



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 Arts - 3 Semester credits

2 consecutive semesters of one world language and

1 semester of fine or practical arts

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) - 4 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. 9th grade students must pass the Fitnessgram state exam or retake Physical Education the following year

Social Studies – 6 semester credits

Grade 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

VALEDICTORIAN

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

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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. Government

AP Government 1, 2

B. ENGLISH (4 years required)

English 1, 2 (Regular, Cluster, or Seminar)

English 1, 2 ELD

English 3, 4

Honors English 3,4

English 3, 4 ELD

ELD 1, 2, 3, 4, 5, 6

American Literature 1, 2

Honors American Literature (Cluster or Seminar) 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/4 recommended)

Integrated Math I A, B

Adv Integrated Math I A,B

Integrated Math II A,B

Adv Integrated Math II A,B

Integrated Math III A,B

Adv Integrated Math III A, B

Pre-Calculus 1, 2

Honors Pre-Calculus 1, 2

Statistics 1, 2

AP Statistics 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

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 I A,B

AP Physics II A,B

AP Physics C 1,2

Biotechnology 1, 2

AP Environmental Science

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

Engineering Design and Development 1, 2

Public Speaking 5, 6

AP Psychology 1, 2

Financial Math

Economics 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.

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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.

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 or 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

Pre-Calculus 1, 2
Honors Pre-Calculus 1, 2
Mathematics 150,151
Intermediate Algebra 1, 2
Adv. Intermediate Algebra 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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ENGLISH LANGUAGE ARTS

ENGLISH 1, 2 (9) 1540, 1541

Meets “A - G” requirement: b

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: b

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: b

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: b

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.

HON ENGLISH 3, 4 (10) 1380, 1381

Meets “A - G” requirement: b

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

Students will develop an understanding and appreciation of literature and will grow in their abilities to respond to literature based on their own experiences. The writing process will be emphasized by the use of essay, research, and documentation as well as through creative writing. Students will proceed and move through all steps in the writing process. The following items will be refined and reinforced in their writing: research, spelling, grammar, and mechanics. Descriptive, evaluative, persuasive and informative essays will be developed by the students and creative and analytical thinking will be stressed.

AMERICAN LITERATURE 1, 2 (11) 1583, 1584

Meets “A - G” requirement: b

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.

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

Meets “A - G” requirement: b

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: b

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.

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

Meets “A - G” requirement: b

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.

EXPOSITORY READING AND WRITING COURSE (ERWC) (12) 1698, 1699

Meets “A - G” requirement: b

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.

AP SEMINAR (Year One of the Capstone Diploma Program) 4720, 4721

Meets “A - G” requirement: b

Prerequisite There are no prerequisites for this class, although it is recommended that a student be enrolled in (or have taken) at least one AP course.

The AP Capstone Seminar course is year-one of the College Board's AP Diploma Program. AP Seminar is an inquiry-based course that aims to engage students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Students are empowered to collect and analyze information with accuracy and precision in order to craft and communicate evidence-based arguments. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. For College Board credit the class has three performance tasks: a team project and presentation; an individual research-based essay and presentation; and an end-of-course exam, taken in May.

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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.

LITERACY ADVANCEMENT ACADEMY 1, 2 1682, 1683

Literacy Advancement Academy 1,2 is a one- or two-semester course offering extra support for students who are below or significantly below grade level in their regular grade 9 English courses, as determined by multiple measures, including standardized and classroom-imbedded assessments and teacher and principal recommendations. It is taught in addition to, not instead of, a student's regular English course.

This course is intended to help students achieve grade-level English language arts standards by providing them with additional opportunities to learn reading and writing strategies and to apply those strategies in a variety of authentic ways.

The instruction in this course supports the standards-based units of study the students complete in their English 1,2 course. The course approaches reading and writing as processes. Students receive explicit instruction on how texts work, and they analyze all types of texts identified in the standards: functional documents, expository prose, persuasive writing, narratives (both fiction and nonfiction), drama, and poetry. Students also develop their abilities to write (and revise and publish) in a variety of genres: biographical or autobiographical narratives, responses to literature, expository compositions, persuasive compositions, business letters, and technical documents.

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MATHEMATICS

INTEGRATED MATH I A-B 4157, 4158

Meets “A - G” requirement: c

Integrated Math I is the first of three high school–level courses that integrate algebra, geometry, trigonometry, and statistics under the Common Core State Standards. This course formalizes and extends the mathematics that students learned in middle school. This course includes much of the content of an Algebra I course as well as Geometry and Statistics.

ADVANCED INTEGRATED MATH I A-B 4165, 4166

Meets “A-G” requirement: c

Prerequisite: Completion of Accelerated Math 7 with a grade of B or better

Integrated Math I Advanced is the first course in the accelerated pathway to calculus. The course is designed for advanced grade 8 students. It includes the content of the standard Integrated Math I course ([Integrated Math I A-B](#)) plus an additional two units that will provide opportunities for students to begin working with the advanced + Common Core State Standards.

INTEGRATED MATH II A-B 4159, 4160

Meets “A - G” requirement: c

Integrated Math II is the second of three high school–level courses that integrate algebra, geometry, trigonometry, and statistics under the Common Core State Standards. This course focuses on quadratic expressions, equations, and functions while comparing their characteristics and behavior to those of linear and exponential relationships as encountered in Integrated Math I A-B.

ADVANCED INTEGRATED MATH II A-B 4167, 4168

Meets “A - G” requirement: c

Prerequisite Completion of Integrated Math I A-B Advanced with a grade of B or better

Integrated Math II Advanced is the second course in the accelerated pathway to calculus. The course integrates the Common Core State Standards as outlined in the mathematics framework with additional higher-level standards. The intent of the course is to prepare students for Integrated Math III Advanced. Students will be exposed to the content of the standard Integrated Math II course (Integrated Math II A-B) with the expectation that they will explore that content more deeply, including studying and analyzing conic sections and vectors and their relationships to complex numbers.

INTEGRATED III (10 – 12) 4163, 4164

Meets “A - G” requirement: c

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.

ADVANCED INTEGRATED III A-B (10-12) 4169, 4170

Meets “A - G” requirement: c

Prerequisite: Completion of Integrated Math Advanced II with a grade of B or better.

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.

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PRECALCULUS 1, 2 (12) 4161, 4162

Meets “A - G” requirement: c

Prerequisite: Successful Completion of Integrated Math III.

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: c

Prerequisites: A B grade or better in Integrated Math III Advance; recommendation of teacher and/or counselor.

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.

Financial Math 1-2 /0760-0762

Meets “A - G” requirement: g

Prerequisites: Satisfactory completion of three years of integrated mathematics

Mathematics & Personal Financial Literacy explores Saving & Investing, Credit & Debt, Financial Responsibility & Money Management, Insurance & Risk Management, and Income & Careers; Common Core Standards for Mathematical Practice as well as Algebra and Statistics/Probability standards are incorporated to increase fluency in personal finance and consumer awareness.

Coursework will integrate current research in finance, case studies modeling real-life scenarios, project-based learning exploring risk analysis, and opportunities to gain firsthand experience in specific career fields. Data represented in various formats will be explored, analyzed, and interpreted with use of mathematical reasoning and logic. Inferences and abstractions will be determined from these explorations in order to weigh the financial risk versus reward of different courses of action based on the various situation(s) presented. Students will communicate their learning through discussions, presentations, writing, and projects.

STATISTICS (12) 4046, 4047

Meets “A - G” requirement: c

Prerequisites: Satisfactory completion of three years of integrated mathematics

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.

AP STATISTICS 1-2 4055, 4056

Meets “A - G” requirement: c

Prerequisite: Satisfactory achievement in three previous, sequential years of math courses, and/or recommendation of the teacher and/or counselor.

In this non-calculus, college-level introductory course, students study descriptive and inferential statistics and take the Advanced Placement examination at the end of the year. The course provides students with the opportunity to continue their study of mathematics in an area other than calculus; it provides students who have completed calculus in their grade 11 year with an appropriate mathematics course for the grade 12 year. The course also provides students who will study the social sciences and humanities with a foundation course in statistics, which is required in almost every university and college.

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

Meets “A - G” requirement: c

Prerequisites: Pre-calculus 1-2 Honors or equivalent course; recommendation of teacher and/or counselor

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 BC (12) 4197, 4198

Meets “A - G” requirement: c

Prerequisites: Completion of Pre-Calculus and/or 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.

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SCIENCE

BIOLOGY 1, 2 (10–12) 6111, 6112

Meets “A - G” requirement: d

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: d

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.

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

Meets “A - G” requirement: d

Prerequisites: Integrated Math I A-B or equivalent

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.

CHEMISTRY 1-2 (10–12) 6211, 6212

Meets “A - G” requirement: d

Prerequisites: Integrated Math I A-B or equivalent

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: d

Prerequisite: Above-average achievement in previous science course(s) and in Integrated Math I A-B or equivalent; Physics 1,2 and Chemistry 1,2 recommended; concurrent enrollment in Integrated Math II A-B 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 safety precautions and hazardous waste disposal procedures. This course is intended to help students meet state science standards.

PHYSIOLOGY 1, 2 (11 –12) 6151, 6152

Meets “A - G” requirement: d

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

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scientists unite organisms into evolutionary groups. The biochemical functions of human systems are covered. Laboratory experience involves cat dissection.

PHYSIOLOGY 1,2 HONORS 6153, 6154

Meets “A - G” requirement: d

Prerequisite Biology (6111, 6112) with a grade of C or better; Chemistry (6211, 6212) with a grade of C or better

Successful completion of this course earns recognition of honors (i.e., weighted) credit by the University of California. Courses meeting UC criteria for honors designation must be comparable in workload and emphasis to Advance Placement, International Baccalaureate, or introductory college courses. A course syllabus, with laboratory activities, and a comprehensive final examination are required. Honors Physiology is designed for students who wish to investigate the structure and function of the human body through the study of homeostatic conditions. The course includes various dissections, such as a cat and other mammalian specimens. Emphasis focuses on statistics in physiology, buffer systems (acid-based chemistry), the integument system, muscular-skeletal movement, forensic anthropology, neurophysiology, cardio-fitness, human nutrition, and awareness of sexually transmitted diseases. Safety protocol is emphasized.

AP BIOLOGY 1, 2 (11–12) 6191, 6192

Meets “A - G” requirement: d

Prerequisites: Chemistry 1,2 **and** Biology 1,2, or equivalents; the commitment to succeed in rigorous AP content. Some students with high achievement in Chemistry 1,2 may qualify to take this as their first course in biology.

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.

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

Meets “A - G” requirement: d

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

AP PHYSICS I A, B 6349, 6350

Meets “A - G” requirement: d

Prerequisites Integrated Math I (4157, 4158) and Integrated Math II (4159, 4160); concurrent enrollment in Integrated Math III (4163, 4164); no prior coursework in physics is required

AP Physics I is the equivalent of an introductory, algebra-based college physics course. It replaces AP Physics B (6391, 6392), which the College Board has terminated. This course provides teachers with time to foster deep conceptual understanding through student-centered, inquiry-based instruction. Twenty-five percent of instructional time is spent in laboratory work. The course explores such topics as Newtonian mechanics; work; energy and power; mechanical waves and sound; and introductory simple circuits.

2019-2020 Course Offerings

AP PHYSICS - LEVEL B (12) 6393, 6394

Meets “A - G” requirement: d

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.

AP PHYSICS C 1,2 6393, 6394

Meets “A - G” requirement: d

Prerequisite: Successful completion of Pre-calculus 1-2, Pre-calculus 1-2 Honors, or concurrent enrollment in calculus or another higher-level mathematics course.

This course is the equivalent of a college-level physics course that provides a foundation for college students who will major in the physical sciences or engineering. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. The course is more intensive and analytical than AP Physics B. The subject matter of the Physics C course is mechanics and electricity and magnetism, with approximately equal emphasis in the two areas. Students successful in this course will be prepared for the Advanced Placement Examination in Physics, Level C. Students scoring 3, 4, or 5 on the examination may earn college credit. All enrolled students are expected to take the AP test.

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

Meets “A - G” requirement: d

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.

BIOTECHNOLOGY 3,4 8730, 8731

Prerequisite: Biotechnology 1,2

These two-semester CTE courses provide preparation for advanced training in biotechnology services. They consist of laboratory-based classes that integrate the core competencies of the health sciences career path of the life and physical sciences with the technical skills needed for postsecondary education and/or employment in the biotechnology industry. This course is designed to reinforce core academic content areas and the curriculum standards of the California Career Technical Education model in a relevant, applied setting, appropriate to the subject and grade level.

AP ENVIRONMENTAL SCIENCE (12) 6455, 6456

Meets “A - G” requirement: d

Prerequisite: Biology 1, 2 and Chemistry 1, 2,

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.

2019-2020 Course Offerings

SOCIAL SCIENCE

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

Meets “A - G” requirement: a

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: a

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: a

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: a

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: a

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: a

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.

2019-2020 Course Offerings

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

Meets “A - G” requirement: a

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: a

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

Meets “A - G” requirement: a

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

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: a

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.

2019-2020 Course Offerings

WORLD LANGUAGES

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

Meets “A - G” requirement: e

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: e

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: e

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: e

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: e

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: e

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.

2019-2020 Course Offerings

FRENCH 7-8 HONORS 2033, 2034

Meets “A - G” requirement: e

Prerequisite: French 5-6 with a grade of C or higher; recommendation of teacher

French 7-8 Honors is a highly rigorous course designed for students who have successfully completed French 5-6 and wish to continue their language studies with the goals of:

- Passing the SAT subject test in French with a score of 450 or higher
- Preparing to enroll in French Language 1-2 Advanced Placement
- Studying French language and literature at an advanced level

This college-level course requires extensive reading of literature and academic writing beyond what would be expected in the standard French 7-8 course. This accelerated program is both contextually rich and cognitively demanding. The course uses a communicative approach that provides opportunities for students to use the second language appropriately in a range of authentic social and academic contexts and for a variety of purposes. There is an emphasis on research and academically challenging oral projects. Through the study of a variety of texts selected for this course, students will develop critical thinking skills and enhance their cultural perspectives of diverse peoples around the world.

AP FRENCH LANGUAGE 1-2 2013, 2014

Meets “A - G” requirement: e

Prerequisite: French 5-6 or higher; B average or higher; recommendation of teacher

This course is designed for students who wish to pursue the equivalent of a third-year college-level course in advanced composition and conversation. Course content reflects intellectual interests shared by students and teacher in the arts, history, current events, literature, culture, and sports. The course stresses oral skills, composition, and grammar and emphasizes the use of language for active communication. Language skills are applied to various activities and disciplines rather than to the mastery of any specific subject matter. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement language course. Multicultural awareness is developed.

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

Meets “A - G” requirement: e

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.

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

Meets “A - G” requirement: e

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: e

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.

2019-2020 Course Offerings

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

Meets “A - G” requirement: e

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, and 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: e

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.

2019-2020 Course Offerings

PHYSICAL EDUCATION

PHYSICAL EDUCATION 5503, 5504 / 5701, 5702 / 5703,5704 / 5705, 5706

Note: All 9th grade students must enroll in Physical Education. All 9th 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 - 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.

PHYSICAL EDUCATION - WEIGHT TRAINING (11-12)

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.

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.

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.

2019-2020 Course Offerings

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 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.

2019-2020 Course Offerings

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.

2019-2020 Course Offerings

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 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.

2019-2020 Course Offerings

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.

2019-2020 Course Offerings

ELECTIVES

AP ART HISTORY 1,2 0381, 0382

Meets “A - G” requirement: f

This course is designed to prepare students for the Advanced Placement Examination for college credit. Through slide-illustrated lectures, field trips, discussions, and participation in special projects, students will explore the themes that have impelled artists to be creative. The course will present a historical as well as an analytical approach to art and its place in Western and non-Western civilizations through an in-depth, discipline-based approach to art.

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

Meets “A - G” requirement: g

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.

AP STUDIO ART, 2-D DESIGN EMPHASIS PHOTO 1, 2 0367, 0368

Meets “A - G” requirement: f

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.

AP STUDIO DRAWING AND PAINTING, PORTFOLIO 1, 2 (11-12) 0377, 0378

Meets “A - G” requirement: f

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.

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

Meets “A - G” requirement: f

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.

2019-2020 Course Offerings

EDGENUITY/CREDIT RECOVERY 8155

Prerequisite Entrance to the CRP is determined by the counselor and/or a MMHS administrator. Some considerations include:

- One or more years behind age group in number of credits attained
- Failing 1+ classes
- Has been retained two or more years
- Exhibits excessive absenteeism
- Achieves less than a 2.0 GPA
- Is in a grade that is age-inappropriate (i.e. is seventeen in the ninth grade)
- Has difficulty performing in the traditional classroom
- Students who are at risk of dropping out, or a returning dropout

The Credit Recovery Program is a standards-based digital curriculum designed to provide extensive support for students in credit recovery in math, science, social science, English and select elective classes. Lessons provide differentiated instruction to enable all students find academic success.

BROADCAST JOURNALISM 1, 2 (10-12) 8432, 8433 Marauder 5

BROADCAST JOURNALISM 3,4 (11-12) 8434, 8435 Update

Meets “A - G” requirement: g

ROP Prerequisite: Must be 16 years old

Prerequisite: Successful completion of Video Production 1, 2, 3, 4 and Multimedia Production 1, 2 and teacher recommendation.

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.

CERAMICS 1, 2 (12) 0231, 0232

Meets “A - G” requirement: f

Prerequisite: Must be a 12th grader

Discover the joy of creating with clay. Make great projects the first semester while learning the techniques...mugs, boxes, dino eggs, fartsos, 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.**

CHOIR 1, 2 (5050, 5051)

Meets “A - G” requirement: f

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.

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

Meets “A - G” requirement: f

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.

2019-2020 Course Offerings

COMPUTER ANIMATION 1,2 3639, 3640

Meets “A - G” requirement: f

Computer Animation 1, 2 introduces students to the basic concepts of three-dimensional virtual environments using knowledge they have acquired in other subject areas, such as physics and mathematics. Students learn basic animation and lighting techniques, how to construct and place basic objects in a virtual environment, and how to storyboard a project. They use up-to-date industry software to produce their 3-D animations to be displayed in student-produced games, websites, and video projects. This hands-on class is designed to prepare students for possible careers in the field of computer animation. This course reinforces core academic content area and California Career Technical Education model curriculum standards in relevant, applied setting, appropriate to the subject and grade level. This course is part of the Media and Design Arts pathway.

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

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

Meets “A - G” requirement: f

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.

Computer Science Principles 1,2 AP (HP) (4463, 4464)

Meets “A - G” requirement: d

This course is designed to provide a broad overview of computer science that will develop computational thinking practices and creativity. Students will examine the practical and ethical impact of advances in computing on people and society. They will also learn how to analyze a problem and create a digital artifact in environments such as Alice, Python, and AppInventor. By the end of this course, students will be able to critically analyze computing innovations, as well as create applications that express their interests.

CONCEPTS IN HOSPITALITY AND TOURISM 1,2 8481, 8482

Meets “A - G” requirement: g

Prerequisite: Hospitality Introduction 1,2 or Food Preparation and Nutrition 1,2

This course provides entry-level preparation for advanced training in the Hospitality, Tourism and Recreation industry sector.

Instruction provides overviews of the following industries: hospitality/

tourism, lodging, food and beverage, recreation and leisure, and travel. Other areas covered include, guest services, event planning, management, ecotourism, food safety and sanitation, all aspects of industry labor laws, workplace and job-acquisition skills, and safety. Students will be awarded competency certificates upon successful completion of the course. Internships opportunities are also part of the curriculum. This course is designed to reinforce core academic content areas and the curriculum standards of the California Career Technical Education model in a relevant, applied setting, appropriate to the subject and grade level.

DESIGN IN MIXED MEDIA 1,2 0244, 0245

Meets “A - G” requirement: f

This course introduces students to the elements and principles of design that are part of the common core of knowledge and the foundation for understanding and creating fine art. The course provides students with practical experience in production of two- and three-dimensional design art work in various media, including clay, fiber, papier mâché, printmaking, etc.

2019-2020 Course Offerings

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

Meets “A - G” requirement: f

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.

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

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

Meets “A - G” requirement: g

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.

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.

FOUNDATIONS OF TRANSPORTATION 1,2 3709, 3710

Foundations of Transportation is an introductory automotive technology course for the Transportation industry sector's Systems Diagnostics and Service career pathway. It focuses on three concentration areas of the 2012 National Automotive Technical Education Foundation (NATEF) standards—engine systems, manual transmissions, and automatic transmissions. The course qualifies for NATEF accreditation, and students are encouraged to take the Auto Service Excellence (ASE) examination upon course completion.

INTERMEDIATE BAND (9-12) 5320, 5321

Meets “A - G” requirement: f

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.

INTRODUCTION TO DESIGN 1,2 (Engineering) 3657, 3658

Meets “A - G” requirement: f

Introduction to Design is a foundation course in PLTW's engineering pathway of courses. It utilizes the same curriculum as Introduction To Engineering Design I 1,2, but includes supplemental units of instruction and projects that address the five strands of the state Visual and Performing Arts content standards.

INTRODUCTION TO FABRICATION & DESIGN 1, 2 (1st year tech theatre course) 3591, 3592

Meets “A - G” requirement: f

This two-semester course combines elements of design with the proper use of power and hand tools to create original works of art. It is intended to serve as a foundation course for the three career paths of the Arts, Media, and Entertainment industry sector of courses. The focus of the course is on developing public art, using materials such as metal, wood, and ceramic. Students will develop projects to install at their schools using tools, techniques, and processes from the fabrication and sculpture fields.

2019-2020 Course Offerings

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

Meets “A - G” requirement: f

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: f

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.

NUTRITION 1,2 (1167, 1168)

Meets “A - G” requirement: g

Prerequisite: Foods Preparation and Nutrition 1,2

This course is an intermediate course for the Hospitality, Tourism and Recreation industry sector program of study. In this course students analyze the principles of nutrition as related to optimum health throughout life, and develop a rationale for food choices that promote health and wellness for a variety of individual needs. Career opportunities in the field of nutrition are also explored. This course is designed to reinforce core academic content areas and California Career Technical Education model curriculum standards in a relevant, applied setting, appropriate to the subject and grade level.

ORCHESTRA (SENIOR HIGH) 1, 2 (9-12) (STRING ORCHRESTRA) 5335, 5336

ORCHESTRA (SENIOR HIGH) 3, 4 (9-12) (STRING ORCHRESTRA) 5337, 5338

Meets “A - G” requirement: f

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.

PHOTOGRAPHY 1,2 3691, 3692

Meets “A - G” requirement: f

Students acquire the ability to complete all of the processes involved in taking various kinds of photographs and producing finished prints. Understanding of the principles of good composition and of the application of photographic principles to industrial processes is stressed. This course uses advances in photographic technology to produce and to display digital photos. Students develop interests and abilities in photography to the point that they have a good foundation for an avocation. Consideration is given to the career opportunities photography opens. This course reinforces core academic content area and California Career Technical Education model curriculum standards in relevant, applied setting, appropriate to the subject and grade level. This course is part of the Design, Visual, and Media Arts pathway.

2019-2020 Course Offerings

PHOTOGRAPHIC IMAGING 1,2 8105, 8106

Meets “A - G” requirement: f

Prerequisite: Photography 1,2; or teacher assessment

This course provides advanced training in digital photography and includes instruction in composition and color dynamics in the field of digital media. The course focuses on the communication of ideas through photography, as well as light and environmental controls. Students use digital cameras, scanners, computers and high-end printers to produce projects related to the industry. Training in the use of specialized software for photo editing and image manipulation is incorporated into the instructional plan. This course is part of the Design, Visual, and Media Arts pathway. Paid and unpaid internships are part of the course curriculum. This course is designed to reinforce core academic content areas and the curriculum standards of the California Career Technical Education model in a relevant, applied setting, appropriate to the subject and grade level.

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

Meets “A - G” requirement: f

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.**

PRINCIPALS OF ENGINEERING 1, 2 (10-12) 8847, 8848

Meets “A - G” requirement: g

Prerequisite Successful completion of Integrated Math I A, B, Integrated Math II A, B and Introduction to Design 1, 2

ROP Prerequisite: Must be 16 years old

This Project Lead the Way course helps prepare students for post-secondary education. The course helps students understand the fields of engineering and engineering technology. Students explore various technology systems and manufacturing processes, which helps them learn how engineers and technicians use mathematics, science, and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences of technological change. Students use computers, measuring instruments, testing equipment, and computer-controlled automation equipment.

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

SCREEN PRINTING (10-12) 8882, 8883

2019-2020 Course Offerings

Meets “A - G” requirement: f

CCTE 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.

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.

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.

TECHNICAL THEATRE 1, 2 (2nd year tech course) (9-12) 1413, 1414

Meets “A - G” requirement: f

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 (3rd year tech course) (9-12) 1462, 1463

Meets “A - G” requirement: f

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.**

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

Meets “A - G” requirement: f

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.**

2019-2020 Course Offerings

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

Meets “A - G” requirement: f

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.**

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

Meets “A - G” requirement: f

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: f

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: THE MUSICAL 1,2 1411, 1412

Meets “A - G” requirement: f

Prerequisite An audition with a prepared song; ability to carry a melody.

This two-semester 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.

THEATRE: THE MUSICAL 3,4 (1453, 1454)

Meets “A - G” requirement: f

Prerequisite Theatre: The Musical 1,2

This course provides students with a second year of study in musical theatre. Topics include audition techniques, musical theatre history, performance preparation and presentation, and show selection and design. Students who take this course will participate in individual and ensemble performances on a regular basis.

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.

2019-2020 Course Offerings

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

Meets “A - G” requirement: f

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.

VIDEO PRODUCTION 3,4 8375, 8376

Meets “A - G” requirement: f

Prerequisite: Video Production 1,2

This course develops student skills in video production. Areas of emphasis include scriptwriting, equipment operation, studio and remote production techniques, on-camera oral communication skills, critical television viewing, and occupational opportunities in video.

WIND ENSEMBLE 1, 2 (9-12) 5133

Meets “A - G” requirement: f

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.

YEARBOOK 1, 2 8277, 8278

This course provides individual specialized training and production work in publishing the school yearbook..