurrently enrolled in Geometry or higher math 9th grade year. **\*8th grade science teacher recommendation via email to MVHS Science Department Chair & counseling secretary required.**

This class is for the highest achieving student with a keen interest in science. It is pre-AP Biology and is highly encouraged for students wishing to take AP Biology in their Jr. or Sr. year. This class is different from regular biology in that it is able to go more in-depth into each content area, it incorporates more hands on and inquiry lab activities and is taught thematically. Students will have the opportunity to develop a science experiment of their own choosing with the goal being to enter that project into the local science fair. Subject matter includes the science process, biotechnology, biochemistry, cell biology and physiology, genetics, ecology, evolution and human body systems.

### STUDENT CRITERIA SUMMARY:

1. High interest in hands on inquiry and problem based science.
2. Above grade level reading ability.
3. Self-motivated, responsible, and organized.
4. Computer literacy including familiarity with the use of email, word processing, and the Web as a resource tool.

## LIFE SCIENCE

(11-12) - Year

**Strongly recommended** for students who have not passed Algebra 1 or Integrated Physical Science with a "C" or higher. This course meets the high school graduation requirements for Life Science. Students who pass this course with a "C" or higher and have passed Algebra 1 may take Biology the following year. This course parallels the state standards for Biology and prepares students for the 10th grade NCLB. Topics include genetics, cell biology DNA, organic chemistry, evolution, and ecology. **This course does not meet the UC/CSU requirements for a "D" laboratory based course.**

## ANATOMY AND PHYSIOLOGY

*U.C. and C.S.U. Certified (Lab Science)*

(10-12) - Year

*Required: C or higher grade in Biology and Chemistry or concurrent enrollment in chemistry.*

This course covers all human body systems. It covers the anatomy relating the individual parts to the whole, the physiology providing an understanding the function of the parts of the system and the pathology of the system relating a specific disorder to the abnormal functions of the whole organism. Lecture, textbook, dissection and physiochemical lab work will be utilized.

## HONORS ANATOMY & PHYSIOLOGY

*U.C. and C.S.U. Certified (Lab Science)*

(10-12) - Year

*Required: B or higher grade Biology and Chemistry for all incoming junior or senior students; incoming sophomores must be concurrently enrolled in Chemistry or Honors Chemistry along with Honors A&P. **\*All students must have current science teacher signed approval.** As an honors level course this class earns a weighted grade.*

This course consists of a faster paced and more in-depth study of the topics covered in regular anatomy & physiology and some additional topics such as forensic science as it relates to the human body. This is a very hands on course with a minimum of 55% laboratory time devoted to human physiology and gross anatomy specimen dissections. The biochemistry and histology of each body system is incorporated into the lab activities. This course is recommended for students planning to pursue a college program in the health or science fields such as medicine, physical therapy, kinesiology, sports medicine, veterinary science etc.

## AP BIOLOGY

*U.C. and C.S.U. Certified (Lab Science)*

(11-12) - Year

*Required: B or higher in both semesters of Biology.*

*Required: B or higher in Honors Chemistry or an A in regular Chemistry with teacher signature.*

This course is for second year Biology students and parallels the materials studied in college level introductory biology classes. Lecture, text, supplemental readings, and laboratory exercises will be equivalent to those at the college level. Students are expected to take the AP Biology Exam in May. Students enrolled in this course due to the "fast-paced" curriculum require self-motivation, excellent reading skills and high organizational skills. Required summer assignment must be done prior to the beginning of class. Textbook purchase and mandatory lab fee are required.

## ROP AP ENVIRONMENTAL SCIENCE

*U.C. and C.S.U. Certified*

(11-12) - Year

*Required: Enrollment in Algebra 2 or higher math. Biology and Chemistry with a grade of B or higher for both semesters. \*Chemistry teacher recommendation.*

This course is designed to be the equivalent of a college-level semester course in Environmental Science. Environmental Science is an interdisciplinary field of study, and the goal in this class is to integrate what you know about biology, chemistry, math, earth science, sociology, etc. to better understand the natural world and the forces that affect it. You will study the interrelationships of the natural world, analyze environmental problems and risks associated with them and examine solutions for resolving these problems. The class includes a strong laboratory and field investigation component. Independent work is an expectation of this course, and you will be

required to master much content material on your own so that we have more time for laboratory and fieldwork. Students are encouraged to take the APES exam. A lab fee is required and some summer reading must be done prior to the beginning of the class.

## ROP BIOTECHNOLOGY (New)

*U.C. and C.S.U. Certified (Lab Science)*

(11-12) Year

*Required: B or better in Biology, one year Chemistry completed OR concurrent enrollment, science teacher recommendation.*

This course is designed to offer students applicable laboratory skills and experiences, allowing them a choice of entering into a career directly out of high school or entering a college or university prepared with the necessary skills to advance into a medical or scientific field. A variety of laboratory experiences including DNA extraction, digestion recombinant DNA activities, protein purification, microbiological techniques, bacteriology and other related applications.

## ROP FORENSIC SCIENCE

*U.C. and C.S.U. Certified. Meets "G" elective requirement*

(11-12) - Year

*Required: Must have had Algebra 1, Geometry, Biology, and Chemistry (can be concurrently enrolled)*

In this class, emphasis is on understanding the underlying scientific theories of forensic science, with special emphasis on chemistry. The class will build upon the student's prior knowledge of biology and chemistry, using analytical chemistry techniques to analyze and identify trace evidence, including DNA. Students will evaluate the constituents of materials by organic, inorganic, and biochemical analysis, and use their academic and laboratory skills to develop a deeper understanding of science. A sound foundation in the scientific principles underlying the laboratory techniques is crucial to the education of a forensic scientist. This class prepares students to further their science education at the university level, and introduces them to the possibilities of a science related career.

## PHYSICAL SCIENCE

### INTEGRATED PHYSICAL SCIENCE

*U.C. and C.S.U. Certified ("G" elective; not a UC lab science)*

(9-12) - Year

This course is strongly recommended for ALL freshman in Algebra I or higher that have not met the guidelines to enter Biology or Accelerated Biology. Students who pass Integrated Physical Science with a C or better and have passed Algebra 1 and are entering Geometry are encouraged to continue on to Biology. Students who do not pass Algebra 1 and do not pass Integrated Physical Science with a C or are recommended to continue on to Life Science sophomore year. Integrated Physical Science covers basic Chemistry, Physics, Earth and Biological Sciences beyond the 8th grade standards. Topics include: atomic and molecular structure, chemical bonds, acids and bases, heat and thermodynamics, waves, electric and magnetic phenomena, dynamic earth processes, biogeochemical cycles, California geology, ecology and evolution. This course fulfills the physical science graduation requirement, and meets the UC & CSU "G" elective requirements. This course does not meet the UC/CSU lab requirement for admission.

### GEOLOGY

*U.C. and C.S.U. Certified ("G" elective; not a UC lab science)*

(11-12) - Year

*Required: C or better in Biology and Algebra 1; and concurrent enrollment in Geometry. Geology is a college-preparatory lab science course.*

Geology is the study of the earth and the processes that have shaped it. Students will study minerals and rocks, volcanoes, earthquakes, geologic structures, landforms, plate tectonics and other geologic processes. Special emphasis will be placed on local geology (Mt. Diablo, Hayward fault, etc.). This course does not require chemistry or a strong mathematical background. This will be an activity-based course with a large percentage of laboratory time. Students will also complete web-based assignments. This course meets the physical science requirement for graduation and meets the California Science Standards. Although 30-40% of the course is laboratory based, it does not fulfill UUCP's lab science requirement.

## CHEMISTRY

*U.C. and C.S.U. Certified (Lab Science)*

(10-12) - Year

*Required: C or better in Geometry & Biology.*

This course utilizes text and laboratory manuals to emphasize a laboratory approach to chemistry. Chemistry deals with matter, its properties, and the changes it undergoes. Some of the topics covered are atomic structure and theory, properties of gas, solids and liquids, chemical bonding, and principals of chemical reactions.

## CHEMISTRY HONORS

*U.C. and C.S.U. Certified (Lab Science)*

(10-12) - Year

*Required: Enrollment in Geometry or higher math. B or higher required in biology. \*Biology teacher recommendation. This course is a recommended for AP Chemistry.*

It is designed for students intending to major in science or engineering. It provides a solid foundation for students planning to take chemistry in college. This course includes a more in-depth study of the topics covered in chemistry as well as additional topics.

## AP CHEMISTRY

*U.C. and C.S.U. Certified (Lab Science)*

(11-12) - Year

*Required: Enrollment in Algebra 2 or higher. "B" or higher BOTH semesters of HONORS Chemistry, an "A" in BOTH semesters of NON-HONORS chemistry. \*Chemistry teacher recommendation. \*Passing grade on qualifying exam.*

The Advanced Placement Chemistry course is designed to be the equivalent of the general chemistry course taken during the first college year. Emphasis is given to the theoretical aspects of chemistry, chemical calculations and laboratory exercises. Topics such as the structure of matter, kinetic theory of gases, chemical equilibrium, chemical kinetics, and the basic concepts of thermodynamics are presented in considerable depth. Students will be encouraged to take the Advanced Placement Chemistry exam. Summer work will be required for students coming from a non-Honors Chemistry class.

## PHYSICS

*U.C. and C.S.U. Certified (Lab Science)*

(11-12) - Year

*Required: Concurrent enrollment in or completion of Algebra 2 and B or better in Geometry.*

If you have ever wondered about how things worked (your CD player, pager, cell phone, ice skating, tennis, or rainbows to name a few), then this is the course for you. This course is recommended for all students planning to attend college. Basic physical concepts and their applications to everyday activities (toys, sports, and light) are emphasized through a variety of lab activities and problems. Skills taught in class include problem solving strategies, lab techniques, technical writing (lab reports), and graphical analysis of data. Physical concepts basic to all fields of science and critical thinking skills that can be utilized in any college major are introduced. Topics include motion, forces, energy, wave theory, light, electricity, and magnetism.

## PHYSICS HONORS

*U.C. and C.S.U. Certified (Lab Science)*

(11-12) - Year

*Required: Enrollment in Algebra 2 or higher. B or better in Geometry and Chemistry and physics teacher recommendation.*

The course consists of a more in-depth study of the topics covered in physics and some additional topics. The course work and tests are more challenging than in Physics. The course is recommended for students planning to take Physics in college. It is intended for students planning to major in Physical Science, Engineering, or Math.

# WORLD LANGUAGE

All students who have completed two years of middle school world language with a "B" or better may enroll in level 2 of world language as freshmen.

## AMERICAN SIGN LANGUAGE (ASL) 1

*U.C. and C.S.U. Certified*

(9-12) - Year

*Strongly recommended: Overall C average.* This course will teach basic signs, grammar, finger spelling, and cultural aspects of deafness. Students will learn basic communication as well as song signing. Total participation is mandatory in order to properly learn the language. Activities will include: students working in pairs or groups, role playing, skits, songs, and impromptu presentations. In addition to written homework, students are expected to study/practice the language outside the classroom on a daily basis. Students will also be required to complete a book report and attend one out-of-class function.

## AMERICAN SIGN LANGUAGE 2

*U.C. and C.S.U. Certified*

(10-12) - Year

*Required: C or better in American Sign Language 1 and teacher recommendation.*

This course further develops basic reception and production skills in American Sign Language. Emphasis will be on Deaf Culture, syntax, and vocabulary of more abstract concepts. Students will be required to sign stories, skits, and songs, as well as attending two out-of-class functions, completing one book report and a research paper. In addition to written homework, students are expected to study/practice the language outside the classroom on a daily basis.

## AMERICAN SIGN LANGUAGE 3

*U.C. and C.S.U. Certified*

(10-12) - Year

*Required: C or better in American Sign Language 2 and teacher recommendation.*

This course further develops basic reception and production skills in American Sign Language. Emphasis will be on Deaf culture, syntax, vocabulary, and the ability to demonstrate abstract ideas and concepts. Students will be required to sign skits, songs, stories, poetry and create a video. There will be frequent translation exercises as well as a book report, two out-of-class functions, and a report on a famous deaf person. This course may not be repeated for credit.

## FRENCH 1

*U.C. and C.S.U. Certified*

(9-12) - Year

*Strongly recommended: A or B in English and overall C average.*

An introduction to reading, writing, listening and speaking French. Students learn about the language and culture of French-speaking countries.

## FRENCH 2

*U.C. and C.S.U. Certified*

(9-12) - Year

*Required: C or better in French 1 and teacher recommendation.*

A continuation of the study begun in French 1. Students learn to speak, listen, read, and write at a more advanced level. Francophone cultures are compared and contrasted with USA customs. Students learn from grammar exercises, authentic assessments, group projects, skits, videos and music.

### FRENCH 3

*U.C. and C.S.U. Certified*

(9-12) - Year

*Required: B- or better and teacher recommendation*

An intermediate course which heavily emphasizes the grammatical structures of the language. Conversing in the target language becomes imperative. Students master irregular verbs, formation and use of 6 verb tenses, pronouns and adjectives. Students expand their vocabulary and learn about Francophone culture and history by presenting current events, reading stories, studying art, creating original oral and written work and watching videos in French. Good work habits are necessary.

### FRENCH 4 HONORS

*U.C. and C.S.U. Certified*

(11-12) - Year

*Required: B- or better in French 3 and teacher recommendation.*

This course is conducted in French. Good independent habits are important. Students learn advanced grammatical structures and practice writing in a variety of contexts, including essays, poems, skits and letters. Students read authentic Francophone literature in a variety of genres (internet news, magazines articles, poems, short stories, plays, and novels) and begin in-depth analysis of literary works. . Students present oral reports, skits, and debates.

### FRENCH 5 AP LANGUAGE

*U.C. and C.S.U. Certified*

(11-12) - Year

*Required: B or better in French 4 and teacher recommendation*

A love of French and good study habits are prerequisites for this course. Students deepen their knowledge and abilities in French and prepare for the AP exam. Students read from many sources including newspapers, magazines, poems, short stories, plays, and novels to increase vocabulary, communication skills, and knowledge of French culture. Students write on a variety of subjects, practice oral expression and listening comprehension.

### FRENCH 5 AP LITERATURE

*U.C. and C.S.U. Certified*

(11-12) - Year

*Required: B or better in French 4 and teacher recommendation*

This course, conducted in French, will cover works of literature from the Francophone world. Students are expected to read and analyze literature orally and in writing in French. The language proficiency reached by the end of the AP course is generally equivalent to that of college students who have completed various semesters of French in the four skills of listening, speaking, reading and writing. Students will understand lectures in French and participate orally in literary discussions. They will learn appropriate terminology and format for doing critical analysis of literary works. This class will prepare students specifically for the AP French Literature exam and will include test preparation practice.

### GERMAN 1

*U.C. and C.S.U. Certified*

(9-12) - Year

*Strongly recommended: Overall C average.*

Introduction to all 4 basic language skills: listening, speaking, reading and writing. German culture and geography are also introduced.

### GERMAN 2

*U.C. and C.S.U. Certified*

(9-12) - Year

*Required: C or better in German 1 and teacher recommendation.*

Continuation of German I and the study and practice in the four world language skills.

### GERMAN 3

*U.C. and C.S.U. Certified*

(10-12) - Year

*Required: C or better in German 2 and teacher recommendation.*

Intermediate level, stressing grammar and vocabulary in addition to selected works of classical and modern authors.

### GERMAN 4 HONORS

*U.C. and C.S.U. Certified*

(11-12) - Year

*Required: B- or better in German 3 and teacher recommendation.*

Advanced course, conducted in German focusing on themes and vocabulary from modern and classical German literature; advanced review and use of grammar. Themes are varied from year to year to prevent duplication of material from Honors to AP. Both years include preparation for the Advanced Placement exam in May.

### GERMAN 5 AP

*U.C. and C.S.U. Certified*

(11-12) - Year

*Required: B- or better in German 3 and teacher recommendation.*

Advanced course, conducted in German focusing on themes and vocabulary from modern and classical German literature; advanced review and use of grammar. Themes are varied from year to year to prevent duplication of material from Honors to AP. Both years include preparation for the Advanced Placement Exam in May.

### SPANISH 1

*U.C. and C.S.U. Certified*

(9-12) - Year

*Strongly recommended: Overall C average.*

Introduction to reading writing, listening, and speaking Spanish. Students learn about the language and culture of Spanish speaking countries.

### SPANISH 2

*U.C. and C.S.U. Certified*

(9-12) - Year

*Required: C or better in Spanish 1 and teacher recommendation. Students may also be given a placement exam to insure that they have the background to succeed at this level.*

A continuation of the course of study of the Spanish language and of the associated cultures started in Spanish 1. Spanish 2 is designed to develop the students' speaking and writing skills to a greater extent, to reinforce correct pronunciation and intonation, and to improve listening and reading comprehension. The grammatical study of the language will also be increased.

### SPANISH 3

*U.C. and C.S.U. Certified*

(10-12) - Year

*Required: B or better is recommended in Spanish 2 and teacher recommendation. Incoming students may be asked to take a placement test.* Fundamentals are presented in the form of moderately long reading passages with emphasis on reading and writing. Conversing in target language becomes imperative. More advanced cultural readings are presented. Students also begin to use vocabulary to learn and to talk about subject areas, which may be new to them (for example: art, ancient cultures, history, etc.)

### SPANISH 4 HONORS

*U.C. and C.S.U. Certified*

(10-12) - Year

*Required: B or better in Spanish 3, teacher recommendation, and students may be asked to take a placement exam which may be administered during the Spring semester.*

Emphasis of this class is Spanish for communication. Students will develop speaking skills through oral presentations and class discussions on various topics. Throughout the year students will read works of Spanish and Latin American authors. Composition and literature assignments will provide the opportunity to review grammar. Class conducted completely in Spanish. Enthusiasm for Spanish is a must.

## SPANISH 5 AP LANGUAGE

*U.C. and C.S.U. Certified*

(11-12) - Year

*Required: B or better in Spanish 4 Honors and teacher recommendation.*

This course will emphasize aural/oral skills, reading comprehension, grammar, and composition. Students are expected to use Spanish for active communication to reach the following objectives of the course: 1) to Comprehend formal and informal spoken Spanish 2) Acquire vocabulary and a grasp of structure to allow the easy, accurate reading of newspaper and magazine articles, as well as modern literature in Spanish 3) Compose essays citing various written and auditory sources 4) Express ideas orally with accuracy and fluency. Students will acquire the above skills through a myriad of activities given in each thematic unit. The following subjects are typical of these thematic units: Immigration, Celebration, Human Rights, Adolescent, Love, Humor, Men vs. Women, Fantasy vs. Reality, etc. During each thematic unit studied, students will learn vocabulary, write essays, read stories, listen to auditory clips, read articles, listen to music, debate, see a movie, etc related to each theme. The language ability refined during the AP course is equivalent approximately to that of college students who have completed various semesters of Spanish. This course will give materials and guidance to prepare students for the AP Spanish Language exam.

## SPANISH 5 AP LITERATURE

*U.C. and C.S.U. Certified*

(11-12) - Year

*Required: B or better in Spanish 4 Honors and teacher recommendation.*

This course will be covering selected works from the literature of Spain and Spanish America. Students are expected to read and analyze literature orally and in writing in Spanish. The language proficiency reached by the end of the AP course is generally equivalent to that of college students who have completed various semesters of Spanish in composition, conversation, and grammar as well. This course's goals are: 1) to understand a lecture in Spanish and to participate actively in discussions on literary topics in Spanish 2) to do a close reading of literary texts of all genres in Spanish 3) to analyze critically the form and content of literary works orally and in writing using appropriate terminology. The class will also provide information and guidance specifically geared toward taking the AP Spanish Literature exam, such as discussion of question types, grading criteria and practice exams.

## JAPANESE 1

*U.C. and C.S.U. Certified*

(9-12) - Year

*Strongly recommended: A or B in English, overall C average.*

This course is only for students with NO PRIOR KNOWLEDGE of Japanese. An introduction to the Japanese language with emphasis on proper pronunciation and ability to read and write in two of the three writing systems; Hiragana and Katakana. It will acquaint students with aspects of Japanese tradition, culture and history which affect contemporary lifestyles and beliefs.

## JAPANESE 2

*U.C. and C.S.U. Certified*

(10-12) - Year

*Required: C or better in Japanese 1 or equivalent and teacher recommendation.*

This is a continuing course for the students who have completed the curriculum outlined in Japanese 1. Further conversation skills are emphasized through video and audio tapes in conjunction with role-playing in the class. Approximately 100 kanji characters are introduced which enhance the reading and writing skills of more complicated Japanese sentences. (Kanji represents the third of three writing systems in Japanese.) Cultural lessons are provided through projects, movies, animation and calligraphy.

## JAPANESE 3

*U.C. and C.S.U. Certified*

(10-12) - Year

*Required: Japanese 2 (grade B or better) and teacher recommendation.*

A continuation of Japanese 2; focus is on fluency in spoken and written skill. Students will gain increased oral fluency and communication skills for everyday use, learn approximately 250 new kanji characters to read and write, increase proficiency in reading skills, and gain insight into Japanese cultural and social practices. Class is conducted entirely in Japanese.

## JAPANESE 4 HONORS

*U.C. and C.S.U. Certified*

(10-12) - Year

*Required: B average in Japanese 3 and teacher recommendation. Students entering from another program may be asked to take a placement exam.*

Emphasis in this class is on oral fluency and reading and writing skills. Students will learn approximately 500 new kanji characters and will read a variety of Japanese literature and current publications. Cultural lessons are designed to further enhance students' knowledge of Japanese social and cultural practices. Class is conducted entirely in Japanese.

## JAPANESE 5 AP

*U.C. and C.S.U. Certified*

(10-12) - Year

*Required: B average in Japanese 4 and teacher recommendation. Students entering from another program may be asked to take a placement exam.*

Students will increase oral fluency and communication skills for a variety of real-world purposes. They will learn approximately 600 kanji characters and will gain increased proficiency in reading, writing, speaking and listening. Class is conducted entirely in Japanese and students will develop an insight into Japanese cultural and social practices. This course will give materials and guidance to prepare students for the AP Japanese Language and culture exam.

# VOCATIONAL/APPLIED ARTS- (CAREER TECHNOLOGY)

*Courses in this section may meet Technology and/or Elective credit requirements.*

ROP courses require students to be 16 years old by the first day of class or in 11th or 12th grade.

## ROP SPORTS MEDICINE

*U.C. and C.S.U. Approved*

(11-12) - Year

*10th graders may take this course if they are 16 by the first day of class.*

The field of Sports Medicine is a very popular and exciting career. Sports Medicine is the phrase that is used to describe a vast network of medical multi-disciplinary medical concerns relating to athletic activity. This course will provide the student with a broad knowledge of human anatomy, kinesiology, nutrition, first aid and CPR, and injury prevention, which will build a foundation that, will prepare students for college courses in medicine. Such majors include pre-med, physical therapy, athletic training, exercise, physiology, biomechanics, orthopedics, sports psychology, chiropractic medicine and dentistry.

## ROP ADVANCED SPORTS MEDICINE

*Advanced Sports Medicine not UC Approved*

(11- 12) - YEAR

*Required: Passing Level 1 with B+ or better.*

This course is designed to provide in-dept review of the anatomy and injuries of the human body with instructional and practical "hands on" experience with the care and treatment of student-athletes. This gives them the chance to practice the skills they have learned in the classroom and use them in a professional setting. The hands-on experience will include evaluation, treatment, rehab, and taping and wrapping skills of sport injuries. The set up will be a simulation of a physical therapy clinic. This section will be 5th and 6th period with internship hours after school.

## CAREER EXPLORATION

(9-12) - Year

In this course students will learn the required skills, training, potential pay and working conditions of various careers. A career plan will be completed with the use of skills analysis and student interests. By exploring a variety of different careers and taking advantage of some of the personality instruments currently available, students will tighten the focus of their educational goals and objectives. A variety of mediums will be used to explore different careers, including Internet, print medium and informational interviews. (This course is currently available pending School Board approval.)

Note: This class is not UC/CSU certified.

## CAREERS IN TEACHING

(11-12) - Year

This course is designed to provide students with knowledge of career opportunities in the field of teaching. Career preparations standards, which include basic academic, safety, communication, interpersonal and problem solving skills are integrated throughout the course. Experience is gained as a teacher's aide through internships with neighboring elementary and middle schools. The course helps prepare students for the entry into college or university teacher training programs. The class meets at Monte Vista one day a week and at the intern school the other days of the week.

Note: This class is not UC/CSU certified.

## CULINARY ARTS 1

(9-12) - Year

Monte Vista Culinary Academy offers hands-on training in Food Preparation and Catering. Students are taught in a "State of the Art" professional kitchen/classroom by a Culinary Institute of America, (New York) graduate. Students are prepared for employment in the hospitality industry, as well as entrance into college programs with a Hotel/Restaurant & Culinary Arts focus. Students will learn food safety and sanitation, basic cooking techniques, knife skills, culinary terminology, and how to use professional cooking equipment. **THIS COURSE IS NOT A VISUAL PERFORMING ART COURSE.**

Note: This class is not UC/CSU certified.

## ROP CULINARY ARTS 2

(11-12) - Year

*10th graders may take this course if they are 16 by the first day of class.*

*Required: Completion of Culinary Arts 1*

Students will learn to master their knife skills, kitchen organizational abilities and leadership skills. They will learn more about catering, ethnic cuisines, menu planning, and preparing complete meals. Students will continue learning and focusing on food safety and sanitation. Students will learn basic job skills needed to run a small business. The "student-operated" campus CAFÉ is a rotating internship. Skills learned from this experience include: customer service, cash management: quality & cost control and other job related responsibilities. Included in this course are four different "Culinary Excursions" (field trips).

Note: This class is not UC/CSU certified.

## ROP DEVELOPMENTAL PSYCHOLOGY OF CHILDREN

*U.C. Certified 'G' Requirement and State University Certified*

(11-12) - Semester or Year

*10th graders may take this course if they are 16 by the first day of class.*

This course is a study of the developmental stages of children from conception through adolescence. It offers both a theoretical and applied academic foundation to the components of psychology, including cognitive development, biosocial development and psychosocial development. Students study and write about the development theories of major psychologists. To gain a deeper understanding of the theoretical content, students have an opportunity for research, clinical observation, and application in a preschool setting. The intent is to integrate theory, research and practice. This course is designed to prepare students with the academic foundation needed to pursue postsecondary study in psychology, human development, or education. *Articulation with local community colleges and UC accredited.*

## TV PRODUCTION

(9-12) - Year

Television Production students acquire the technical skills to produce content for broadcast television. Students practice reporting, shooting and editing news segments as a part of school news programs and talk shows. Teams of students will also produce a variety of video in public service announcements, action and comedy shorts.

**NOTE: This course is not UC/CSU Certified.**

## INTRODUCTION TO BUSINESS ECONOMICS

*U.C. Certified 'G' Requirement C.S.U. Certified*

(10-12) - Year

This survey course provides an introduction to the study of the modern business enterprise. Included will be an examination of the role of business in a market economy; the evolution, formation, and management of American and international operations; the financial, legal, and environmental issues affecting business decisions; the use of information and technology

in business decision-making; and the part marketing plays in developing, pricing, promoting and distributing products.

## Computer Science

ROP courses require students to be in grade 11-12 or be 16 years old by the first day of class.

### COMPUTER 1

(9-12) - Semester

This introductory course gives an overview look at microcomputer operations, operating systems, keyboarding, software applications including word processing, desktop publishing, spreadsheets, slide presentations, and Internet exploration. The major emphasis is hands-on computer operations at a beginning level of learning. This course is highly recommended for all high school students who have limited computer experience. This class is recommended prior to taking Computer 2.

**Note: This class is not UC/CSU Certified.**

### COMPUTER 2

*U.C. Certified 'G' Requirement and C.S.U. Certified*

(9-12) - Semester

*Recommended: Computer 1 and experience using PC computers at the introductory level.*

Students will learn to integrate software applications of word processing, desktop publishing, databases, and spreadsheets and do beginning programming. Students will also learn the Internet. This course is recommended for all students.

### VS.NET (C#, J#, VB)

*U.C. Certified 'G' Requirement and C.S.U. Certified*

(9-12) - Year (Highly recommended for 9th graders interested in programming)

*Must pass an introductory computer course or the competency exam demonstrating application and computer operation skills.*

This is the year-long beginning level programming class for students who have little programming experience. Students will learn to use the VisualStudio.NET programming environment. Students will develop algorithms while programming in languages such as C#, J#, and Visual Basic. This beginning level course concentrates on logic and analytical thinking skills and is recommended for students who want to investigate computer programming, plan on a business, math, or science major, or are preparing for the AP Computer Science Courses.

### AP 'A' JAVA

*U.C. Certified 'G' Requirement and C.S.U. Certified*

(10-12) - Year

*Students should pass VS.NET with grade greater than "C", or teachers consent before signing up for Java AP A class. Teacher recommendation and competence in written communication, a familiarity with mathematical notation at the level of a second course in algebra, experience in problem solving, and an appreciation of the need to structure and develop a given topic in a logical manner.*

Students enrolled in this course will be able to:

1. Design and implement computer-based solutions to problems in several application areas.
2. To learn well-known algorithms and data structures.
3. To develop and select appropriate algorithms and data structures to solve problems.
4. To code fluently in a well-structured fashion using the programming language Java.
5. To be familiar with and be able to use standard AP Java classes.
6. To read and understand a large program and a description of the design and development process leading to such a program. (Examples of such programs are the AP Computer Science Case Studies.)
7. To identify the major hardware and software components of a computer system, their relationship to one another, and the roles of these components within the system.
8. To recognize the ethical and social implications of computer use.
9. To learn how to operate the Windows network and Linux operating systems.

**AP 'AB' JAVA**

*U. C. Certified 'G' Requirement and C.S.U. Certified (11-12) - Year*

*Teacher recommendation, Computer Science AP 'A', and competence in written communication, a familiarity with mathematical notation at the level of a second course in algebra, experience in problem solving, and an appreciation of the need to structure and develop a given topic in a logical manner.*

Computer Science AB includes all the topics of Computer Science A, as well as a more formal and in-depth study of algorithms, data structures, and abstraction. This includes binary trees, linked lists, and additional topics, which are listed in the topic outline on the college board web site.

**Internet/HTML**

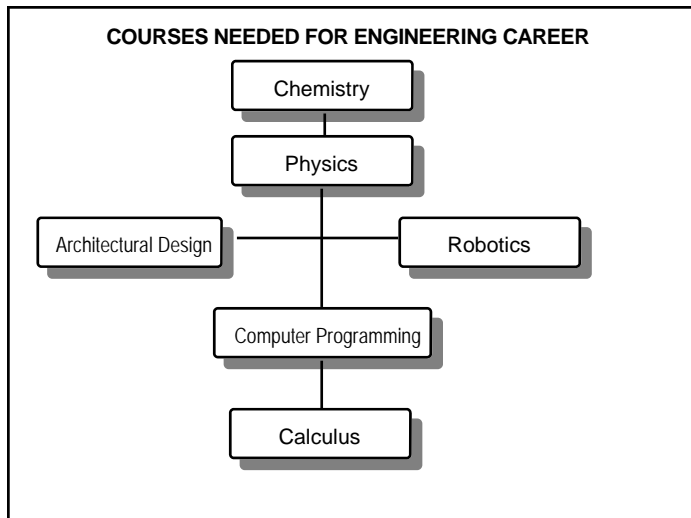
*U.C. Certified 'G' Requirement and C.S.U. Certified*

*(9 – 12) – Semester (Internet is 1st semester/HTML is 2nd semester)*

*Must pass Internet course or competency exam demonstrating application and computer operation skills.*

**Internet:** This course focuses on how to utilize computer application programs and the Internet to support your work in and outside the classroom. Students will learn to communicate on the web, move and copy data on the web, do data and file searches, and use the Internet to perform in depth research.

**HTML:** This course is designed to allow students to begin creating HTML documents and then extend their knowledge of programming and applications. Students will develop HTML documents in support of the complete web site.



**Building Basic Robots**

*(9-12) - Year*

*Required: Completion of Algebra 1*

This course provides a hands-on experience to build and test robots. It will introduce basic robotic applications using computers and Lego kits. Simple ROV's and underwater robots will also be introduced.

**Catch the Robotics Revolution!**

*Note: This class is not UC/CSU Certified.*

**ROP ROBOTICS**

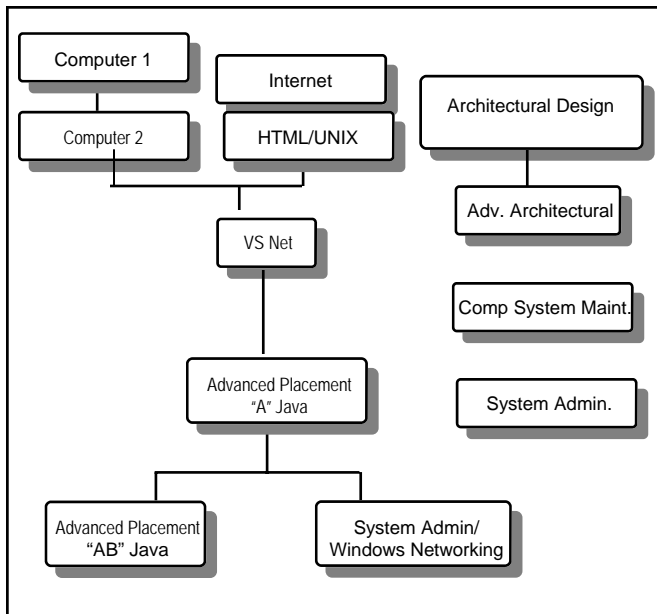
*U.C and C.S.U. University Certified "G" Elective*

*(11-12) - Year*

*10th graders may take this course if they are 16 by the first day of class.*

This competency-based course prepares students for entry-level positions in the robotics industry. It is an instructional program that prepares individuals to assemble, program, maintain and repair robotic devices. Included in instruction is the history and development of robots, types of robotic devices used in industry, computer control systems, robot computer language programming, and troubleshooting techniques. Integrated throughout the course are career preparation standards which include basic academic skills, communication, interpersonal skills, problem solving, workplace safety, technology and employment literacy.

**COMPUTER COURSES at MONTE VISTA**



**COMPUTER SYSTEMS MAINTENANCE**

*(9-12) - Semester/Year*

In this class, students will learn the architecture of computers by assembling, upgrading and repairing computers. Students will learn the technical aspects of computer hardware, how to install operating systems and application software. Emphasis is on teamwork and developing problem solving skills.

*Note: This class is not UC/CSU Certified.*

**SERVER ADMINISTRATION/SOFTWARE SUPPORT/WEB ADMINISTRATION**

*(9-12) - Year*

Students have the opportunity to learn how to setup, support, and run a computer network. This includes software support, web applications, and server management.

**Note: This class is not UC/CSU Certified.**

**System Administration/Networking/ Web Development**

*(11-12) - Year*

Must be enrolled in AP Computer Science or completed an advanced programming class.

Students learn Windows operating systems—system administration and software management for networks. Students work on the classroom network software. Students learn java and .NET web development techniques on both windows operating systems, support the school web site, and develop new web applications for school use. (This course was previously called System Administration/Networking.) Students may prepare for the Microsoft Certifications.

# VISUAL AND PERFORMING ARTS

## Art & Other

### ART 1 - INTRODUCTION TO ART

*U.C. Certified 'F' Requirement and C.S.U. Certified*  
(9-12) - Year

**Lab donation: \$75 per year**

Students will acquire artistic skills in a variety of media. Concepts introduced will focus on the Art Elements and Principles of Design. This class prepares students for sequential art. Class assignments are based on CA Visual Art Standards. Students can expect to utilize writing skills in this class.

### ART 2 (Drawing and Painting)

*U. C. Certified 'F' Requirement and C.S.U. Certified*  
(10-12) - Year

**Lab donation: \$75.00 per year**

Required: Art 1

Students apply artistic processes and skills, using a variety of media, to communicate meaning and intent to works of art. Media may include graphite, colored pencil, ink, watercolor, tempera and acrylics; clay may also be introduced. Assignments emphasize the effective use of the Elements of Art and the Principles of Design. Students will be encouraged to see, practice and appreciate art. Some art history, including brief writing, will be included in the curriculum. Assignments are based on CA Visual Arts Standards.

### ROP EXPLORATORY ART / APPLIED 3D DESIGN

*U.C. Certified 'F' Requirement and C.S.U. Certified*  
(11-12) - Year

Lab donation: \$75.00 per year

*10th graders may take this course if they are 16 by the first day of class.*

Required: Art 1

This introductory course is designed to expose students to a variety of 3D media. Assignments are based and graded on the Art Elements and Design Principles. Art history and writing are included in the curriculum. Assignments are based on the CA Visual Arts Standards.

### ADVANCED ART 5

*U. C. Certified 'F' Requirement and C.S.U. Certified*  
(11-12) - Year

Lab donation: \$75 per year

Required: *Experience in Art 1 and Art 2 or by portfolio review of work by instructor*

This class asks the skilled students to demonstrate understanding of the art elements and principles of design in a rigorous series of lessons. Students are expected to follow lessons specifications while incorporating their own perspectives and style. Students can expect to explore various 2D media and produce substantial work. Art History will play an important role in this class. The class may be used as a preliminary step for AP Art or an opportunity to build a portfolio for serious art students. Assignments are based on the CA Visual Arts Standards.

### AP STUDIO ART

*U. C. Certified 'F' Requirement and C.S.U. Certified*  
(11-12) - Year

Lab Donation: \$75.00 per year

Required: *Art 1, teacher recommendation, portfolio submission*

This class is designed for the advanced visual art student who intends to prepare a portfolio for the College Board Advanced Placement Exam. Students will be expected to produce a quantity of high quality artwork at a rigorous pace for this submission in the spring. Work outside the classroom is expected. All work must follow the class specifications and lesson plans to assure variety and meet the demands of the portfolio contents. Students must be able to demonstrate mastery in various media and artistic concepts. Assignments are based on the CA Visual Arts Standards.

### ROP GRAPHIC DESIGN (New)

*U. C. Certified 'F' Requirement and C.S.U. Certified*  
(11-12) - Year

*10th graders may take this course if they are 16 by the first day of class.*

This class will enable students to achieve an understanding and appreciation of artistic expression and use this knowledge to enhance visual communication. Students will explore drawing techniques and tools used in computer art and digital graphics. The historical, social and cultural uses of art are explored and analyzed. Students create original art projects using contemporary techniques in computer graphics. Students keep design journals, critique their work and the works of others, and maintain portfolios of their artwork and writing. Computer Graphic Arts integrates both the California Visual and Performing Arts Standards with career preparation standards in the application of graphic arts in publishing, design, and illustration in contemporary media.

### ROP THE ART OF VIDEO PRODUCTION

*U. C. Certified 'F' Requirement and C.S.U. Certified*  
(11-12) - Year

*10th graders may take this course if they are 16 by the first day of class.*

Art of Video students acquire the technical skills to produce their own video productions. The course compares the mediums of film, television and video. Students take an in-depth look at the nature of video communication and explore aspects of production such as script-writing, camera work, lighting and sound. Students will also study the art of directing and editing while producing a variety of projects.

### ROP ARCHITECTURAL DESIGN

*U. C. Certified 'F' Requirement and C.S.U. Certified*

Course meets High School Visual & Performing Arts credit requirement.  
(11-12) - Year

Course is repeatable with instructor approval.

*10th graders may take this course if they are 16 by the first day of class.*

Architecture Design focuses on the computer as a design tool for students whose interest is in architecture, engineering, 3D Design and related design areas. Students are guided through a series of projects using computer aided design (CAD) software. Instruction covers elements of design, architectural history, sketching, and computer design. Projects include drawing floor plans, landscape design, building a model structure, engineering drawings and developing a student portfolio. Students are encouraged to participate in the Business Roundtable Competition, Mentor Program, and Job Shadowing. The course utilizes advanced software for architecture, engineering, and 3 dimensional drawing, using AutoCAD, Architectural Desktop, 3D Studio Max, 3d Studio Viz, Inventor, and Solid Works.

### ROP ADVANCED ARCHITECTURAL DESIGN

*U. C. Certified 'F' Requirement and C.S.U. Certified*  
(11-12) - Year

Course is repeatable with instructor approval

Required: *Architectural Design.*

This advanced course of instruction is an extension of Architectural Design 1-2, and relevant for students wanting to pursue advanced levels of design, architectural elements and computer design. In addition, the course provides the opportunity to specialize in an area of concentration chosen by the student in Architectural Design, such as; Environmental Design, City Planning, Architectural Model making, Landscape Designing, Interior Designing, in Construction Related Engineering, such as; Civil Engineering, Mechanical Engineering, Environmental Engineering, and 3D development. Students are required to complete a major project of their own design and submit it for further review by entering an approved competition, or to a licensed architect/engineer. An applied approach to Architectural Design will also be incorporated into the class, this will allow the students to design and build a 3D project; Architectural Model, Balsa bridge or tower, and/or CO2 car.

## DANCE - FINE ARTS

*Dance 2, 3, 4, 5, U. C. Certified 'F' Requirement and C.S.U. Certified (10-12) - Year*

*Required: Teacher approval.*

Dance is an elective class offered to students from grades 10-12. Students interested in Dance will be ability grouped by auditioning. Auditions will be held at the end of May. Students will be taught a routine appropriate for their particular level: Intermediate, Intermediate II, Advanced-Intermediate, and Advanced. Dance is a year course. Students may elect to receive P.E. or fine arts credits. The course content consists of solo studies, group studies, technique classes and learning dance combinations. There will be two performances in November and May.

## THEATRE ARTS I, BEGINNING

*U. C. Certified 'F' Requirement and C.S.U. Certified (9-12) - Year*

Meets Fine Arts Graduation Requirement

Do you have dreams of being a star? Are you afraid to get up in front of people? Do you enjoy entertaining others and being entertained? Then this is the course for you. Theatre Arts 1 is designed to give introductory training in the technique of acting and to stimulate creative expression. Skills taught include pantomime and improvisation which culminates into a performance where students will participate in "An Evening of Improvisation". Students will then explore the Stanislavski Method of Acting through acting scenes and monologue study. In the spring semester, students participate in a One Act Play Festival. They perform in a Children's Theatre play which is presented at the local grammar schools.

## THEATRE ARTS 2, INTERMEDIATE

*U. C. Certified 'F' Requirement and C.S.U. Certified (10-12) - Year*

Meets Fine Arts Graduation Requirement

*Required: Monologue audition and consent of the teacher.*

In Theatre Arts 2, a more advanced range of dramatic expression is encouraged. Students prepare for the Ohlone Drama Festival. Skills taught include contemporary comedy acting techniques, Restoration Period acting techniques, interpretation of Shakespearean scenes and monologues. Emphasis on audition techniques is emphasized. Students work on play writing and developing original scripts. Students study the origin of the theatre through Greek playwrights. Emphasis shifts to production experience as students prepare for their spring main stage production. Elements of stage crafts, lighting, sound, scenery and stage make-up will be covered as we prepare for our play. This culminates in a final production of scenes and highlights from their year of study.

## THEATER ARTS 3- STAGECRAFT

*U. C. Certified 'F' Requirement and C.S.U. Certified (10-12) - Year*

*Required: Interest in backstage crew and teacher approval.*

This is the Stagecraft Class. If you like to paint scenery, this is the class for you. Assignments include set design, drop design, stage lighting, sound, props, costuming, drawing, and perspectives. Students will build the scenery for our five main stage productions. Students will also be trained to be the backstage crew for our school productions. Students are required to work backstage during our school performances.

## PLAY PRODUCTION ADVANCED

*U. C. Certified 'F' Requirement and C.S.U. Certified (10-12) - Year*

Meets Fine Arts Graduation Requirement

*Required: Monologue Audition and consent of the teacher.*

Play Production is an extensive program which produces three main stage productions a year and participation in competitions and festivals. In-depth character study and creative development of believable stage personalities will be emphasized. This class includes scenery construction, lighting design, make-up, costuming and all aspects of producing a play. Students are involved in after school rehearsals, which involves approximately 30-40 hours per semester.

## PHOTO 1 (Introduction to Photography)

*U. C. Certified 'F' Requirement and C.S.U. Certified (10-12) - Year*

Lab donation: \$75.00 per year

Students will need access to a 35mm camera. Additional expenses may include the purchase of film and printing paper. Content includes basic skill building in picture taking, processing, and printing. Photos are evaluated on print quality, composition, focus, exposure, and artistic merit. Work outside the classroom is expected. Assignments are based on the CA Visual Arts Standards.

## ROP ADVANCED PHOTOGRAPHY

*U. C. Certified 'F' Requirement and C.S.U. Certified (11-12) - Year*

Lab donation: \$75.00 per year

*Required: Introduction to Photography*

Students will need access to a 35mm camera. Additional expenses for this class include photographic film and printing paper. This class emphasizes individual style and interpretation of subject matter using the refined skills of picture taking, processing, and printing, covered in Introduction to Photography. Students will produce a series of assigned photos first semester and then develop a portfolio that demonstrates their photographic strengths and style in the Spring. Students at this level should have basic skill competency. All assignments are based on the CA Visual Arts Standards.

## PUBLICATION PRODUCTION (Yearbook)

(9-12) - Year

*Required: Teacher approval/Application required.*

This is a serious publication class. Students in this class are responsible for the production of a high quality yearbook. Students enrolled will perform tasks of reporting, copy writing, and word processing, graphic design, photography and desktop publishing. Selection into this course will be based on submittal of application form. You will learn skills basic to the assembly of a publication: data gathering, layout, design, accurate writing, teamwork and above all the meaning of the words commitment and deadlines.

Note: This class is not UC/CSU certified.

## MUSIC

### ROP AP MUSIC THEORY

*U. C. Certified 'F' Requirement and C.S.U. Certified (11-12) - Year*

*10th graders may take this course if they are 16 by the first day of class.*

This class is designed to prepare students to take Advanced Placement Music Exam in the Spring. Topics include scales, modes, intervals, chords, non harmonic tones, cadences, phrase structure, voice leading, four part writing, figured bass, melodic and harmonic dictation and sight singing. Members of this class will learn to analyze music and an original composition will be part of the class final.

### Vocal Music

#### MIXED CHORUS

(9-12) - Year

Lab Fee Donation: \$25

Do you want to learn how to sing? This choir is open to *all* students wishing to learn the fundamentals of good singing technique and basic musicianship. No previous singing experience is necessary. Members of this chorus will perform in concert at least twice each semester. Second semester participation may require instructor's approval.

Note: This class is not UC/CSU certified.

#### TREBLE CHOIR

*U. C. Certified 'F' Requirement and C.S.U. Certified (9-12) - Year*

*Required: Audition or consent of instructor.*

Lab Fee Donation: \$25

An intermediate level of choir open to those who sing alto, 2nd soprano, or soprano. Previous singing experience (preferably Mixed Chorus) is highly recommended. Emphasis is on voice development and music reading. Performance outfit required. The Treble Choir participates in several concerts and festivals each year.

## CONCERT CHOIR

*U. C. Certified 'F' Requirement and C.S.U. Certified*  
(9-12) - Year

*Required: Audition or consent of instructor.*

Lab Fee Donation: \$25

For the experienced singer. This group will perform a wide variety of music, from 16th century motets to pop tunes. A California tour is planned every other year. Emphasis is on solid vocal technique and musicianship. The group performs regularly in concerts and festival appearances. Performance outfit is required.

## CHAMBER SINGERS

*U. C. Certified 'F' Requirement and C.S.U. Certified*  
(9-12) - Year

*Required: Audition or consent of instructor.*

Lab Fee Donation: \$25

Chamber Singers offers an opportunity for the advanced vocal student to perform 4-8 part music of all periods, including jazz. This group performs extensively throughout the year. A tour is planned and fund raising activities are undertaken to support this. A performance outfit is required: men - tuxedo, women - formal gown. It is highly recommended that Chamber Singers students be concurrently enrolled in Concert Choir.

# INSTRUMENTAL MUSIC

## ORCHESTRA

*U. C. Certified 'F' Requirement and C.S.U. Certified*  
(9-12) - Year

Students must have prior experience on a string instrument. All string players are welcome to join this specialty class. The focus of the class is on basic string and ensemble techniques as well as a variety of string and full orchestra music. Students have the possibility of performing at regional, state and national conferences.

## WIND ENSEMBLE

*U. C. Certified 'F' Requirement and C.S.U. Certified*  
(10-12) - Year

**This class is considered an advanced music course.** Students must audition to join this advanced instrumental ensemble. Incoming 9th graders may challenge by audition with the Director. In addition, students must have at least 2 years prior experience. The class will include the study of band literature, theory and music history as well as classical and contemporary wind band works in a variety of musical forms and styles. The students will participate in several performances and have the possibility of performing at regional, state and national conferences.

## SYMPHONIC BAND

*U. C. Certified 'F' Requirement and C.S.U. Certified*  
(9-12) - Year

Open to all 9-12 grade band musicians who play or are working on a secondary instrument. Although there is no audition required to join this band, students must have at least 1 year of prior experience on a wind or percussion instrument. Topics covered throughout the year include band literature, theory and the history of music. The band performs at several concerts throughout the year.

## JAZZ B

*U. C. Certified 'F' Requirement and C.S.U. Certified*  
(10-12) - Year

**This class is considered an intermediate jazz course.** Students must audition to join this Jazz Ensemble and must have prior experience with a jazz related instrument. Incoming 9th graders may challenge with the Director. In this class, the emphasis will be on basic jazz styles, listening to jazz, studying improvisational styles and learning to improvise. In addition to concert performances, the ensemble will participate in several jazz festivals.

## JAZZ A

*U. C. Certified 'F' Requirement and C.S.U. Certified (PENDING)*  
(10-12) - Year

**This class is considered an advanced jazz course.** The Jazz A class is for the more experienced musician and is open to students by audition only. Incoming 9th graders may challenge by audition with the Director. An emphasis will be placed on studying different musicians' improvisational styles, and all students will be required to improvise. Along with performing at

concerts, this advanced ensemble will attend several festivals and perform at regional, state and national conferences.

## MARCHING BAND

(9-12) - Fall semester only

All students are welcome. This is a semester course that receives credit. This band is a fun and exciting way for students to increase their music skills, represent their school at football games, rallies and competitions, and build camaraderie with their fellow student musicians. Marching Band meets after school for practices and is considered an extracurricular band. 10th, 11th, and 12th graders can receive P.E. credit for their participation. The Marching Band season begins in mid-August, with a training camp which is held daily at the school. Marching Band members learn marching techniques and an entire field show.

## COLOR GUARD

(9-12) - Fall semester only

Color Guard or "Tall Flags" as they are more commonly referred to is a companion to the Marching Band. The members of the Color Guard march and perform a flag routine that is coordinated to the Band's field show and participate in competitions with the Band. The Color Guard meets after school for practices and is considered an extracurricular activity. 10th, 11th, and 12th graders can receive P.E. credit for their participation. The season begins in mid-August, with a training camp which is held daily at the school. Color Guard members learn marching techniques and an entire routine.

# PHYSICAL EDUCATION \_\_\_\_\_

All 9th grade students will be enrolled in P.E. As a 10th grader a student may get independent study P.E. credit for participation in a sport at Monte Vista. They must complete an independent study contract available in the Counseling Office.

## P.E. 9

(9) - Year

A required class for 9th grade students. The curriculum is a basic introduction and orientation to high school physical education. Activities may include badminton, softball, volleyball, basketball and various other team sports. Daily running will be required along with Freshman Physical Education Standards. PE Dance, Dance 1 and Frosh Weights may fulfill this requirement.

## P.E. DANCE

(9) - Year

This is for freshman only. The curriculum consists of group and individual choreography, technique classes, and physical fitness. Daily running will be required along with the Freshman Physical Fitness Testing. Additional activities will be included to follow California State Physical Education Standards. No audition is required; therefore, there will be no involvement in the MVHS dance shows.

## DANCE 1

(9) - *Required: Audition and teacher approval*

This class is for freshmen by a audition only. The curriculum consists of group and individual choreography, technique classes, performing, and Freshmen Physical Fitness Testing. . Daily running will be required along with the Freshman Physical Fitness Testing. Additional activities will be included to follow California State Physical Education Standards. The audition for the class is in March of the students' eighth grade year. All students will be asked to perform a 2-minute dance of original choreography during the first week of school. The students in this class will perform in the November dance show, Freshman Folk Dance Show in December, Freshman Dance Show in March, and the May dance show.

## FROSH WEIGHTS

(9) - Year

This is a freshmen PE class designed for football players. This class has a heavy emphasis on weightlifting and strenuous running. Additional activities are offered in addition to conditioning to follow the California State Physical Education Standards. Due to the large size of this class other freshmen athletes may not take this class.

## YOGA FITNESS

(10-12) - Semester/Year

Presents selected exercises from yoga techniques which allow the student to increase his/her efficiency and quality of living through improved breathing patterns, habits of relaxation, and posture. These techniques contribute to the development of strength, flexibility, balance, and coordination. The program will also include power walking and circuit training which includes strength and abs, leg, and aerobic workouts.

## BADMINTON

(10-12) - Semester/Year

This course is open to all students other than 9<sup>th</sup> graders. Students will have an opportunity to improve their badminton skills and knowledge in this class. Due to student interest and large class size, students will play each other in doubles competition. Students should be in good enough physical condition to play non-stop for an entire class period.

## BASKETBALL

(10-12) - Semester/Year

This course is open to all students other than 9<sup>th</sup> graders. This class will include individual ball-handling drills, defensive drills, offensive drills, and shooting drills. There will also be 1 on 1, 2 on 2, 3 on 3 tournaments and 5 on 5 games.

## WOMEN'S BASKETBALL (New)

(10-12) - Semester/Year

This course is open to all students other than 9<sup>th</sup> grade students. The student will receive physical education or elective credit for taking this class. The class is aimed toward women who want to learn more about basketball by participating in individual ball-handling drills, defensive drills, offensive drills, and shooting drills. There will also be 1 on 1, 2 on 2, 3 on 3 tournaments and 5 on 5 games.

## WATERPOLO (New)

(10-12) - Semester/Year

This course is open to all students other than 9<sup>th</sup> grade students. The student will receive physical education or elective credit for taking this class. The student will learn how to play the sport of water polo by participating in individual ball-handling drills, defensive drills, offensive drills, shooting drills, and playing in games during class. Each student is required to swim at an intermediate level, bring a swimsuit and towel.

## BASEBALL

(10-12) - Year

This class is open to any competitive baseball player (high school, summer league, etc...). Students should expect to benefit from a highly structured discipline program of specific drills to improve skill of hitting, catching, and throwing baseballs. The class includes conditioning specific to preparing students to compete at a higher level of competition. This is not a casual recreational class. It is designed for serious baseball players.

## DANCE 2 - 5

(Dance 3-5) U. C. Certified 'F' Requirement and C.S.U. Certified

(10-12) - Year

*Required: Audition and teacher approval.*

Dance is an elective class offered to students from grades 10-12. Students interested in Dance will be ability grouped by auditioning. Auditions will be held at the end of May. Students will be taught a routine appropriate for their particular level: Intermediate, Intermediate II, Advanced Intermediate, and Advanced. Dance is a year course. Students may elect to receive P.E. or Fine Arts credits. The course content consists of solo studies, group studies, technique classes and learning dance combinations. There will be two performances in November and May.

## CONDITIONING

(10-12) - Semester or Year

This class consists of daily aerobic conditioning and body sculpting exercises aimed to enhance each student's health, tone, body weight, flexibility and strength. Activities include power walking, aerobics, free-weight lifting, step, Yoga, Pilates, and various strengthening exercises. Students will gain general knowledge of leading a physically fit, healthy lifestyle.

## KICKBOXING/SELF DEFENSE

(10/12) - Semester/Year

This is an elective semester course designed to provide an introduction to basic Muay Thai kickboxing techniques, and to help students develop fitness, discipline, and self-confidence through the sport. Students will also be exposed to the cultural element of kickboxing within the Thai culture, the general philosophy of martial arts and basic principles of self-defense. The goals of the course are as follows: (1) improve strength and cardiovascular fitness, (2) learn basic Muay Thai kickboxing technique, and (3) improve confidence, focus, and self-discipline.

## POWER WALKING (New)

(10-12) Semester/Year

This course is open to all students except 9<sup>th</sup> grade students. The student will receive physical education or elective credit for taking this class. Students will receive many benefits from power walking. Some of them include an increased cardiovascular endurance, leaner, stronger, healthier bodies. The technique provides a simple yet effective way of giving your whole body a thorough workout. Students may also discover that power walking opens new experiences that encourage mental well-being and physical strength. Each student is required to bring aerobic shoes, a water bottle and a towel.

## P.E. (10-12)-WEIGHTS

(10-12) - Semester or Year

This class is designed for students who wish to improve their strength and physical condition through a weight lifting and running program. Students are required to complete a minimum of 15 sets of required exercises 4 days a week and complete a distance run on one day of each week.

## FOOTBALL CONDITIONING WEIGHTS JV/V

(10-12) - Semester/Year

This is an advanced conditioning program designed to meet the needs of the Varsity and JV football players.

## INDEPENDENT STUDY P.E.

(10-12) - By Arrangement w/ Administration

*Required: Administration & Teacher approval. Ability to work on own initiative with minimum supervision.*

This course is a contractual course between a student and an individual teacher. It may be a course in the existing curriculum or other course. Independent Study contract forms are available in the Counseling Office. Independent Physical Education is for students in grade 10-12 who participate on a Monte Vista athletic team or is a pre-Olympic, pre-professional athlete. (Sophomore, Junior or Senior only.) The Study Contract must be signed by a coach and approved by the vice-principal in charge. P.E. credit is awarded at the rate of one credit for each 15 hours of physical activity to a maximum of five credits per semester.

# OTHER \_\_\_\_\_

## HEALTH

(9) - Semester

This course is required for graduation. There are five areas of study in this course: (1) Awareness of oneself as a unique individual. (2) Necessary steps in developing a positive self concept. (3) Understanding the structure and function of the human body with an emphasis on the reproduction/endocrine system. (4) Study of the various diseases and disorders that affect the male and female reproductive systems; pregnancy, birth and growth; and development of the individual. (5) Provide information and practice in decision making skills.

## LEADERSHIP GOVERNMENT

(9-12) - Year

*Required: ASB or Class Officer or application, interview and selection. (Freshmen elections and interviews will be conducted in the beginning weeks of school.)*

All Associated Student Body and Class Officers are required to enroll in this leadership class. Other class members will be selected this spring through an application and interview process. Students in the class are responsible for planning major student activities (i.e. freshman orientation, homecoming, rallies, dances, campus clean-up), for raising funds to support these activities, and for conducting official student body business. Through hands-on activities, members of the class develop effective skills in group facilitation, publicity and marketing, fund-raising, project planning, decision making, conflict resolution, and parliamentary procedure.

## TEACHER AIDE

Semester or Year

*Recommended: Interest and Supervisor approval.*

Aides are used in all the above areas to help in organization and preparation of materials, small group work, clerical duties, etc. as outlined in each work station. Students will learn to assume responsibility for specific tasks in a businesslike atmosphere. **A maximum of 20 credits** may be earned toward graduation.

## WORK EXPERIENCE

(11-12 preference to seniors) - Semester

The Work Experience Education program is established by the State of California. Monte Vista's Work Experience Education program will follow and meet the established standards and requirements set by the State of California, as listed below:

- ◆ Students must have a job and be working a minimum of 10 hours per week with a reputable firm in order to qualify for this class. Students must be covered by Workman's Compensation insurance and paid at least minimum wage.
- ◆ Students must have on file a work experience application/training agreement with required signatures, regardless of age. All conditions of employment must comply with provisions of state and federal labor, welfare and education codes.
- ◆ Attendance at weekly meetings is mandatory.
- ◆ One credit will be earned for every 36 verified (time sheets) hours of work plus class attendance plus completion of assignments. Variable credits may be earned up to 10 units per semester.

## STUDY HALL

(9-12) - Semester or Year

A quiet, no credit, supervised study period for students who do not have a regular class during one period of the day. Study Hall is offered periods 0 through 5. If a student is on campus and does not have a class he/she **must** be in Study Hall.

## OFF CAMPUS COLLEGE COURSE

(11-12) - Semester

Students who are enrolled in an off-campus course at a community college, may count it as one of their classes. We cannot guarantee that they would have a period 1-5 schedule. Student must provide verification of enrollment at beginning of each semester. Student can only have one college course in their schedule each semester. (See additional information on page 3).

# ROP \_\_\_\_\_

## WHAT IS ROP?

The Regional Occupation Program, ROP, administered cooperatively by the San Ramon Valley Unified School District and the Contra Costa County Office of Education, provides school-to-career preparation classes for juniors and seniors. Classes are designed to help students learn about career choices, develop job skills, and gain skills useful in college. Most classes can be taken for one or two periods, and some include internships. Students earn elective credits, and some classes offer transferable college credits. Certificates of Proficiency are awarded upon successful completion of performance objectives. Students are also eligible to take ROP classes located off-campus. Students must be 16 the first day of school or in 11th or 12th grade.

## WHY IS ROP DIFFERENT?

The emphasis of ROP courses is on career development. Students can use skills acquired in class to prepare for a career after high school, gain experience towards future college majors, and receive skills that lead to jobs before, during and after college. Instruction is individualized, and training is 'hands-on' using state-of-the-art equipment. All classes incorporate employment readiness training, which is an integral part of career planning.

## HOW TO REGISTER:

To register for classes on your campus, see your counselor, and write it on your schedule. To register for off-campus classes see your counselor **and** call the ROP office at **942-3436**. Complete course schedules are located in the counseling office and career center.

## ROP CLASSES AT MVHS

Architectural Design	Biotechnology
Adv. Architectural Design	Exploratory Applied 3D Design
Art of Video Production	Journalism
Adv Photography	AP Environmental Science
Intro to Business Economics	Law
Developmental Psych of Children	AP Music Theory
Forensic Science	Robotics
Culinary Arts 2	Sports Medicine
Adv Sports Medicine	

## ROP CLASSES OFF-CAMPUS

### Art & Communications

Art & Animation  
Commercial Art  
Digital Recording Studio  
Journalism/Newspaper  
Production/Publications  
Multimedia  
Music Theory/Technology  
Photography  
Radio Broadcasting  
Art of Video/TV/Video  
Production  
Web Design/Digital Arts Design  
For Web

### Business Services

Accounting (Computerized)  
Business & Computer Skills  
Business Economics  
Computer Applications  
Computer Graphics  
Computer Programming  
Desktop Publishing  
Fashion Design  
Marketing  
Medical Front Office  
Microsoft Office Certification  
Virtual Enterprise  
Web Programming

### Science & Biotechnology

BIOLOGICAL SCIENCES LAB RESEARCH

### Heath & Human Services

Careers with Children  
Careers in Teaching  
Certified Nursing Assistant/  
Acute Care  
Community Service Prof.  
Cosmetology/Manicuring/  
EMT  
Esthetician  
Fire Science  
Hospital Health Careers Core  
Hospital Health Careers  
Introduction to Law  
Law Enforcement Careers  
Sports Medicine

### Hospitality

Culinary/Catering Careers/  
Patisserie  
Hotel Careers

### Industrial/Engineering Tech.

Architectural Design/CAD  
Automotive Body Repair  
Automotive Technician  
Automotive Technology  
Cabinetmaking  
Cisco Networking

Computer Systems Maint.  
Construction Technology  
Electrical Engineering/  
Electronics

### MANUFACTURING

Refinery/Process Plant Op.  
Robotics Engineering Tech

## Community College

Admission requires high school graduation or being 18 with the ability to profit from community college instruction. At the community college students can complete the first two years of college and transfer as juniors to universities and colleges in California and elsewhere providing they have successfully completed the appropriate course work. Students can also receive vocational and business training which will enable them to enter an occupation.

## Private Colleges & Universities

Admission requirements vary greatly with each school ranging from the very demanding to the less stringent admission standards. Private schools often take into consideration factors other than the grade point average and test scores. Such factors as special talents and aptitudes, religious affiliation, and high school activities may play a part in the admissions policies at some schools.

## Admission To California State Universities

There are 23 campuses of the California State Universities. The California State Universities are located in Bakersfield, Channel Islands, Dominguez Hills, San Bernardino, Sonoma, Stanislaus, Chico, Fresno, Fullerton, Hayward, Humboldt, Long Beach, Los Angeles, Northridge, Pomona, Sacramento, San Diego, San Francisco, San Jose, San Luis Obispo, San Marcos, Monterey Bay, and the California Maritime Academy.

Admission is based on the student's state college grade point average and his/her score on the American College Test (ACT) or Scholastic Aptitude Test (SAT). The state college GPA is based on work completed in the 10th and 11th grades excluding physical education and military science.

Test dates are available in the Career Center. Information is also available on SAT preparation classes, PTA-SAT workshops, and study guides. Registration for tests is completed on-line.

The California State Universities also require an English Placement and a Math Placement test. (Scores from Star Exam may also be used to meet this requirement.) After application is submitted, you will be notified as to time and place of tests.

To be eligible for admission, students with a given grade point average must present the corresponding ACT composite or SAT total score. In general, the lower the GPA the higher the test score required and conversely, the higher the GPA the lower the test scores required. Students with a 3.00 or higher GPA are eligible with any score on the entrance examination. California will continue to select applicants from the top one-third of California's High School graduates based on the eligibility index. Following are the subject requirements for entrance. **A grade of C or better must be earned in these classes.**

4 years of English  
 3 years of mathematics (algebra 1, geometry, algebra II)  
 2 years of history (must include US history/government)  
 2 years of lab science (1 year physical science/ 1 year life science)  
 2 years of world language (2 years in the same language, subject to waiver for applicants who demonstrate equivalent competence.)  
 1 year of visual and performing arts  
 1 year of electives (courses selected from English, advanced mathematics, social studies, history, laboratory science, agriculture, world language, and the visual and performing arts.)

Questions/Applications at [www.csumentor.edu](http://www.csumentor.edu)

## Admission to the University of California System

The University of California campuses are located in Berkeley, Davis, Merced, Santa Cruz, Los Angeles, Santa Barbara, Irvine, Riverside, and San Diego. The University of California in San Francisco is primarily a graduate program in the health professions.

To be eligible for admission to the University of California as a freshman, you must meet the Subject Scholarship and Examination Requirements described below.

If you have any questions or need assistance in determining your eligibility, please contact your school counselor or the Office of Relations with Schools or Admissions on the nearest UC campus. Final determination is made by the Campus Admissions Office.

Questions at [www.universityofcalifornia.edu](http://www.universityofcalifornia.edu)

## Subject Requirement

To satisfy this requirements, students must have successfully completed a specific sequence of high school courses in the subjects listed at right.

These required high school courses are often called the "a-g subjects." To be accepted by the University, they must appear on a list certified by the high school principal as "Courses to Meet Requirements for Admission to the University of California".

The grades earned in the "a-g" subjects taken in the 10th and 11th grades are the only grades the University will use to calculate the grade point average for admission.

A student is required to complete 15 a-g subjects as described above. At least seven of the required units must be taken in the last two years of high school.

## Examination Requirement

All freshman applicants must submit test scores, as described below.

- One aptitude test, either (a) or (b):
  - SAT Reasoning Test
  - American College Test (ACT)/ with writing  
The composite score will be reported.
- Two SAT Subject Tests chosen from **2 different** subject areas.

## Admission by Examination Alone

If you do not meet the scholarship and subject requirements for admission and have completed less than 12 transferable college units since graduation, you can qualify for admission as a freshman by examination alone. (Note: if you have completed transferable college courses, CEEB tests cannot be taken in academic subjects covered in those courses.) Check website for current information on qualifying by examination alone.

Students can apply on-line at: [www.ucop.edu/pathways](http://www.ucop.edu/pathways)

a-g Subject Requirements
A. U.S. History/Government/History (Two years required)
B. English Composition, literature, etc. (Four years required)
C. Mathematics Algebra I, Geometry, and Algebra II (Three years required, four recommended)
D. Laboratory Science (1 year life/1 year physical) 2 years required, 3 recommended Science must be selected from two of the following areas: Biology, Chemistry, and Physics
E. World Language Spanish, French, etc (2 years of the same language required; 3 recommended)
F. Visual and Performing Arts 1 year, courses may be selected from Art, Drama, Dance or Music
G. College Preparatory Electives History, English, advanced mathematics, laboratory science, World language, social studies, and fine arts (2 years required)

<b>DIVISION 1</b> 2008 and after
<b>16 CORE-COURSE RULE</b> <b>16 Core Courses:</b> 4 years of English 3 years of mathematics (Algebra 1 or higher) 2 years of life/physical science (1 year of lab if offered by high school) 1 year of additional English, Mathematics of natural/physical Science 2 years of Social Science 4 years of additional courses (from any area above or World Language, nondoctrinal religion/philosophy, computer science*).

<b>DIVISION II</b> 2005 and after
<b>14 Core Courses:</b> 3 years of English 2 years of mathematics (Algebra I or higher) 2 years of natural/physical science (1 year of lab if offered by high school) 2 year of additional English, Mathematics or natural/physical Science 2 years of Social Science 3 years of additional courses (from any area above or Foreign Language, nondoctrinal religion/ philosophy, computer science*).

Grades earned in required academic courses taken in the 9th grade or earlier will not be used in calculating the grade-point average for admission, however, **students must earn a grade of "C" or better in all courses.**

## NCAA DIVISION I FRESHMAN –ELIGIBILITY STANDARDS

### All students must register with the NCAA Initial-Eligibility Clearinghouse

- **Students must register at end of junior year and submit a final transcript upon graduation.**
- **Go to [www.ncaa.org](http://www.ncaa.org) to obtain guidelines**
- **Go to [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net) to obtain forms and to register on-line**

**CHANGES** in the Division I initial-eligibility index, or sliding scale. Check the website for the scale.

The 16 core course rule **INCREASES** the number of core courses from 14 to **16**. Students must complete **three** years of Mathematics (Algebra I or higher), and **four** years of additional core courses. The additional core course may be taken in any area: English, Mathematics, Natural/Physical Science, Social Science, World Language (Foreign Language) or Non-doctrinal Religion/ Philosophy. The breakdown of the requirements is listed below.

## OTHER IMPORTANT INFORMATION

Effective date of new rule:

Students first entering a collegiate institution on or after August 1, 2005, must meet the new 16 core course rule. For more information regarding the new rule, please go to [www.ncaa.org](http://www.ncaa.org). Click on "Custom Home Pages" and pull the menu down to "Prospect/Parent" page.

**IF YOU HAVE QUESTIONS ABOUT NCAA ELIGIBILITY, PLEASE CALL THE NCAA INITIAL ELIGIBILITY CLEARINGHOUSE AT 319/337-1492 OR TOLL-FREE AT 877/262-1492. YOU MAY ALSO CALL THE NCAA AT 317/917-6222.**



## FOUR—YEAR PROGRAM

	9th	10th	11th	12th	Credits needed for Graduation
<b>English</b>					40
<b>Mathematics</b> (including Algebra)					20
<b>Social Studies</b>					35
<b>Science</b>					20
<b>World Language</b> <b>Vis/Perf Arts</b> <b>Voc/Ap Arts</b>					20 (10 credits in 2 subjects)
<b>Health</b>					5
<b>P.E.</b>					20
<b>Electives</b>					80
<b>Yearly Totals</b>					240 Total
	(60 minimum)	(60 minimum)	(60 minimum)	(60 minimum)	

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## Monte Vista Master List of Courses—2008/2009

### English

English 9  
English 10  
English 11  
English 12  
Shakespeare (With British Literature)  
Literature w/ an Emphasis on Music & Movement  
Expository Reading & Writing (New)  
Expository Writing  
Literary Analysis Through Film  
English Language AP  
English Literature AP  
Expository Reading and Writing (New)  
Women's Literature  
Film As Literature  
Novel  
SDAIE (Special Designed Academic Instruction in English)  
ELD (English Language Development)  
Speech & Debate  
Advanced Speech & Debate (Speech)  
Advanced Speech & Debate (Lincoln-Douglas)  
ROP Journalism

### Social Studies

World Geo: Studying People/Place  
World History 2/3  
European History AP  
U.S. History 1 & 2  
U.S. History AP  
Human Geography AP (New)  
American Government  
American Government AP  
American Government NCP  
Economics  
Economics NCP  
Economics AP  
Psychology  
Sociology  
ROP Law

### Math

Pre-Algebra  
High School Math  
Algebra Standards  
Transitions to Algebra  
Algebra 1  
Geometry  
Algebra 2  
Pre-calculus with Trigonometry  
Honors Pre-calculus with Trigonometry  
Calculus  
Calculus AB AP  
Calculus BC AP  
Statistics  
Statistics AP  
Personal Finance with Bus. Applications

### Science

Integrated Physical Science  
Biology  
Accelerated Biology

Biology AP  
Life Science  
ROP Biotechnology (New)  
Anatomy and Physiology  
Anatomy & Physiology Honors  
Geology  
Chemistry  
Chemistry Honors  
Chemistry AP  
Physics  
Physics Honors  
ROP Environmental Science AP  
ROP Forensic Science

### World Language

American Sign Language 1  
American Sign Language 2  
American Sign Language 3  
French 1  
French 2  
French 3  
French 4 Honors  
French 5 AP Language  
French 5 AP Literature  
German 1  
German 2  
German 3  
German 4 Honors  
German 5 AP  
Spanish 1  
Spanish 2  
Spanish 3  
Spanish 4 Honors  
Spanish 5 AP Language  
Spanish 5 AP Literature  
Japanese 1  
Japanese 2  
Japanese 3  
Japanese 4 Honors  
Japanese 5 AP

### Vocational/Applied Arts

#### & Technology

Culinary Arts 1  
ROP Culinary Arts 2  
ROP Developmental Psych. Of Children  
TV Production  
ROP Sports Medicine  
ROP Advanced Sports Medicine  
Intro to Business Economics  
Career Explorations (New)  
Careers in Teaching

### Computer Science

Computer 1  
Computer 2  
Internet /HTML/UNIX  
VS.NET C++, C#J#, VB  
AP 'A' JAVA  
AP 'AB' JAVA  
Server Admin/Software Support/Web Administration  
System Admin/Networking/Web Development  
Computer System Maintenance

ROP Robotics  
Building Basic Robots

### Visual and Performing

#### Arts

Art1 (Introduction to Art)  
Art 2 (Drawing and Painting)  
ROP Exploratory Applied 3D Design  
Advanced Art 5  
Studio Art AP  
ROP Art of Video Production  
ROP Architectural Design  
ROP Adv Architectural Design  
Dance-Fine Arts  
Theatre Arts 1, Beginning  
Theatre Arts 2, Intermediate  
Theater Arts 3, Stagecraft  
Advanced Play Production  
Photo 1 (Introduction to Photography)  
ROP Advanced Photography  
ROP Graphic Design (New)  
Publication Production  
ROP Music Theory AP  
Mixed Chorus  
Treble Choir  
Concert Choir  
Chamber Singers  
Orchestra  
Wind Ensemble  
Symphonic Band  
Jazz A  
Jazz B  
Drill Team (After School)  
Marching Band (After School)  
Color Guard (After School)

### Physical Education

P.E. 9  
Yoga  
Badminton  
Basketball  
Women's Basketball (New)  
Water Polo (New)  
Baseball  
Dance 1  
Dance 2-5  
Conditioning  
Kickboxing  
Power Walking (New)  
Weights  
Frosh Weights  
Football Conditioning Weights JV/V

### Other

Health  
Study Hall  
Independent Study  
Leadership Government  
Teacher Aide