



# Course Offerings

## SUBJECT AND COURSE REQUIREMENTS

**Minimum Semester Credits Required for Graduation – 44, Total Semester Credits Possible – 48 (without summer school)**

**English Language Arts** – 8 semester credits

Grade 9 English – 2 credits

Grade 10 English – 2 credits

Grade 11 English – 2 credits (emphasis on American Literature)

Grade 12 English – 2 credits (selected from a list of English courses)

\*English Language Development (ELD) may be used to fulfill the 8 semesters of required English courses.

**World Language, Fine, and Practical Arts** - 3 Semester credits

**Option A:**

2 consecutive semesters of one world language and 1 semester of fine or practical arts

**Option B:**

**2 semesters of fine arts and 1 semester of practical arts**

*Fine Arts*-The district's fine arts program includes art, music, drama/theatre arts.

*Practical Arts*-The district's practical arts program includes courses in College and Career Technical Education, Regional Occupation Program, journalism, and yearbook.

**Mathematics** - 6 semester credits

Algebra – 2 credits

Geometry – 2 credits

Higher Level, 3rd year math – 2 credits

**Science** – 6 semester credits

Life Science (Biology) – 2 credits

Physical Science (Physics / Chemistry) - 2 credits

Any additional science course - 2 credits

**Physical Education**- 4 semester credits. Students must be enrolled in physical education, JROTC, and/or PE Marching Band in grades 9 and any second year. 9<sup>th</sup> grade students must pass the Fitnessgram state exam or retake Physical Education the following year

**Social Studies** – 6 semester credits

Grade 9 or 10 – World History, Geography, and Economics (or advanced alternative) – 2 credits

Grade 11 – U.S. History (or advanced alternative) – 2 credits

Grade 12 – Government and Economics (or advanced alternative) – 2 credits

**COMPUTER LITERACY COMPETENCY**

(Beginning grade 7): to be met by a computer education course or another approved course that incorporates computer education and computer applications or by testing out.

**VALEDICTORIAN**

The Valedictorian will be the one student with the highest overall weighted GPA (grades 10 - 12).

# 2013-2014 Course Offerings

## Mira Mesa High School Course List for UC/CSU Requirements

- A. HISTORY** (UC – 2 years, CSU – 1 year)  
**AP Human Geography 1, 2**  
World History 1, 2  
Adv. World History 1, 2  
**AP World History 1, 2**  
US History 1, 2  
**Honors US History 1, 2**  
**AP US History 1, 2**  
**AP European History / Am. Gov. 1, 2**  
Am. Government / Economics 1, 2  
**AP Government 1, 2**
- B. ENGLISH** (4 years required)  
English 1, 2 (Regular, Cluster, or Seminar)  
English 1, 2 ELD  
English 3, 4 (Regular, Advanced, Cluster, or Seminar)  
English 3, 4 ELD  
ESL 1, 2, 3, 4, 5, 6  
American Literature 1, 2  
**Honors American Literature (Cluster or Seminar) 1, 2**  
Writer's Workshop 1, 2  
English Literature 1, 2  
Contemporary Voices 1, 2  
**AP English Language and Composition 1, 2**  
**AP English Literature and Composition 1, 2**
- C. MATHEMATICS** (3 years required/4recommended)  
Algebra Explorations 1, 2  
Algebra 1, 2  
Geometry 1, 2  
Adv. Geometry 1, 2  
Int. Algebra 1, 2  
Adv. Intermediate Algebra 1, 2  
Functions Analysis 1, 2  
Pre-Calculus 1, 2  
**Honors Pre-Calculus 1, 2**  
Statistics 1, 2  
Topics in Discrete Math 1, 2  
**AP Calculus AB 1, 2**  
**AP Calculus BC 1, 2**
- D. LABORATORY SCIENCE** (UC – 2 yrs. CSU–1 yr/3yr recommended)  
Physics 1, 2  
Adv. Physics 1, 2  
Chemistry 1, 2  
**Honors Chemistry 1, 2**  
Biology 1, 2  
Adv. Biology Cluster 1, 2  
Physiology 1, 2  
**AP Biology 1, 2**  
**AP Chemistry 1, 2**  
**AP Physics B 1, 2**  
**AP Environmental Science 1, 2**  
ROP Biotechnology 1, 2
- E. WORLD LANGUAGE** (2 years required, 3 recommended)  
Spanish 1, 2, 3, 4 5, 6, 7, 8  
**AP Spanish Language 1, 2**  
**AP Spanish Literature 1, 2**  
French 1, 2, 3, 4, 5, 6  
**AP French Language**  
**AP French Literature**  
Filipino 1, 2, 3, 4 5, 6
- F. VISUAL AND PERFORMING ARTS**  
Art 1, 2  
Ceramics 1, 2, 3, 4  
Drawing and Painting 1, 2  
**AP Art Studio: Drawing Portfolio 1, 2**  
**AP Art Studio: 2-D Design 1, 2**  
Marching Band 1, 2  
Intermediate Band 1, 2  
Choir 1, 2 3, 4  
Choral Ensemble (Madrigals) 1, 2  
Orchestra 1, 2 3, 4  
**AP Music Theory 1, 2**  
Computerized Graphic Design 1, 2  
Video Production 1, 2  
Multimedia Production 1, 2  
Theatre 1, 2, 3, 4, 5, 6 7, 8  
Technical Theatre/Arts Mgmt 1, 2, 3, 4  
Musical Theatre Workshop 1, 2  
Musical Theatre Workshop 3, 4  
Music Appreciation 1, 2
- G. ELECTIVES**  
Broadcast Journalism 1, 2  
Earth Science 1, 2  
Adv. Earth Science 1, 2  
Engineering Design and Development 1, 2  
Public Speaking 5, 6  
**AP Psychology 1, 2**

In addition, college prep electives can be chosen from the following:  
Visual and performing arts, history and social science, english,  
advanced math, laboratory science, and world language.

**Note: Courses in bold receive weighted GPA credit.**

# 2013-2014 Course Offerings

## GENERAL REQUIREMENTS

In addition to the subject and course requirements described in the course offerings, the basic requirements outlined below must be met in order to receive a high school diploma:

### GRADE POINT AVERAGE

A 2.0 GPA or higher is required for a diploma. Grade point average is computed on the basis of A = 4, B = 3, C = 2, D = 1 and F = 0. Only Advanced Placement (AP) and Honors courses will be given a weighted GPA for high school graduation. (i.e. A = 5 points). A grade point average of 2.0 or higher is required for participation in co-curricular activities, including interscholastic athletics and the graduation ceremony.

### CALIFORNIA HIGH SCHOOL EXIT EXAM

Students must pass both the English language arts and the mathematics portions of the California High School Exit Examination (CAHSEE) in order to receive a high school diploma in the state of California. Students who otherwise complete the graduation requirements but do not pass the CAHSEE may receive a certificate of course completion instead of a diploma.

### CONDUCT

A record of responsible citizenship must be maintained. In order to participate in graduation ceremonies, students must meet a minimum standard of a 2.0 average in citizenship during their senior year. Seniors will be denied participation in graduation exercises and other senior activities for zero-tolerance violations or activities resulting in a five-day suspension.

### ATTENDANCE

All students must attend eight semesters in grades 9 to 12 for six periods daily.

### CREDITS

Students must earn at least 44 credits semester credits in grades 9 to 12 (including a maximum of eight credits in physical education of AFROTC). Students must complete at least 44 credits to participate in graduation ceremonies.

## DIPLOMA WITH ACADEMIC DISTINCTION

The Board of Education of San Diego Unified School District awards high school diplomas inscribed “With Academic Distinction” to students whose achievements have been outstanding. Requirements for this diploma should be studied and careful planning to meet them should begin while the student is in junior high school.

Only those students who have attended a district high school for their entire senior year are eligible for this diploma. Students, who have attended high schools in other districts, for all or part of grades 10 and 11, may qualify for this recognition if their academic performance in San Diego City Schools merits consideration. The high school principal is responsible for evaluating courses taken in out-of-district schools.

### Two options are open to students who wish to graduate “With Academic Distinction.”

**Option 1** - The student must receive a weighted grade point average of 3.5 (B+) or higher for all courses taken in grades 10, 11, and the first semester of grade 12. (Students who raise their grade point average to 3.5 by the second semester 12-week progress report of their senior year may also receive the diploma).

**Option 2** - The student must meet the following three requirements:

- A. Grades 9-12: Complete a minimum of two years of credit in both science and a foreign language. These requirements may be met prior to grade 9 if the courses are judged to be equivalent to those offered in grades 9-12.
- B. Grades 10-12: Complete 14 semester credits with grades of “A” or “B” from among the following list of courses. These courses must be taken in grades 10, 11, and 12.
- C. Grade 12: Four of the required 14 semester credits must be earned senior year

#### Option 2 Required Curriculums (Grades 10-12)

#### English

- Adv. English 3, 4
- Honors American Literature 1, 2
- English Literature 1, 2
- AP English Language and Composition 1, 2
- AP English Literature 1, 2

#### Mathematics

- Adv. Geometry 1, 2
- Pre-Calculus 1, 2
- Honors Pre-Calculus 1, 2
- Mathematics 150,151
- Intermediate Algebra 1, 2
- Adv. Intermediate Algebra 1, 2
- Topics in Discrete Mathematics 1, 2

- AP Calculus 1, 2
- Statistics 1, 2

#### Science

- Advanced Biology 1, 2
- AP Biology 1, 2
- Chemistry 1, 2
- Honors Chemistry 1, 2
- AP Chemistry 1, 2
- AP Environmental Science 1, 2
- Physics 1, 2
- Advanced Physics 1, 2
- AP Physics 1, 2
- Physiology 1, 2

#### Social Studies

- Adv. World History 1, 2
- Honors U.S. History 1, 2
- AP European History 1, 2
- AP American Government 1, 2
- AP United States History 1, 2
- AP Psychology 1, 2

#### Fine Arts

- AP Music Theory 1, 2
- AP Art History 1, 2
- AP Art Studio 1, 2

#### World Language

- Spanish 5, 6
- Filipino 5, 6
- AP Spanish Language 1, 2
- AP Spanish Literature 1, 2
- French 5, 6
- AP French Language 1, 2
- AP French Literature 1, 2

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# 2013-2014 Course Offerings

## ENGLISH LANGUAGE ARTS

### **ENGLISH 1, 2 (9) 1540, 1541**

#### **Meets “A - G” requirement**

A survey of western literature, with a focus on different genres. Course content includes an introduction to novels, short stories, nonfiction, poetry, and drama. Emphasis is on the study of theme, plot, character, conflict, and stylistic devices. Activities concentrate on the fundamentals of written and oral language skills in conjunction with the study of literature.

### **ENGLISH 1, 2 CLUSTER (9) 1540C, 1541C**

#### **Meets “A - G” requirement**

**Prerequisite** Enrollment in 8th grade Cluster or Seminar English; earning a grade of "A" with teacher recommendation.

A strong interest in reading is important. Literature selections are read from the Greco-Roman era to modern day, including novels, short stories, nonfiction, poetry, and drama. Emphasis is on literary analysis and preparation for future AP classes. Formal writing instruction is connected to the literature. Vocabulary focuses on SAT preparation. Creativity and an ability to draw inferences are helpful. Students study qualitatively and quantitatively more difficult materials and demonstrate superior insight in analysis and writing.

### **ENGLISH 1, 2 SEMINAR (9) 1540S, 1540S**

#### **Meets “A - G” requirement**

**Prerequisite** Participation in the GATE program - Seminar identified. Student must apply for admission to the program.

Extensive reading and frequent formal and informal writing begins to prepare students for honors and advanced placement courses throughout high school. Literary study covers a variety of genres, including Greek and Roman mythology, the epic, novels, short stories, nonfiction, poetry, and drama.

### **ENGLISH 3, 4 (10) 1570, 1571**

#### **Meets “A - G” requirement**

Focuses on language, composition, and reading skills. Course emphasizes the study of different themes through multicultural literature. The short story, poetry, nonfiction, Shakespeare, and novels will be examined.

### **ADVANCED ENGLISH 3, 4 (10) 1572, 1573**

#### **Meets “A - G” requirement**

**Prerequisite** A grade of “A” in English 1, 2 or a grade of “C” in English 1, 2 Cluster or teacher recommendation. Course content is pursued in greater detail for language, composition, and reading skills, includes the short story, poetry, nonfiction, modern drama, world mythology, Shakespeare, and novels used in preparation for AP course work.

### **ADV. ENGLISH 3, 4 CLUSTER (10) 1572C, 1573C**

#### **Meets “A - G” requirement**

**Prerequisite** A grade of “B” or better in English 1, 2 Cluster and teacher recommendation.

Emphasizes creative thinking, formal writing, and an analysis of world literature from the Ancient Greeks to modern times, using novels, Shakespeare, poetry, drama, nonfiction, and short stories. Heavy emphasis on literary analysis. Prepares student for AP course work. Content and assignments will be quantitatively and qualitatively different from Adv. English 3, 4.

### **ADV. ENGLISH 3, 4 SEMINAR (10) 1572S, 1573S**

#### **Meets “A - G” requirement**

**Prerequisite** Participation in the GATE program and teacher and/or GATE coordinator recommendation.

A continuation of the humanities-based program with an emphasis on world literature (especially literary forms) and European history. Content and assignments will be quantitatively and qualitatively different from English 3, 4 Cluster. Prepares student for AP course work.

# 2013-2014 Course Offerings

## **AMERICAN LITERATURE 1, 2 (11) 1583, 1584**

### **Meets “A - G” requirement**

This course enables students to understand that American literature reflects social, political, and moral issues in the United States. Students develop proficiencies in vocabulary, reading, writing, speaking, and listening; in expressing their ideas about significant problems of American life; and in studying the communication techniques used by writers and national leaders in describing the American scene of both past and present. The course may examine the chronological development of American literature and thematic issues.

## **HONORS AMERICAN LITERATURE 1, 2 CLUSTER (11) 1589C, 1590C**

### **Meets “A - G” requirement**

**Prerequisites** Teacher recommendation and a grade of "B" or better in English Cluster 3, 4, or a grade of "A" in Advanced English 3, 4.

This course corresponds with American Literature 1, 2, but is designed for students who have a strong interest in reading and literary analysis. A thorough survey of American literature will be studied, including novels, drama, poetry, short stories, and essays. Emphasis on discussion, formal essay writing, SAT I and II preparation, vocabulary, oral presentation, and extensive reading will prepare students for Advanced Placement English courses and successful completion of the Advanced Placement exams.

## **AP ENGLISH LANGUAGE & COMPOSITION 1, 2 (11, 12) 1655, 1656**

### **Meets “A - G” requirement**

This course is conducted as a college class. This is a course in English language, providing a survey of the rhetorical modes used in nonfiction as well as fiction. This course focuses predominantly on American authors and has a strong emphasis in many different rhetorical modes of writing, such as: narrative, definition, description, compare and contrast, and argumentation. Additionally, students will be prepared for the Advanced Placement Exam via timed writing, sample tests, and instruction that is reflective of the challenging material found on the AP exam. Because this is a course in language and composition, there will be an emphasis on analyzing not only other authors' writing, but also analyzing students' own purpose and structure for writing. Students are expected to read, understand, and interpret past and present classical works of American literature, as well as improve their writing in response to the literature they read. During the year, students will read and respond to a number of novels, stories, lectures, editorials, and letters. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

## **CONTEMPORARY VOICES IN LITERATURE 1, 2 (12) 1612, 1613**

### **Meets “A - G” requirement**

In this course students explore issues presented by contemporary writers from diverse cultural and ethnic backgrounds. The readings include both fiction and nonfiction texts. Students write for various purposes and audiences, including workplace writing, analyzing arguments, response essays, persuasive essays, proposals, newspaper articles, etc. The standards-based units of study integrate all aspects of literacy: reading, writing, speaking, and listening. Students interpret and evaluate the media and graphic information. This course is aligned with the CSU Rhetoric and Writing course. Preparation for college entrance exams is emphasized.

## **ENGLISH LITERATURE 1, 2 (12) 1641, 1642**

### **Meets “A - G” requirement**

English Literature 1-2 is a course that acquaints students with various genres and themes of literature produced by Irish, English, and Scottish writers. The course will develop students' techniques in reading, writing, speaking, and presenting. Preparation for college entrance exams will be incorporated in the curriculum.

## **AP ENGLISH LITERATURE AND COMPOSITION 1, 2 (12) 1653, 1654**

### **Meets “A - G” requirement**

First semester is dedicated to the study of the short story, an anthology of short stories, poetry, and some informational articles will be emphasized. Some Internet research will be included. Second semester will consist entirely of AP exam practice until the date of the exam. Post test period will involve the study of nonfiction works. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

# 2013-2014 Course Offerings

## **WRITER'S WORKSHOP: (Introduction to Public Speaking) (9-12) 1745, 1746**

**Meets "A-G" requirement**

Prerequisite: none

Designed to improve writing and speaking skills for personal use and a variety of careers. Students will be introduced to creative, informal, and formal writing activities for the purpose of delivering speeches effectively. Students will research, write, and perform persuasive, informative, demonstration, and tribute speeches, as well as participate in mock trial cases, mini- debates, panel discussions, oral interpretation presentations, and improvisation. Students will also learn to write resumes, cover letters, and practice interview skills.

## **ADVANCED PUBLIC SPEAKING (11-12) 1419, 1420**

**Meets "A - G" requirement**

Prerequisite: Writers Workshop (Introduction to Public Speaking) and/or teacher recommendation.

An advanced continuation of Writers Workshop: Introduction to Public Speaking, directed toward students who have a serious interest involving careers involving writing, communication, and public speaking. (i.e.: careers in sales, business, counseling, television, news media, law, public relations, teaching, etc.).

## **EXPOSITORY READING AND WRITING COURSE (ERWC) (12)**

Designed to prepare senior students for college level English. For students who plan to attend a CSU school, a grade of "C" or better indicates to the university that the student is "college ready" and exempt from the EPT or remedial English classes. The course is an in-depth study of expository, analytical, and argumentative reading and writing. The class is also designed to deepen students' critical thinking skills, and increase students' mastery of academic language.

# 2013-2014 Course Offerings

## ENGLISH LANGUAGE DEVELOPMENT

Required for all students whose first language is not English and need improvement in their English skills.

### ESL 1, 2 LITERACY BLOCK (9) 1621, 1622

### ESL 1, 2 LITERACY BLOCK (10-12) 1631, 1632

LEVEL 1 - **Beginning**. This two-hour block emphasizes listening, speaking, and reading.

### ESL 3, 4 LITERACY BLOCK (9) 1623, 1624

### ESL 3, 4 LITERACY BLOCK (10-12) 1633, 1634

LEVEL 2 - **Intermediate**. This two-hour block develops reading and speaking skills. Beginning creative writing skills are taught.

### ESL 5, 6 LITERACY BLOCK (9) 1625, 1626

### ESL 5, 6 LITERACY BLOCK (10-12) 1635, 1636

Meets "A - G" requirement

LEVEL 3 - **Advanced**. This two-hour block develops reading, listening, and writing skills so students can make the change to a regular secondary English classroom.

### ELD ENGLISH 1, 2 (9) 1540L, 1541L

The ELD English 1, 2 is designed to help students who have not yet met the criteria for redesignation to develop high levels of academic proficiency in English. Survey of western literature with a focus on different genres. Course content includes an introduction to novels, short stories, nonfiction, poetry, and drama. Emphasis is on the study of theme, plot, character, conflict, and stylistic devices. Activities concentrate on the fundamentals of written and oral language skills in conjunction with the study of literature.

### ELD ENGLISH 3, 4 (10) 1570L, 1571L

The ELD English 3, 4 is designed to help students who have not yet met the criteria for redesignation to develop high levels of academic proficiency in English. Focuses on language, composition, and reading skills. Course emphasizes the study of different themes through multicultural literature. The short story, poetry, nonfiction, Shakespeare, and novels will be examined.

### ELD AMERICAN LITERATURE 1, 2 (11) 1583L, 1584L

Emphasis is advanced reading in American Literature 1, 2 and writing skills. This course meets the American Literature credit for ELD students.

### ELD CONTEMPORARY VOICES IN LITERATURE 1, 2 (12) 1612L, 1613L

Emphasis on adv. reading in world literature, writing, and oral skills. This course satisfies the English graduation requirement for ELD students.



# 2013-2014 Course Offerings

## MATHEMATICS

### **ALGEBRA EXPLORATIONS 1-2 (9) 4032, 4033**

#### **Meets “A - G” requirement**

This class is necessary for 9th grade students who have not successfully completed Algebra 1-2 with a grade of “B” or better. Algebra Explorations uses investigative and explorative activities to solve linear equations and inequalities; graph and interpret linear, quadratic, square root and absolute value functions; solve quadratic functions by factoring, completing the square or the quadratic formula; and simplify polynomial and rational expressions as defined by the California State Standards for Algebra 1.

### **ALGEBRA 1-2 (10 – 12) 4041, 4042**

#### **Meets “A - G” requirement**

**Prerequisite:** A grade of "D" or lower in Algebra Explorations or teacher/counselor recommendation.

This class is necessary for students who have not passed Algebra Explorations with a grade of “C” or better. Students will receive instruction to solve linear equations and inequalities; graph and interpret linear, quadratic, square root and absolute value functions; solve quadratic functions by factoring, completing the square or the quadratic formula; and simplify rational expressions as defined by the California State Standards for Algebra 1. Additionally, this class will meet graduation requirements for math and the UC/CSU “C” requirement for students who have not previously passed Algebra Explorations with a grade of “D.”

### **GEOMETRY 1-2 (9 - 12) 4141, 4142**

#### **Meets “A - G” requirement**

**Prerequisite:** Advanced Algebra 1-2, Algebra 1-2 *or* Algebra Explorations with a grade of "C" or better. This course incorporates a hands-on, discovery approach to learning geometric relationships of lines, angles, polygons and circles as defined by the California State Standards for Geometry. This course meets the second year math requirements for high school graduation as well as the UC/CSU “C” requirement for college prep.

### **ADVANCED GEOMETRY 1-2 (9) 4175, 4176**

#### **Interest - Meets “C” requirement**

**Prerequisite:** Advanced Algebra 1-2 with a grade of "B" or better, score of Advanced or Proficient on the CST exam for Algebra 1 *and* teacher recommendation.

This is a rigorous college prep course for superior 9th grade students to learn in depth geometric relationships of lines, angles, polygons and circles as defined by the California State Standards for Geometry. This course meets the second year math requirements for high school graduation as well as the UC/CSU “C” requirement for college prep.

### **INTERMEDIATE ALGEBRA 1-2 (10 – 12) 4151, 4152**

#### **Meets “A - G” requirement**

**Prerequisite:** Algebra 1-2 and Geometry 1-2 with a grade of "B" or better, or Unified Algebra and Geometry 1-2 with a grade of “C” or better and teacher recommendation.

This is a college prep course in which students will receive instruction of linear, quadratic, exponential, logarithmic, polynomial, and rational functions as well as systems of equations in two and three dimensions, conic sections, sequences, combinatorics and probability as defined by the California State Standards for Algebra 2. Students earning a grade of "C" or better meet the minimum math requirements for acceptance to a four-year college. This course meets the third year math requirements for high school graduation as well as the UC/CSU “C” requirement for college prep.

### **UNIFYING ALGEBRA AND GEOMETRY 1-2 (10 – 12) 4121, 4122**

#### **Meets graduation requirements / does not meet “A-G” requirements**

**Prerequisite:** Algebra 1-2 and Geometry 1-2 with a grade “D” or better or teacher recommendation.

This is a bridging course to Intermediate Algebra designed to strengthen algebraic and geometric skills as well as incorporate additional topics in probability and statistics. This course meets the third year math requirements for high school graduation.

# 2013-2014 Course Offerings

## **ADVANCED INTERMEDIATE ALGEBRA 1-2 (10) 4065, 4066**

### **Meets “A - G” requirement**

**Prerequisite:** Advanced Algebra 1, 2 and Advanced Geometry 1, 2 with a grade of “B” or better, score of Advanced or Proficient on the CST exam for Algebra 1 *and* teacher recommendation.

This is a rigorous college prep course to learn in depth algebraic concepts of linear, quadratic, exponential, logarithmic, polynomial, and rational functions as well as systems of equations in two and three dimensions, conic sections, sequences, combinatorics and probability as defined by the California State Standards for Algebra 2. This course meets the third year math requirements for high school graduation as well as the UC/CSU “C” requirement for college prep.

## **FUNCTIONAL ANALYSIS 1, 2 (11-12) 4183, 4184**

### **Meets “A - G” requirement**

**Prerequisite:** Intermediate Algebra with grade “C” or teacher recommendation

Function’s Analysis is a course bridging Intermediate Algebra and Pre Calculus. Students will explore linear, quadratic, exponential, logarithmic, polynomial rational functions and trigonometric functions; sequences and series, 2<sup>nd</sup> and 3<sup>rd</sup> dimensional systems; conics; and probability and statistics. Mathematical modeling (including the processes of data collection, representation, interpretation, predication, and simulation), technology, and active learning through collaborative, small-group investigations will be the focus of the course. Additional focus will be given to practice for SAT and ELM placement exams. Students who successfully complete this course will be prepared to continue their mathematical studies in high school Precalculus. This course meets the fourth year UC/CSU “C” math requirement for college prep.

## **PRECALCULUS 1, 2 (12) 4161, 4162**

### **Meets “A - G” requirement**

**Prerequisite:** Advanced Intermediate Algebra 1-2 with a grade of "C" or better or Intermediate Algebra 1-2 with a grade of "B" or better *and* teacher recommendation.

Precalculus is an advanced college preparatory course consisting of math analysis and trigonometry. The first semester will emphasize the study of functions and their transformations: linear, quadratic, rational, exponential, and logarithmic. Also covered, will be the study of systems, sequences and probability. The second semester will cover trigonometric functions followed by the study of matrices and determinants, and conics. This course meets the fourth year UC/CSU “C” math requirement for college prep.

## **HONORS PRECALCULUS 1, 2 (11-12) 4181, 4182**

### **Meets “A - G” requirement**

**Prerequisites:** Advanced Intermediate Algebra 1-2 with a grade of “B” or better, score of Advanced or Proficient on the CST exam for Algebra 2 *and* teacher recommendation.

For students who have demonstrated excellent ability and motivation in all previous advanced math courses. This in-depth course in algebra includes a strong treatment of trigonometry, algebraic functions and limits. Students who take this course will take a qualifying exam for Math 150 in the spring and successful completion prepares students for the first course of college Calculus.

## **STATISTICS (12) 4046, 4047**

### **Meets “A - G” requirement**

**Prerequisites:** Function’s Analysis with a grade “C” or better or Precalculus with grade “C” or better.

This is an introductory course addressing all eight of the California Mathematics Content Standards for Probability and Statistics and 10 of the 19 standards for Advanced Placement Probability and Statistics. Students in this course will explore and represent data graphically, interpret data, design studies and use inference to determine statistical significance. This course meets the fourth year UC/CSU “C” math requirement for college prep.

# 2013-2014 Course Offerings

## **TOPICS IN DISCRETE MATH (12) 4185, 4186**

**Meets “A - G” requirement**

**Prerequisites:** Pre-Calculus 1-2 or Honor’s Pre-Calculus 1-2 with a grade of "C" or better, and/or teacher recommendation.

Discrete Math reviews functions, matrices, linear programming, and finance, set logic and probability in the first semester while the second semester focuses on topics of college Calculus. The course is designed to prepare students for success in college calculus and is aligned with the California State Standards for Linear Algebra, Math Analysis and Calculus. This course meets the fourth year UC/CSU “C” math requirement for college prep.

## **AP CALCULUS 1, 2 AB (12) 4189, 4190**

**Meets “A - G” requirement**

**Prerequisites:** Honor’s Precalculus with a grade of "B" or better or Precalculus with a grade of “A” and teacher recommendation.

This course follows the standard syllabus of Advanced Placement Calculus AB as stated in The College Board’s most recent *Advanced Placement Course Description: Calculus*. It provides students the opportunity to sit for an advanced placement examination and earn college credit if they obtain a score of 3, 4, or 5 on the exam. A T1-83 or better is needed (TI-89 is recommended). While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

## **AP CALCULUS 1, 2 AB (12) 4197, 4198**

**Meets “A - G” requirement**

**Prerequisites:** Honor’s Precalculus with a grade of "B" or better or Precalculus with a grade of “A” and teacher recommendation.

This course offers students a full academic year of work in calculus comparable to a college level course in the subject. The course takes a multi-representational approach to calculus, expressing concepts, problems, and results geometrically, numerically, analytically and verbally. It provides students the opportunity to sit for an advanced placement examination and earn college credit if they obtain a score of 3, 4, or 5 on the exam. A T1-83 or better is needed (TI-89 is recommended). While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

# 2013-2014 Course Offerings

## SCIENCE

### **EARTH SCIENCE 1, 2 (9) 6023, 6024**

#### **Meets “A - G” requirement**

This course concentrates on understanding the earth's dynamic environments through the study of processes and physical and human interactions related to the lithosphere, hydrosphere, and atmosphere. This class will provide an excellent foundation in rigorous physical science for further study in chemistry, biology, and physics.

### **ADVANCED EARTH SCIENCE 1, 2 (9) 6027, 6028**

#### **Meets “A - G” requirement**

This standards-based laboratory science course is a more rigorous version of the regular Earth Science course currently offered to students in grade 9. This course will address additional state standards in Earth Science, including some of the more difficult ones. Topics covered will include: astronomy, dynamic earth processes, energy in the earth systems, biogeochemical cycles, structure and composition of the atmosphere, and California geology. Emphasis will be placed on the use of mathematics and graphical analysis in each of these major content areas.

### **PHYSICS 1, 2 (9-12) 6311, 6312**

#### **Meets “A - G” requirement**

Based on the California standards for high school physics. Topics include Motion and Forces, Momentum and Energy, Heat and Thermodynamics, Waves and Optics, and Electromagnetism. A significant amount of reading and problem solving using supplemental texts will be used. Test taking strategies are also incorporated throughout the year with the goal of a proficiency score on the California Standards Test.

### **ADVANCED PHYSICS 1, 2 (9-12) 6321, 6322**

#### **Meets “A - G” requirement**

Based on the California standards for high school physics. Topics include Motion and Forces, Momentum and Energy, Heat and Thermodynamics, Waves and Optics, and Electromagnetism. A significant amount of reading and problem solving using supplemental texts will be used. Interpretation of experimental results and problem-solving skills are stressed with the goal of preparing students for the SAT II Achievement Test in Physics.

### **CHEMISTRY 1-2 (10–12) 6211, 6212**

#### **Meets “A - G” requirement**

This course covers the state chemistry standards at a basic level. Students will be introduced to each of the 11 content areas outlined in the state standards through laboratory explorations, modeling, reading, and discussions. Students will be guided through critical thought processes and will use these skills to solve problems.

### **HONORS CHEMISTRY 1-2 (11-12) 6221, 6222**

#### **Meets “A - G” requirement**

**Prerequisite:** Above-average achievement in previous science course(s) and in Algebra 1-2 or equivalent; concurrent enrollment in Intermediate Algebra 1-2 or equivalent recommended; a desire to succeed in a rigorous college-level course environment.

Through laboratory and independent problem-solving activities, teacher demonstrations, lectures and discussions, text and supplementary readings, and homework experiences, students who have demonstrated considerable interest and outstanding achievement in science will explore how chemists attempt to solve problems and how the chemical aspects of their environment interact and can be controlled to benefit their daily lives. All student activities have clearly defined goals for both the content material covered and the thinking (process) skills involved. Laboratory activities are to have clearly labeled safely precautions and hazardous waste disposal procedures. This course is intended to help students meet state science standards.

# 2013-2014 Course Offerings

## **AP CHEMISTRY 1, 2 (11-12) 6291, 6292**

### **Meets "A - G" requirement**

**Prerequisites** Honors Chemistry 1, 2 with a grade of "B" or better or Chemistry 1, 2 with teacher recommendation and one year of Algebra 1, 2 with a grade of "B" or better.

In this elective, usually second-year course in chemistry, students are challenged with learning activities equivalent to those of a general chemistry course usually taken during the first year of college. Those successfully completing this course will attain a depth of understanding of chemical concepts, significant laboratory experiences, and knowledge of current directions that will prepare them for the Advanced Placement Test in General Chemistry. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

## **BIOLOGY 1, 2 (10-12) 6111, 6112**

### **Meets "A - G" requirement**

This introductory course is designed to build on physical science concepts, and emphasize mechanisms for the functioning and continuity of organisms. Unifying themes of biology are stressed (evolution, homeostasis, energy, matter and organization, continuity, development, and ecology) and the application and relevance of biology to students' lives and to society. Inquiry and the nature of science are important content elements.

## **ADVANCED BIOLOGY 1, 2 CLUSTER (11-12) 6121, 6122**

### **Meets "A - G" requirement**

This is a first year course intended for students with the interest and ability to extend their study of biology beyond the basic course, and/or who are contemplating a science-related career but are not prepared to take Advanced Placement Biology as their first biology course. It covers all the elements of the regular course, including the same inquiry and cooperative strategies, but the pace will be faster, and it will go into greater depth in selected areas. It builds extensively on concepts learned in physics and chemistry and is more quantitative. It addresses state science standards.

## **AP BIOLOGY 1, 2 (11-12) 6191, 6192**

### **Meets "A - G" requirement**

In this course students engage in learning activities equivalent to those of a freshman biology course at the university level. Students successful in this course attain a depth of understanding of fundamental biological concepts and are able to demonstrate that understanding, orally and in writing, with clarity and logic. The application and relevance of biology to students' lives and to society are stressed, and inquiry and the nature of science are important content elements. Materials used for this course differ qualitatively from those used in other biology courses in both rigor and content, and in the complexity of laboratory experiences. Laboratory activities have clearly labeled safety precautions and hazardous waste disposal procedures. The students' learning activities are intended to prepare them to succeed in the Advanced Placement Examination in Biology. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

## **PHYSIOLOGY 1, 2 (11 -12) 6151, 6152**

### **Meets "A - G" requirement**

**Prerequisites** Physics 1, 2 or Chemistry 1, 2, and Biology 1, 2, or equivalents

The body systems of humans and animals are used as examples of systems necessary for the growth and maintenance of life. These systems are studied in terms of their general structures and functions in living things. Emphasis is placed on the evolutionary sequence of particular organs, tissues and functions so the student can grasp the concept of homology and the evidence by which scientists unite organisms into evolutionary groups. The biochemical functions of human systems are covered. Laboratory experience involves cat dissection.

# 2013-2014 Course Offerings

## **AP PHYSICS - LEVEL B (12) 6393, 6394**

**Meets “A - G” requirement**

**Prerequisites:** Successful completion of or concurrent enrollment in Pre-calculus 1-2, Pre-calculus 1-2 Honors, or a higher-level mathematics course; background in chemistry, Physics 1, 2, or recommendation of the teacher.

This course is strongly recommended for students planning to enter any School of Engineering or attending a Professional School of Medicine, Veterinary Medicine, Dentistry, or Pharmacology. This is a calculus-based physics course (Note: Calculus 1, 2 is not a prerequisite). It is intended for students planning to have majors in science and/or engineering at the university level and is an ideal preparation for the SAT II Achievement Test in Physics (required by the UC System). The course focuses on Newtonian Mechanics. Topics include: Vectors, Motion in one and two dimensions, Newton's Law of Motion, Dynamics, Statics & Equilibrium, Work & Energy, Momentum & Collisions, Oscillations, Rotational Motion, and Gravitation. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

## **BIOTECHNOLOGY 1, 2 (11-12) 8704, 8705**

**Meets “A - G” requirement**

**ROP Prerequisite:** Must be 16 years old

This course provides entry-level preparation for advanced training in biotechnology services. This is a laboratory-based class that integrates the core competencies of the health sciences career path of the life and physical sciences with the technical skills needed for post-secondary education and/or employment in the biotechnology industry. Students completing this course with a grade of A or B are eligible to earn community college credits.

## **AP ENVIRONMENTAL SCIENCE (11-12) 6455, 6456**

**Meets “A - G” requirement**

**ROP Prerequisite:** Must be 16 years old

**Prerequisite:** Biology 1, 2 or equiv and either Chemistry, Physics, or Earth Science.

This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, to evaluate the relative risks associated with these problems, and to examine solutions for resolving or preventing them. Students completing this course with a grade of A or B are eligible to earn community college credits. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

# 2013-2014 Course Offerings

## SOCIAL STUDIES

### **AP HUMAN GEOGRAPHY 1, 2 (9) 6511, 6512**

#### **Meets “A - G” requirement**

This course introduces students to the systematic study of the patterns and processes that have shaped mankind’s understanding, use, and alteration of the earth’s surface. Students are introduced to the methods and tools used by geographers to analyze human social organization and its environmental consequences. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

### **MODERN WORLD HISTORY AND GEOGRAPHY 1, 2 (10) 6605, 6606**

#### **Meets “A - G” requirement**

In this course students examine the following strands: history, geography, economics, culture, and ethics. The course emphasizes national identity, constitutional heritage, and citizenship. It exercises varied study, visual, map/globe, and critical-thinking skills. World history from the late 1700s to the present is explored. The curriculum is designed to increase students’ capacity to think analytically and critically.

### **ADVANCED WORLD HISTORY 1, 2 (10) 6645, 6646**

#### **Meets “A - G” requirement**

This course provides an in-depth study of world history from the rise of democratic ideas to the contemporary world. Students develop advanced skills in analyzing historical, cultural, social, economic, and geographical issues in a global context. Students explore connections between local, national, and global issues. The course culminates with a critical examination of the problems of the modern world.

### **AP WORLD HISTORY 1-2 (6639, 6640)**

#### **Meets “A - G” requirement**

World History Advanced Placement is a course that is broader and more rigorous than the World History 1, 2 Advanced course (6645, 6646). This course emphasizes cross-cultural and cross-period global processes and relationships over the traditional chronological approach so that students gain historical perspective on a global array of civilizations, not just Western ones. Students enrolled in this course will be prepared to take the AP World History examination. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

### **UNITED STATES HISTORY AND GEOGRAPHY 1, 2 (11) 6701, 6702**

#### **Meets “A - G” requirement**

In the course students examine major turning points in American history in the twentieth century. The course begins with a review of U.S. history with an emphasis on the nation’s beginnings and the industrial transformation of the new nation. Students then study the Progressive Era, American participation in World War I and World War II, the Great Depression, and national issues in the post- World War II era. They will also examine elements of culture, including religion, literature, drama, art, music, education, and the role of media. This course emphasizes the relevance of history to students’ daily lives and helps them understand how the ideas and events of the past shape the institutions and debates of contemporary America.

### **UNITED STATES HISTORY AND GEOGRAPHY 1, 2 HONORS (11) 6711, 6712**

#### **Meets “A - G” requirement**

**Prerequisites** A grade of “B” or better in Adv. World History, or a grade of “A” in World History 1, 2 and recommendation of grade 9 or 10 social studies teacher.

This course is designed for the rigorous study of U.S. history and geography. The content includes a study of American history from the late nineteenth century to the present, with major emphasis on the development of American ideals and institutions. Students examine important issues and historical forces that have shaped the nation, including race, gender, politics, economics, foreign policy, culture, and the environment. Original documentary sources are used to supplement the text and enrich the student’s experience. Research techniques are taught. All students must pass an end-of-course examination.

# 2013-2014 Course Offerings

## **AP UNITED STATES HISTORY 1, 2 (11) 6721, 6722**

### **Meets “A - G” requirement**

The course provides challenging instruction for grade 11 students. It helps students develop critical judgments by encouraging them to read and analyze carefully chosen selections from both secondary and primary sources that explore the ideals, traditions, and institutions of the United States as well as the unity and diversity among American people. Emphasis is given to interpretations of major historical themes and evidence. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

## **GOVERNMENT 1 (12) 6757**

### **Meets “A - G” requirement**

In Government 1 students apply knowledge gained in previous years of study to pursue a deeper understanding of the institutions of American government. This course focuses on the U.S. Constitution and Bill of Rights, the courts and governmental processes, the legislative and executive branches of government, state and local government, and comparative government. Government 1 is the culmination of the civic literacy strand that prepares students to vote, to reflect on the responsibilities of citizenship, and to participate in democratic activities and processes.

## **PRINCIPLES OF ECONOMICS 1 (12) 6758**

This one-semester course deepens students’ understanding of the economic problems and institutions of the nation and the world. Students learn to make reasoned decisions on economic issues through the study of fundamental economic concepts, comparative economic systems, microeconomics, macroeconomics, and international economics.

## **AP US GOVERNMENT AND POLITICS (12) 6839**

### **Meets “A - G” requirement**

A **one-semester** course that provides more challenging instruction to students in grade 12 to enable them to meet the mandated requirement in American Government. The course includes an in-depth study of the nature of the American political system, its development over the last two hundred years, and how it works today. The course follows the standard syllabus of Advanced Placement American History as specified by the College Board; it prepares students to satisfactorily complete the *Advanced Placement Examination in Government and Politics: United States* and to earn college credit. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

## **AP EUROPEAN HISTORY 1, 2 (10-12) 6759, 6760**

### **Meets “A - G” requirement**

This course provides challenging instruction to students in grades 10–12. The course is organized to help students develop understanding of some of the major themes of European history and an awareness of the consequences of the European contacts with other regions of the world. Emphasis is placed on European history from 1450 to the present. Development and practice of critical-thinking skills and analysis play a major part in course instruction. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.



# 2013-2014 Course Offerings

## FINE ARTS

### ART

#### **ART 1, 2 (9-12) 0191, 0192**

##### **Meets “A - G” requirement**

Need to learn the basics of drawing, sculpture, color theory and painting to get your high school art experience? This class will get you started for all of the art courses offered here. You'll learn how the elements and principles of art and design can help you create two and three-dimensional projects. Different materials such as graphite, oil and chalk pastels, clay, papier-mâché, scratchboard, tempera paint and watercolor, computer programs like Photoshop will be a few of the materials you will explore.

#### **CERAMICS 1, 2 3, 4 (10-12) 0231, 0232**

##### **Meets “A - G” requirement**

Discover the joy of creating with clay. Make great projects the first semester while learning the techniques...mugs, boxes, dino eggs, fatsos, and masks. Apply those techniques to more advanced projects, that you choose, during the second semester... waterfalls, lamps, jewelry boxes, lanterns, and much more. **This is a hand building class that meets graduation and college requirements.**

#### **COLOR AND DESIGN (Fashion/Clothing Design) (10-12) 0241, 0242**

##### **Meets “A - G” requirement**

Apply the color and theory and strong principals of design to a variety of projects involving high-end fine art, products and fashions. Both materials and computer software will be used for class projects.

#### **DRAWING AND PAINTING 1 & 2 (9-12): 0271, 0272**

##### **Meets “A - G” requirement**

Explore a variety of techniques and materials like watercolor, tempera, acrylic, and oil paints, to reveal your unique style of drawing and painting. Practice will improve all levels of skill so this is a great beginning class and gives the same credit as Art 1 & 2. \*All students interested in taking AP Art Studio for college credit will benefit from this class.

#### **ADVANCED ART STUDIO 1, 2 (10-12) 0371, 0372**

##### **Meets “A - G” requirement**

Designed for the highly motivated student with a good background in art. Experiment with various drawing and painting techniques using a variety of materials and approaches. Excellent for the art student wishing to continue development of abilities.

#### **AP STUDIO ART, DRAWING, PORTFOLIO 1, 2 (11-12) 0377, 0378**

##### **Meets “A - G” requirement**

**Prerequisites** Two full years of high school art with a grade of “B” or better, teacher recommendation.

These courses provide instruction for highly skilled, exceptional students in drawing, two-dimensional, or three dimensional original artwork. The courses assist these students in the preparation of a portfolio for the Advanced Placement program in studio art. There are three distinct portfolio options: the drawing portfolio, the two-dimensional portfolio, and the three dimensional portfolio. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

# 2013-2014 Course Offerings

## **AP STUDIO ART, 2-D DESIGN 1, 2 0367, 0368**

**Meets “A - G” requirement**

**Prerequisites** One year of high school art with a grade of “B” or better, teacher recommendation.

These two courses offer college credit for exceptional students in drawing or two-dimensional original artwork and photographs. Students are guided through all aspects of the creation of art for a portfolio that will be sent for examination by the AP College Board. While students do not need to submit a portfolio to earn a weighted grade (for an A, B, or C), they must submit the portfolio for examination to earn college credit.

## **MUSIC**

### **AP MUSIC THEORY 1, 2 (10-12) 5373, 5374**

**Meets “A - G” requirement**

**Prerequisite** Teacher recommendation.

A course designed for the student who is serious about learning the fundamentals of music, writing, and analyzing music compositions, and has prior musicianship. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

### **PE MARCHING BAND UNIT (9-12) 5843**

**Prerequisite** Teacher recommendation; instrument played will determine class period/section.

**Grade 9 students have a zero period P.E. class**

A fall semester course that includes physical fitness activities and instruction in performing marching activities. Any student desiring to be in the Marching Band must take this course in the fall. Weekend performances and rehearsals outside of normal school hours are part of the course and will be graded.

### **COLOR GUARD: PHYSICAL EDUCATION – DRILL TEAM (9-12) 5842.2**

**Prerequisites** Teacher recommendation.

Co-ed, year-long course. Physical fitness activities and instruction in performing routines. Students will be assigned from the recommendation of the department.

### **INTERMEDIATE BAND (9-12) 5320, 5321**

**Meets “A - G” requirement**

**Prerequisite** Ability and desire to play an instrument and teacher recommendation.

A year-long course offered to students who have completed beginning band work or who have desire to learn how to play a new or additional instrument.

### **JAZZ ENSEMBLE 1, 2 (9-12) 5330, 5331**

**Meets “A - G” requirement**

**Prerequisite:** Instructor approval.

This course is for a selected instrumentation and/or voices of musically experienced students. It will usually consist of an ensemble appropriate for performing a variety of jazz literature. Students will learn skills and techniques necessary for performing jazz literature. Jazz Ensemble students will present more frequent public performances.

### **WIND ENSEMBLE 1, 2 (9-12) 5133**

**Meets “A - G” requirement**

**Prerequisite:** Selection by teacher based on audition/

This two-semester course is designed for students who have exhibited advanced competency in instrumental playing. In this course, students develop advanced ensemble skills and techniques while learning to play challenging instrumental ensemble literature. Students also participate in frequent public performances.

# 2013-2014 Course Offerings

## **CHOIR 1, 2 (5050, 5051)**

### **Meets "A - G" requirement**

This standards based course provides instruction in the basic principles of musicianship and promotes familiarity with standard choral literature. Choir may be made up of mixed voice or separate groups selected on the basis of voice quality or range. This course is designed for students with no previous choral experience.

## **CHOIR 3, 4 (9-12) 5055, 5056**

### **Meets "A - G" requirement**

**Prerequisites** Selection is by teacher

Two semester course designed to provide students interested in some singing experience as a prerequisite for advanced performing vocal groups. Weekend performances and rehearsals outside of normal school hours are part of the course and will be graded.

## **CHORAL ENSEMBLE 1, 2 ADVANCED (9-12) 5365, 5366**

### **Meets "A - G" requirement**

**Prerequisites** Selection is by teacher with audition.

This two-semester course is the most advanced in the choral music program. In addition to choir performance, the ensemble may perform in madrigal and ensemble festivals and at community functions. Weekend performances and rehearsals outside of normal school hours are part of the course and will be graded.

## **ORCHESTRA (SENIOR HIGH) 1, 2 (9-12) (STRING ORCHRETRA) 5335, 5336**

## **ORCHESTRA (SENIOR HIGH) 3, 4 (9-12) (STRING ORCHRETRA) 5337, 5338**

### **Meets "A - G" requirement**

**Prerequisites** Teacher recommendation.

A two-semester course designed to provide instruction in string ensemble and full orchestral techniques and literature. Extracurricular rehearsals and performances are considered part of the course and are graded.

## **MUSIC APPRECIATION 1, 2 (9-12) 5381, 5382**

### **Meets "A - G" requirement**

This course is a survey of music from primitive times to the present. Enjoyment and understanding of music are developed by listening, class discussion, and hands on musical activities and reading.

## **THEATRE**

## **THEATRE 1, 2 (9-12) 1423, 1424**

### **Meets "A - G" requirement**

Act up and get away with it! Enthusiastically unleash your imagination through the art of acting. In this encouraging environment, the new drama student will develop fundamental acting skills through a variety of creative and exciting workshops, improvisations, Reader's Theater, and scene work. Students will also be introduced to the basics of technical theatre. **Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.**

## **THEATRE 3, 4 (10-12) 1425, 1426**

### **Meets "A - G" requirement**

**Prerequisite** Drama 1, 2 with a grade of "C" or better or teacher recommendation.

Let's have more fun! A continuation of Drama 1, 2 with much more emphasis on character study and development. Also learn important techniques that will prepare you to audition for stage, commercial, and film opportunities. Develop your skills as a director through script and scene study. **Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.**

# 2013-2014 Course Offerings

## **THEATRE 5, 6 (11-12) 1427, 1428**

**Meets “A - G” requirement**

**Prerequisite** Teacher recommendation.

Use it! Explore college theater programs and other career opportunities in the drama field. Advance your skills in directing concepts, acting skills, and play production. Participate in class and school productions.

**Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.**

## **THEATRE 7, 8 (11-12) 1429, 1430**

**Meets “A - G” requirement**

**Prerequisite** Teacher recommendation.

Use it! Explore college theater programs and other career opportunities in the drama field. Advance your skills in directing concepts, acting skills, and play production. Participate in class and school productions. **Note:**

**Participation in extracurricular/after school theatre productions is required as part of the course curriculum.**

## **TECHNICAL THEATRE 1, 2 (9-12) 1413, 1414**

**Meets “A - G” requirement**

Quiet on the set! This class is designed for the student interested in "technical theater" who desires special instruction and hands-on training in scenic and lighting design, set construction, sound, costumes, and stage management. You will work on all main stage productions. **Note: Participation in extracurricular/after school theatre productions is required as part of the course curriculum.**

## **TECHNICAL THEATRE 3, 4 (9-12) 1462, 1463**

**Meets “A - G” requirement**

**Prerequisites:** Successful completion of Technical Theater 1, 2 (1413, 1414) with a grade of B or better. Students also must pass a district-required safety test. **Note:** Participation in extracurricular theater productions is required as part of the course curriculum.

This course continues instruction begun in Technical Theatre 1, 2 and forms part of a sequential course of study in technical theater and production. Students who take this course will develop their own designs for school productions and execute them for performance. They will create designs for the sets, lighting, costumes, and sound of these productions—including sketches, ground plans, renderings, color charts/swatches, and models—and work with other designers and the director to develop a unified design scheme for each one. Students also will serve as crew chiefs during construction, supervising the work of Technical Theatre 1, 2 students. Stage-management responsibilities with full prompt books also will be required for all productions. **Note: Participation in extracurricular/after school theatre productions is required as part of the course curriculum.**

## **MUSICAL THEATRE WORKSHOP 1, 2 (9-12) 1411, 1412**

**Meets “A - G” requirement**

This course provides a guided workshop in which students can practice and polish their musical-theatre audition and performance skills. It requires students to be self-disciplined and able to set and reach individual goals to make the best use of available resources. Students are required to give individual and ensemble performances on a regular basis, and are expected to do homework outside of class, including research, report writing, and practice. This course includes the study of the musical theatre form, history and styles, as well as major figures in musical theatre. Instruction comes from a combination of departments, including theatre, music, and dance. **Note: Participation in extracurricular/after school theatre productions is required as part of the course curriculum.**

## **MUSICAL THEATRE WORKSHOP 3, 4 (10-12) 1453, 1454**

**Meets “A - G” requirement**

**Prerequisites:** Successful completion of Musical Theatre Workshop 1, 2 (1411, 1412) with a grade of B or better. **Note:** Participation in extracurricular theater productions is required as part of the course curriculum.

This course provides students with a second year of instruction in the art of musical theatre. The course includes the study of audition techniques, musical theatre history, performance preparation and presentation, and show selection, design, and production. Other topics addressed include dramatic structure, character/lyric/text analysis, and casting/directing. Students in this course take part in individual and ensemble performances, including ones outside of class time.

# 2013-2014 Course Offerings

## **PLAYWRITING AND DIRECTING 1, 2 (9-12) 1443, 1444**

**Meets “A - G” requirement**

**Prerequisites:** Instructor approval.

Students in this course focus on either playwriting or directing. Students who choose playwriting are expected to work independently and complete at least one original one-act play during the two-semester course period. Plays in progress are reviewed and discussed weekly. Students in the directing focus will acquire basic skills as intern directors for Drama 1, 2 classes. In the second semester, they will either select and direct a one-act play, using student actors, or serve as student directors on a major school production. **Note: Participation in extracurricular/after school theatre productions is required as part of the course curriculum.**

## **ARTS MANAGEMENT 1, 2 (11-12) 8691, 8692**

**ROP Prerequisite:** Must be 16 years old

This course is intended to act as a capstone class in the arts, media and entertainment career path. It provides entry-level and advanced training in the field of arts management. Instruction covers business evaluation, market research, employment practices, administrative policies, as well as location, production and pricing theory. Students use nonprofit accounting methods to run a box office, and learn how to curate and market artistic works. Employment possibilities may be entrepreneurial in nature or may exist within existing organizations, in roles such as studio artist, gallery owner, and theater manager. Students completing the course with a grade of A or B are eligible to earn community college credits. **Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.**

## **VIDEO PRODUCTION**

### **VIDEO PRODUCTION 1, 2 (9-12) 8373, 8374**

**Meets “A - G” requirement**

Students learn to produce and direct television shows and operate all studio equipment, including cameras, teleprompters, lighting and recording, and character generators. Students learn the basics of script writing, the elements of story structure, and the basics of non-linear editing.

### **MULTIMEDIA PRODUCTION 1, 2 (11-12) 8839, 8840 – *Marauder 5***

### **MULTIMEDIA PRODUCTION 3, 4 (11-12) 8841, 8842 – *Video Update***

**Meets “A - G” requirement**

**ROP Prerequisite:** Must be 16 years old

This course provides instruction in media technology and production. Instruction covers audio and video production, computer graphics and animation, and multimedia presentations, as well as the use of video recorders, cameras, projectors, special-effects generators, audio mixers, electronic keyboards, computers, scanners, digitizers, and printers. The media-production skills learned in this course also enhance the qualifications of students intending to work as graphic artists, photographers, programmers and musicians. Employment possibilities include Web designer, animator, sound technician and video-production assistant. Self-employment in the areas of video production, music, and graphic design also is possible. Students completing this course with a grade of A or B are eligible to earn community college credits.

### **BROADCAST JOURNALISM 1, 2 (11-12) 8432, 8433**

**Meets “A - G” requirement**

**ROP Prerequisite:** Must be 16 years old

This course provides instruction in digital video editing, script writing, reporting, sound editing, and presentation design. Students develop communication and technical production skills by preparing and presenting newscasts and enterprise reports in a broadcast environment. Students completing this course with a grade of A or B are eligible to earn community college credits. This class produces the monthly Mira Mesa Update. Internships opportunities are available for this class.

# 2013-2014 Course Offerings

## ELECTIVES

### Air Force Junior Reserve Officer's Training Corps (AFJROTC)

#### **AFJROTC**

The mission of the Air Force Junior Reserve Officer Training Corps (AFJROTC) program is to develop citizens of character dedicated to serving their nation and community. The objectives of AFJROTC are to educate and train high school cadets in citizenship; promote community service, instill responsibility, character, and self-discipline; and provide instruction in air and space fundamentals. The AFJROTC program is grounded in the Air Force core values of integrity first, service before self, and excellence in all we do. There are three parts of the program: aerospace science, leadership education, and wellness. The aerospace science portion of the curriculum emphasizes the Air Force heritage and traditions, the development of flight, applied flight sciences, military aerospace policies, and space exploration. The leadership education portion examines group dynamics, team building, leadership qualities, communications, life skills, financial management, and college, scholarship, and career opportunities. The wellness portion involves a regular fitness regimen in which all cadets must participate. Cadets engage in drill and ceremonies and structured physical training activities designed to challenge them and improve their leadership, team support, and physical skills. Extra-curricular activities include: field trips, community service, drill teams, special teams (academics, physical fitness, cyber security, and awareness presentation team), and color guard. A uniform is provided free and must be worn once a week. The goal of the course is to help the student succeed at Mira Mesa High School and pursue higher education.

#### **AFJROTC 1, 2 (9-12) 4511, 4512**

**Recommended Courses** None

**Physical education/ Military Science Elective credit**

#### **Aerospace Science 100: A Journey into Aviation History**

This is the recommended first AS course for all new cadets. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Throughout the course, there are readings, videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials.

#### **Leadership Education 100: Citizenship, Character, and Air Force Tradition**

The LE-100 textbook introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship.

#### **AFJROTC 3, 4 (10-12) 4513, 4514**

**Recommended Courses** AFJROTC 1, 2

**Physical education/ Military Science Elective credit**

#### **Aerospace Science 200: The Science of Flight: A Gateway to New Horizons**

*The Science of Flight: A Gateway to New Horizons* is an introductory course and customized textbook that focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight navigation. The course is designed to complement materials taught in math, physics, and other science related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. In this course, every lesson includes a "Quick Write" and a short story related to the lesson; a "Learn About" that tells students what they'll learn from the lesson; a list of vocabulary words in the lesson; "Wing Tips" that highlight specific and interesting facts; and many biographies and profiles. Each lesson closes with "Checkpoints" that will allow students to review what they have learned. An "Applying Your Learning" section at the end of each lesson presents discussion questions that will give them a chance to use

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what they have learned and provides another way to reinforce their understanding of the lesson's content. The text has four chapters, each of which contains a number of lessons.

## **Leadership Education 200: Communication, Awareness, and Leadership**

Leadership Education 200 stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects

## **AFJROTC 5, 6 (11-12) 4515, 4516**

**Recommended Courses** AFJROTC 1,2,3,4

**Physical education/ Military Science Elective credit**

## **Aerospace Science 220: Cultural Studies: *An Introduction to Global Awareness***

This is a customized course about the world's cultures. The course is specifically created for the US Army, Marine Corps, Navy, and Air Force Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials. Twenty First Century Skills as defined by the Partnership for 21st Century Skills are integrated into the course. These include learning and innovation (thinking) skills—critical thinking and problem solving, creativity and innovation, and communication and collaboration; information, media and technology skills—information literacy, media literacy, and ICT (information, communications and technology) literacy; and life and career skills—flexibility and adaptability, initiative and self-direction, social and cross-cultural skills, productivity and accountability, and leadership and responsibility. Again, the content of this course is correlated using the National Geography and Social Studies Standards. These include the National Geography Standards - *Geography for Life*; and the *National Council for the Social Studies* (NCSS) standards. In addition, the technology enrichment activities are correlated to the *National Education Technology Standards for Students* (NETS●S).

## **Leadership Education 300: Life Skill and Career Opportunities**

The *Leadership Education 300: Life Skills and Career Opportunities* textbook will be helpful to students in deciding which path to take after high school. Information on how to apply for admission to college or to a vocational or technical school is included. Information on how to begin the job search is available to students who decide not to go to college or vocational school. Available also is information about financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration will be helpful too. For those students who may be moving into an apartment of their own, information is presented on apartment shopping and grocery shopping skills. There is information on how to prepare a résumé and the importance of good interviewing skills. If there are students who are interested in a career in the military, with the federal government, or an aerospace career, information is also provided for them.

## **AFJROTC 7, 8 (12) 4517, 4518**

**Recommended Courses** AFJROTC 1, 2, 3,4,5,6

**Physical education/ Military Science Elective credit**

## **Aerospace Science 220: Cultural Studies: *An Introduction to Global Awareness***

This is a customized course about the world's cultures. The course is specifically created for the US Army, Marine Corps, Navy, and Air Force Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials. Twenty First Century Skills as defined by the Partnership for 21st Century Skills are integrated into the course. These include learning and innovation (thinking) skills—critical thinking and problem

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solving, creativity and innovation, and communication and collaboration; information, media and technology skills—information literacy, media literacy, and ICT (information, communications and technology) literacy; and life and career skills—flexibility and adaptability, initiative and self-direction, social and cross-cultural skills, productivity and accountability, and leadership and responsibility. Again, the content of this course is correlated using the National Geography and Social Studies Standards. These include the National Geography Standards - *Geography for Life*; and the *National Council for the Social Studies (NCSS)* standards. In addition, the technology enrichment activities are correlated to the *National Education Technology Standards for Students (NETS•S)*.

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## **Aerospace Science 400 - Management of the Cadet Corps (Senior Staff only)**

The cadets manage the entire corps during their fourth year in the Air Force Junior ROTC program. This hands-on experience affords cadets the opportunity to put theories of previous leadership courses into practice. Planning, organizing, coordinating, directing, controlling, and decision-making will be done by cadets. They will put into practice their communication, decision-making, personal-interaction, managerial, and organizational skills.

## **Leadership Education 500: Drill and Ceremonies**

All cadets participate in Drill and Ceremonies instruction and practice. The Drill and Ceremonies portion of the curriculum provides an in-depth introduction to drill and ceremonies. The course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of the command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn drill. Though each class will follow an established lesson plan, most of the work is to be hands-on. Instructors are provided AFM 36-2203 to teach the Drill and Ceremonies course. In addition, instructors may order the Army Field Manual 3-21.5 and the Interservice Cross-Index Drill Manual to supplement the teaching of Drill and Ceremonies. There is also a Drill and Ceremonies Instructional DVD available to aid you in teaching drill.

## **Wellness**

Wellness is an official and integral part of the Air Force Junior ROTC program. It consists of two exercise programs focused upon individual base line improvements with the goal of achieving a national standard as calculated by age and gender. The Wellness curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities. The program is provided as a tool to help you develop individualized training programs for your cadets. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education 100. Instructors are free to include other activities cadets enjoy such as team sports in order to keep the Wellness Program fun and motivating. Instructors are also encouraged to utilize sites such as PE Central to help develop lesson plans and fitness activities. The Wellness Program also provides a list of 19 exercises with examples that may be utilized in a 36-week program modifiable to meet individual and district/state goals. Instructors should utilize fitness programs that best fit the requirements within their district/county/state. HQ AFJROTC offers suggested fitness programs that may meet these requirements that will allow for tracking through WINGS. Cadet fitness improvement should also be rewarded, either by earning the Wellness Ribbon, Presidential Fitness Challenge certificate, or both.



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## ASSOCIATED STUDENT BODY (ASB)

### STUDENT GOVERNMENT (9-12) 8431.2

**Prerequisites** Teacher approval and a 2.0 GPA in scholarship and citizenship are required, with no F's or U's.

This year-long course affords both elected and appointed student body officers guidance, in-service training, and practical experience in student government and democratic leadership. Students are required to work in the student store during lunch.

## AVID

### SENIOR HIGH AVID (9-12) 8060.2

AVID is a grade 9-12 program to prepare students in the academic middle for four-year college eligibility. AVID targets students in the academic middle - B, C students - who have the desire to go to college and the willingness to work hard. Typically, they will be the first in their families to attend college, and many are from low-income or minority families. For one period a day, students learn organizational and study skills, work on critical thinking and asking probing questions, get academic help from peers and college tutors, and participate in enrichment and motivational activities that make college more attainable.

## DANCE

### DANCE TEAM: PHYSICAL EDUCATION – DRILL TEAM (9-12) 5842.2

**Prerequisites** Minimum GPA of 2.0, with no grades of "F" or "U".

**Selection is by teacher with audition.**

Focus on dance basics and techniques in a variety of styles, including military and hip hop, at a competitive level.

## PHYSICAL EDUCATION

### PHYSICAL EDUCATION (9) 5511.2

**Note:** All 9<sup>th</sup> grade students must enroll in Physical Education. All 9<sup>th</sup> grade students must also pass the FITNESSGRAM or re-enroll in Physical Education each year until the FITNESSGRAM is passed. Soccer/FB/BB/VB/HB/SB/Bad/Ten. A full year course introducing skills, basic game rules, and strategies in a wide variety of team and individual sports. Physical fitness activities are emphasized, along with the wide exposure to other sports.

### PHYSICAL EDUCATION (10 – 12) 5711.2

Soccer/FB/BB/VB/HB/SB/Bad/Ten. A full year course introducing skills, basic game rules, and strategies in a wide variety of team and individual sports. Physical fitness activities are emphasized, along with the wide exposure to other sports

### PHYSICAL EDUCATION - INTERSCHOLASTIC ATHLETICS (9-12) 5712.2

**Prerequisite 2.0 GPA in scholarship and citizenship and approval of coach.**

Opportunities in interscholastic competition at varsity and junior varsity levels, grade 9 girls volleyball, and grade 9 football.

**FALL SPORTS:** (Sept.-Nov.) Boys/girls cross country, girls field hockey, football, girls tennis, girls volleyball, boys water polo, girls golf.

**WINTER SPORTS:** (Nov.-Feb.) Boys/girls basketball, boys/girls soccer, wrestling, girls water polo.

**SPRING SPORTS:** (Feb.-June) Coed badminton, baseball, boys golf, lacrosse, softball, boys/girls swimming/diving, boys tennis, boys volleyball, boys/girls track and field.

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## **PHYSICAL EDUCATION - WEIGHT TRAINING (11-12) 5711.2A**

Students will establish a set of personal fitness goals and create a personal strength-training and conditioning program that fits the individual. Techniques such as Olympic lifting, proper spotting, Kettle bells, core strength movements, and cardiovascular exercises will be used to improve physical strength and fitness. Social interaction such as group dynamics, setting personal goals, and the study of healthy lifestyle goals will encourage students to improve themselves both mentally and physically.

## **WORLD LANGUAGES**

### **FILIPINO 1, 2 (9-12) 2395, 2396**

#### **Meets "A - G" requirement**

This introductory course, open to all students who wish to learn Filipino, is intended to develop limited facility in each of the major communication skills: listening, reading, speaking, and writing. Major emphasis is on development of the ability to speak fluently with accurate pronunciation and intonation, while fostering an appreciation of the culture.

### **FILIPINO (TAGALOG) 3, 4 (9-12) 2397, 2398**

#### **Meets "A - G" requirement**

**Prerequisite** A grade of "C" or better in Filipino 1, 2.

Intended to develop limited facility in each of the major communications skills: listening, reading, speaking, and writing. Major emphasis is on development of the ability to speak fluently with accurate pronunciation and intonation, while fostering an appreciation of the Filipino culture.

### **FILIPINO (TAGALOG) 5, 6 (9-12) 2403, 2404**

#### **Meets "A - G" requirement**

**Prerequisite** A grade of "C" or better in Filipino 3, 4.

Intended to develop limited facility in each of the major communications skills: listening, reading, speaking, and writing. Major emphasis is on development of the ability to speak fluently with accurate pronunciation and intonation, while fostering an appreciation of the Filipino culture.

### **FRENCH 1, 2 (9-12) 2001, 2002**

#### **Meets "A - G" requirement**

The four language skills - listening, speaking, reading, and writing - are developed simultaneously. Emphasis is on oral communication and active classroom participation by the student. This course will cover essential vocabulary and basic grammar structures of the French language. Culture and civilization are also studied.

### **FRENCH 3, 4 (9-12) 2003, 2004**

#### **Meets "A - G" requirement**

**Prerequisites** A grade of "C" or better in French 1, 2.

Continuation of French 1, 2 with an introduction to more sophisticated verb conjugation and vocabulary development. Reading material is more complex and it offers deeper discussions about target cultures.

### **FRENCH 5, 6 (9-12) 2005, 2006**

#### **Meets "A - G" requirement**

**Prerequisites** A grade of "C" or better in French 3, 4.

In this course, both oral and written communication is stressed with a strong emphasis on vocabulary and grammar, including grammar review and continued study of more complex grammar, such as the imperfect, subjunctive, and the conditional. Numerous oral and written activities provide opportunities for students to apply newly acquired skills. Students are also encouraged to relate the material to their own experiences. Reading is taught through cultural and literary selections that build vocabulary and serve as stimulus for discussion. This class is conducted primarily in French.

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## **SPANISH 1, 2 (9-12) 2321, 2322**

### **Meets "A - G" requirement**

Spanish 1, 2 is an introductory course for the novice learner who has little or no prior experience with the language. Students will develop basic skills in listening, comprehension, speaking, reading and writing as well as develop an appreciation for the culture.

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## **SPANISH 3, 4 (9-12) 2323, 2324**

**Meets “A - G” requirement**

**Prerequisites** A grade of “C” or better in Spanish 1, 2.

A continuation of Spanish 1, 2, which introduces more complex structures and a wider range of vocabulary, including an introduction to Spanish terms used in the local job market to communicate with Spanish-speaking customers.

## **SPANISH 5, 6 (9-12) 2325, 2326**

**Meets “A - G” requirement**

**Prerequisites** A grade of “C” or better in Spanish 3, 4 and/or teacher recommendation.

Students continue to improve their speaking, listening, reading, and writing skills by listening to native speakers, various media presentations, and class discussions. Text includes more advanced structure and literature that will further students’ understanding of Spanish-speaking cultures.

## **HONORS SPANISH 7, 8 (9-12) 2307, 2308**

**Meets “A - G” requirement**

**Prerequisites** A grade of “B” or better in Spanish 5, 6 and/or teacher recommendation.

This course is intended to increase students’ proficiency in the four major language skills. Students will speak about everyday situations, current events, leisure, cultural contents; read articles from periodicals, short literary works, essays, and songs; write letters, summaries, articles, short stories and songs; and understand information from discussions, questions, and in-depth materials relating to shared interests. Great emphasis is placed on Spanish and Latin American music, cinema, and art.

## **AP SPANISH LANGUAGE 1, 2 (11-12) 2333, 2334**

**Meets “A - G” requirement**

**Prerequisite** Three consecutive years of Spanish with a grade of “C” or better.

This course is designed for students who wish to pursue the equivalent of a third-year, college-level Spanish course. Students will work intensively on improving the four major skills: listening, reading, speaking, and writing. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

## **AP SPANISH LITERATURE 1, 2 (11-12) 2339, 2340**

**Meets “A - G” requirement**

**Prerequisite** Three consecutive years of Spanish with a grade of “C” or better.

This course is designed for students who wish to pursue the equivalent of a third-year, college-level course in Spanish literature. Based on an analysis of literary works of five Spanish and Latin American writers. Most of the projects will be developed around the readings. Critical and creative writing are a fundamental component of the class. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

# 2013-2014 Course Offerings

## PRACTICAL ARTS

### CREATIVE COMMUNICATIONS

#### **AP PSYCHOLOGY 1, 2 (10-12) 6834, 6835**

##### **Meets “A - G” requirement**

Students are introduced to the systematic and scientific study of the behavior, thoughts, and emotions of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the five major sub fields within psychology. This is a year-long course that culminates with the AP exam. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

#### **ADVANCED PUBLIC SPEAKING (11-12) 1419, 1420**

##### **Meets “A - G” requirement**

**Prerequisite:** Writers Workshop and/or teacher recommendation.

An advanced continuation of Writers Workshop. Experiences are provided through competition in various California high school speech tournaments.

#### **WRITERS WORKSHOP (INTRODUCTION TO PUBLIC SPEAKING) 1745, 1746**

##### **Meets “A - G” requirement**

**Prerequisite** Designed to improve writing and speaking skills for personal and career reasons in a non-threatening atmosphere. Students will be introduced to creative and formal writing designed for speeches, interpretive readings and performances, congress, debate, storytelling, panel discussions, and research skills.

## FOODS

#### **CULINARY ARTS & MANAGEMENT 1-2 (11-12) 8760, 8761**

#### **CULINARY ARTS & MANAGEMENT 3-4 (11-12) 8762, 8763**

**ROP Prerequisite:** Must be 16 years old

##### **2 Hour Block Class**

A year-long, two-hour block course designed for students considering a career in the food service industry or for those who just want to impress family and friends. Plan, prepare, and serve exciting gourmet and ethnic foods while examining and eating foods of various cultures. Get connected with an internship and mentoring program in San Diego restaurants, which will enhance your resume. Students completing this course with a grade of A or B are eligible to earn community college credits.

#### **FOOD PREPARATION & NUTRITION 1, 2 (9-12) 1165, 1166**

Eat your way to better nutrition in this yearlong course. You will study proper food handling and preparation techniques, learn tips on purchasing fresh, nutritious foods at an economical price, become aware of various common eating disorders, and discover that healthy eating is not a difficult behavior to learn. Various methods of food preparation will be studied.

# 2013-2014 Course Offerings

## INDUSTRIAL TECHNOLOGY

### **INTRODUCTION TO ENGINEERING AND DESIGN 1, 2 (9-12) 3542**

**Meets “A - G” requirement**

**Prerequisite** Successful completion or current enrollment in Geometry 1, 2.

A one-hour, year-long, nationally affiliated course that fills the computer literacy requirement for graduation. Students learn about the principles of design engineering through competitive, open-ended projects. A 3-D computer-aided design program is used extensively.

### **PRINCIPALS OF ENGINEERING 1, 2 (11-12) 8847, 8848**

**Meets “A - G” requirement**

**Prerequisite** Successful completion of Algebra 2

**ROP Prerequisite:** Must be 16 years old

A one-hour, year-long course exploring Aerospace, Mechanical, Electrical, and Civil Engineering. Students gain real world experience and understanding through competitive design projects, i.e. a remote-controlled glider and battlebot robots. Computer applications, including 3-D AutoCAD, are used extensively. Students completing this course with a grade of A or B are eligible to earn community college credits.

### **ENGINEERING DESIGN & DEVELOPMENT 1, 2 (12) 8404, 8405**

### **ENGINEERING DESIGN & DEVELOPMENT 3, 4 (12) 8406, 8407**

**Meets “A - G” requirement**

**Prerequisite** A grade of "B" or better in ROP Principles of Engineering 1, 2 and teacher recommendation.

**ROP Prerequisite:** Must be 16 years old

A one-hour, year-long course providing seniors with an opportunity to enter local and national engineering competitions, i.e. Walk on Water sponsored by USD and the Rocket Team Challenge sponsored by AIA and First Robotics. Students completing this course with a grade of A or B are eligible to earn community college credits.

### **PROJECT LEAD THE WAY (PLTW) ENGINEERING PROGRAM**

Project Lead the Way (PLTW) and San Diego State University have a Memorandum of Understanding with local schools that offer Project Lead the Way engineering courses. This MOU guarantees admission to SDSU's College of Engineering if a student completes the following:

- Is registered with the PLTW Affiliate Institute by their junior year of high school
- Attains a 3.0 college-weighted GPA
- Applies to SDSU by the posted deadline (typically the end of November)
- Completes all CSU A-G course requirements including 4 years of math
- Completes at least two PLTW courses with a minimum grade of “B”
- Passes or clears the ELM (Entry Level Math Placement Test)
- Passes or clears the EPT (Entry Level English Placement Test)
- Has taken the SAT or ACT test
- Submits a portfolio of their engineering work by Jan. 31
- Applies for PLTW scholarships

### **COMPUTERIZED GRAPHIC DESIGN 1, 2 (11-12) 8511, 8512**

### **COMPUTERIZED GRAPHIC DESIGN 3, 4 (11-12) 8513, 8514**

**ROP Prerequisite:** Must be 16 years old

This course provides entry-and intermediate-level training in computerized graphic design. Students learn basic computer operations, employing page layout, illustration and photo-manipulation software; peripheral use, including scanners and plotters, and file-management integration. Instruction covers typography, design elements, color management, and hand-drawing techniques. The creative and technical process of project management also is taught, with an emphasis on concept-to-completion planning. 180 hours is needed to complete the course. Students competing this course with a grade of A or B are eligible to earn units of community college credit.

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## **SCREEN PRINTING (10-12) 8882, 8883**

**ROP Prerequisite:** Must be 16 years old

### **2 Hour Block Class**

**Students have only four opportunities to pass required safety test.**

This course provides professional training in screen printing production. Students learn all aspects of the process: software applications, design, screen preparation, and multi-color T-shirt and sticker printing. Students completing this course with a grade of A or B are eligible to earn units of community college credit.

## **GRAPHIC COMMUNICATIONS TECHNOLOGY 1, 2 (10-12) 3621, 3622**

**Students have only four opportunities to pass required safety test.**

This year-long course will introduce students to the field of graphic communications. Students will learn the design principles, layout techniques, and software pertaining to printing and vinyl applications. Students will design and print various media.

## **GRAPHIC COMMUNICATIONS TECHNOLOGY 3, 4 (11-12) 3623, 3624**

**Prerequisites** Graphic Communications Technology 1, 2 and teacher recommendation.

**Students have only four opportunities to pass required safety test.**

A continuation of Graphic Communications Technology 1, 2. Students will gain more in-depth knowledge of the graphic arts field. A professional approach will be taken in the areas of software applications, printing, screen printing, and vinyl graphics.

## **TRANSPORTATION TECHNOLOGY 1, 2 (11-12) 3671, 3672**

## **TRANSPORTATION TECHNOLOGY 3, 4 (11-12) 3673, 3674**

**ROP Prerequisite:** Must be 16 years old

### **2 Hour Block Class**

This course is designed for students interested in a basic overview of the entire automobile and an understanding of how each component system works. Students explore the nature and function of automotive machinery by working on automotive components and “live” vehicles. They are encouraged to develop salable skills, and continue to receive information relative to careers in the automotive industry. Precision workmanship and neatness are stressed. Special attention is given to the development of habits concerning safety and cooperative working relationships. Students completing this course with a grade of A or B are eligible to earn units of community college credit.