Intro to Technology (K7658) Students in this class are exposed to some of SDA’s wonderful electives. In one semester each student spends 3 ½ weeks in these classes: Woodworking, Photo Arts, Theatre Arts, Studio Arts, and Computer & Information Technology. In most classes students complete fun and creative projects in a hands-on environment.

ROP Auto Technology (K7502) This class is designed as a basic course in automotive service, maintenance and repair. It is also an introductory class for those interested in a career in any mechanical field. The course content includes automotive safety, tool use and safety, automotive maintenance, minor service techniques including checking of fluids, lubrication, battery service, cooling system service, wheel, tire & suspension service, brake service, and performance of the minor electrical tune-up. Hands-on experience with tools, lifting equipment, service equipment, test equipment, and automotive components is included. Daily access to a car is helpful. Upon completion, students are eligible for up to 6 units of college credit at Mira Costa Community College.

ROP Auto Engine Performance (K7501) This course takes a more in-depth look at automotive and engine systems. In addition to many of the concepts covered in Automotive Technology, we will be looking closely at how and why engines are built, and the advantages of proper maintenance. There is no pre-requisite for this course, but it is preferred that you have taken Auto Tech, have your license, and access to a car on a daily basis. Upon completion, students are eligible for up to 6 units of college credit at Mira Costa Community College.

Metal Technology 1 (K7561) This hands-on fun elective is where you’ll get to make all kinds of projects out of metal. Once you learn the basics you can specialize in projects of your choice; from rings to car bumpers to skateboard rails; your creativity is the only limit. There is a dedicated area for jewelry making and all new welding machines. Students taking this class are qualified to be on the “build division” of the Robotics Team and will be much better prepared to start an engineering major, fabrication career, jewelry or art career path.

Metal Technology 2 (K7562) This class will build on all skills learned in Metals 1 and allow time for custom projects. New projects will include advanced machining projects, precious metal clay for jewelry, glass bead making, bronze casting using lost wax and silicone molds, advanced computerized milling, art sculptures, off road accessories and many more.

ROP Welding and Metal Fabrication (K7503) In this fun and exciting class you’ll learn every major welding process there is and get the chance to complete many small and large projects of your choice. Most students will become certified in at least one type of welding process. This class will develop skills related to engineering, precision measurement, welding, fabrication, weld testing, cutting, and bending metal. Upon completion, students are eligible for 3 units of college credit at Mira Costa Community College.

Robotic and Engineering Technology (K7673) Are you interested in engineering, computer aided design, prototyping, fabricating what you design in metal, and learning about robotic technology? This class will spend about 8 weeks in a computer lab creating 3D designs for robots with Solidworks software and then move to the metal shop to focus on fabricating the robot designs made on the computer. Skills taught in the metal shop will include layout, fabrication techniques, advanced machining, computerized milling, and gas tungsten arc welding. Students in this class will be highly qualified to participate in the Robotics team, but Robotics team participation is not required to be in the class.

Wood Technology I (K7571) Imagine a world without trees. Learn to appreciate wood as a material intertwined with your life. In this exciting course you will learn to make wood projects
from rough lumber to final products. The skills taught can be applied to everyday life or if you choose, may be a basis for career exploration in the wood products industry.

**Wood Technology II** (K7573) Woodworking II is a fast paced course designed to build on the skills taught in wood tech I. In the course, students will be required to build a project with a door and a drawer. Exploration in advanced processes are also a possibility, such as dovetail construction, finger joints, and mortise and tenon.

**ROP Guitarmaking** (K7620) Do you want to become the next Paul Reed Smith? Learn basic as well as advanced techniques in the trade. Students will master traditional woodworking tools while making an electric guitar from raw materials. The class will also have access to computer-aided routers to complete various advanced processes including routing neck cavities, pickup cavities, and inlays. Finishing difficult woods will also be addressed.

**ROP Screen Printing** (K7516) Prepares students for entry-level positions in project planning, copy preparation (Adobe Illustrator and Photoshop), screen preparation, stencil making, printing, and sales. Due to recent advances in screen printing technology, screen printing is becoming very commercialized. These breakthroughs have allowed screen printing to compete on a large scale with other processes. Productive, challenging careers are growing in the screen printing field at a growing rate.

**Digital Photography** (K7660) Welcome to the magical world of digital imaging! In this class we create works of art using the tools of digital photography: digital SLR cameras, computers, Adobe Photoshop, and ink jet printers. We will learn how to see and create by studying past masters of photography and their techniques, by evaluating our own work and the work of our classmates, and by connecting our unique vision to culture and history. We work on project-based, interpretative assignments in a creative environment to refine our own artistic expressions.

**Photo Tech II** (K7662) If you have already taken a photo class, you know how much fun you will have learning even more creative and advanced photographic techniques. We will use both the darkroom and digital imaging technologies to advance and refine our personal styles. We will also each create our own photo business and learn to work with clients, fulfilling their needs with our own creative and unique visions.

**ROP Photo Imaging P** (K7518) Explore the world around you! This is a creative, hands-on class where we learn a variety of innovative and artistic techniques. We have fun while developing new photographic skills utilizing both the traditional darkroom and new digital technologies. We also gain skills for a future career while sharing ideas with a team, taking chances, and making better MySpace and Facebook photos too!

**Architectural Design P** (K7670) Are you interested in a career as an architect, interior designer, landscape designer, engineer, or model maker? This course will introduce key aspects of architectural design and students will ultimately create several structures that incorporate styles of the past and present. In this class you can experiment with your design, see it in 3D with the computer, and even fly through it virtually. Tools will include the latest computer aided design software, pencils, charcoal, pen, watercolor and model making supplies. Hand drawn renderings and scale models of your house will also be created. This class meets UC/CSU Visual and Performing Art “F” requirement. All students will enter at least their main project in the San Diego Fair and receive 4 credits of Mira Costa credit with a grade of B or better.
**Business and Computer Technologies**

**ROP Computerized Graphic Design** (A7515) This course provides training in computer use with desktop publishing software InDesign, Photo Shop and Illustrator (Adobe software). Employment possibilities include in-house publication art director, computerized graphics/design practitioner and multimedia technician. Instruction covers the following areas: page layout, object-oriented, drawing programs, bit-mapped paint programs. Students use equipment which includes: Windows or Macintosh based computers, flatbed scanners, digital cameras, and color laser printers. (Must be 16 years old.)

**ROP Computer Game Design:** (A7507) Learn about computer game manufacturing and design with basic to advanced computer system management and evaluations of current and upcoming games/designs. You will be creating characters in 3D modeling programs and building games from the ground up.

**TV/Broadcasting** (A7557) Come be a part of SDA's live TV show. Learn how to script, film, edit, and run a production studio. Students get to use state-of-the-art video equipment to create packages for the live show. Also, guest speakers come talk to the class about their experience in the industry and help students publish their work.

**Business Math** (A7582): This course is appropriate for students wishing to acquire practical entry-level business mathematics skills used in everyday life. Students will learn how to start up a small business and write a business plan to get funding for their business. The course includes information on investments, financial planning, insurance, loans, payroll, banking and taxes. Math applications for personal and corporate finance are emphasized.

**ROP Business Management & Ownership** (A7550) This course provides an entry level introduction to creating, managing, and owning a business. The primary focus of this class will be the creation and management of a student-run business in the Mustang Center at SDA. Students in the class will create the business from scratch and run the business. Students will learn:

- Factors in choosing a business
- Market research to determine what type of business will be successful
- Local, state, federal business requirements
- Preparation of a business plan
- Labor laws, hiring, employee management
- Financing a business
- Advertising and marketing
- Accounting & bookkeeping
- Management and operations
- Merchandising & product development

This course would be of interest to students wishing to gain experience creating and running a for-profit retail business. Related career areas would be entrepreneurship, business owner, business management, marketing/advertising, accounting, sales, finance, culinary arts, human resources. Upon successful completion of course competencies, students will receive a Certificate of Competency in Business Management & Ownership and (or) **5 high school elective credits.**
**English**

**Yearbook** (E1655) Earn your license to lurk. Work on *The Hoofprint*, SDA's award winning yearbook. Photograph people, make new friends. Record passers-by. Write fun-filled copy. Live in the halls. Learn more about the school in this year long course than you ever thought possible. Burn the midnight oil during deadline nights. Eat pizza. Win awards at national conventions. InDesign like a pro graphic designer. Make your own high school memories while recording everyone else’s.

**Journalism I** (E1651) Being a reporter is like having a backstage pass to life. Open some doors for yourself and learn to write for a newspaper, do graphic design and desktop publishing, help on The Mustang and put out your own paper at the end of this semester class. If you’re looking to position yourself for college, journalism shows the kind of academic involvement that will make you stand out from the thousands of other applicants. Previous editors have gone on to Harvard, Berkeley, Brown, Amherst, Northwestern, NYU, BYU, UCLA, UCSD, UCSC, UCSB and Chico. From a personal standpoint, it’s fun and you don’t get sweaty and you don’t have to speak in front of crowds.

**Advanced Journalism P** (E1652) Meet girls. Meet guys. Meet deadlines. Work on The Mustang staff. The yearlong class is devoted full time to publishing the school paper. Ask impertinent questions, write pointed articles, edit unnecessary and superfluous adjectives, do graphic design, take photos, sell adds, attend conventions in distant cities, burnish your college application and eat Today’s Pizza.

**Speech and Debate** (E1662) Would you like a second family? Would you like to learn how to do research and raise your chances of getting into the college of your dreams? Would you like to have tons of fun while debating at tournaments on weekends? Then Speech and Debate is for you! In this fast-paced, intense class you will learn to debate with such skill that even your parents won’t be able to win an argument!

**College Application Seminar** (E1950) The College Application Seminar class is dedicated to helping students create the best college application possible and preparing students for the transition to college. Students will have time to research colleges, explore majors and careers, fill out applications, and find money and scholarships to pay for college. Students will be able to get any questions about applying to college answered, such as how to respond to college application questions, how to make yourself look like an attractive applicant, and how to write the best college essay possible. The second half of the course will focus on handling roommates, time management, study skills, and finances for the first year college student. As well, the course will help with housing applications and choosing the best fit school for when you are accepted to more than one college. This is a great class to take if you want to get ahead on your college applications, or if you feel like you would need some assistance when filling out applications.

**Creative Writing P** (E1653) Do you love to write? Do you feel constrained? Do want to meet other people with a similar passion? Then take Creative Writing! This will primarily be a workshop course, in which you will work on several extended pieces and share them with your peers for feedback. While we will do some creative writing exercises and activities as a class, the majority of your effort and time will be spent developing your own work in any genre (fiction, poetry, plays, screenplays, creative non-fiction). We will also discuss and discover avenues of publication (writing contests, student anthologies, careers in writing).

**Fiction & Film P** (E1658) Students will watch movies, discuss movies, analyze movies, and interpret movies.
**Academic Literacy (E1751)** Students learn and practice problem-solving strategies for improving their reading and comprehension of texts. Students leave the class with improved vocabulary as well. Our classroom conversation is about how each of us reads differently, why we read, and how we make sense of the text we read in other classes. We practice reading strategies while we read a wide variety of texts—recreational and academic—such as newspaper articles, poetry, self-selected books for reading pleasure, and excerpts from the writings of Malcolm X, Frederick Douglass, Sandra Cisneros, and Richard Rodriguez. Class members draw on each other’s knowledge, as we make sense of text together. This course is designed for students whose home language is not English.

**AP English Lang/AP US History (SK064E & SK065U) Advantages:**
- **More Time:** Students have 8 months instead of 5 (fall semester) or 3 (spring semester) to develop their skills and to learn information before the AP Exam in May.
- **No time gap between classes and the AP Exams:** Students will be enrolled in both classes all of the way up to the AP Exam date. If students are enrolled in these classes in the fall, their classes will end three months before the May exam date. Research shows that students are significantly more successful on these high stakes exams if they take them while they are still enrolled in the course.
- **Enhanced Learning and Reduced Stress:** Students will benefit from the collaboration between their liberal arts teachers, who will work to coordinate assignments and skill building activities so that there is more synergy between these classes, less redundancy in terms of instruction and less stress for students.

Students will be enrolled in AP English 11 and AP US History for an entire year. Both of these classes will be scheduled during the same period and students will attend each class on alternating days. For example, if this year long class is scheduled for second period, during second period on the first day, the student attends English class. During second period on the second day, the student attends history class.

We believe that this option is a beneficial one and look forward to working with the students that are interested in this model.

**Home Economics**

**ROP Culinary Arts (H7512)** Do you like to cook? This is an entry-level course designed to provide an introduction to the art of food preparation and the skills of hospitality and food service. You will learn how to plan, prepare, cook, and enjoy the culinary creations you make in the classroom. Particular focus will be on developing the cooking skills and knowledge necessary to successfully create a wide array of cuisines.

**ROP International Foods (H7518)** This advanced foods course places emphasis on culinary skill improvement and provides a more challenging hands-on experience for the student that loves to cook. The course will take you on a journey of International Foods as we explore cuisines, customs and cultures from around the world. Completion of **ROP Culinary Arts** required for enrollment.

**Interior Design (H7522)** Learn how to create living environments that reflect personality and creativity as well as meet practical needs. Students explore the elements that enhance homes: design principles, color theory, space planning, furniture styles, and use of accessories; then, students apply those elements to create several actual interior designs for themselves and for various “clients” with varied budgets.

**Mustang Courses**

**AVID (Advancement Via Individual Determination) (Y8661)** A national program, this college preparatory program is for students in the middle who are often economically disadvantaged
and underachieving. It enables disadvantaged secondary students to succeed in rigorous curricula, enter mainstream activities in school, and increase their opportunities to enroll in four-year colleges. This program is for students who WANT to realize their goals of going to college. Contact Blaze.Newman@sduhsd.net for an application.

**Internship** (A7524) Having an Internship class experience is a great learning opportunity and transition from the classroom to a career pathway. It allows students to engage in hands-on and minds-on experiences in a real-world work environment as part of their school day. Students meet on campus once a week and arrange and participate in a sustained mentored relationship with a business and industry placement. It’s a great way to gain insight into a potential career or college major and a successful internship looks great on a resume or college/university application. A successful internship can also provide students with an impressive employment reference!

**ASB (Leadership)** (Y8682) ASB is not just a class, it is an experience. Within the leadership class, students are encouraged to step out of their comfort zones by public speaking, delegating tasks and organizing events geared towards entertaining hundreds of their peers, they also plan a majority of SDA’s school wide events. Homecoming week, Battle of the Bands, Exhibition Day, Winter Formal and Prom are just a few of the things executed in Leadership. Students come together as a class to unite the school and create an unforgettable high school experience.

**PALS (Peer Assistance Listeners)** (Y8680) This training program teaches interpersonal skills and allows students to help fellow students at the same time. Students must apply and interview prior to acceptance into the program. A commitment is required as some training before school starts in the fall. Students are enrolled in the PALs homeroom as well.

**Peer Tutor** (Y8691) This course offers upperclassmen the opportunity to share their knowledge and experience by working directly with other students in support of their learning. Tutors receive training about effective strategies and advice when working with fellow students. Tutors are assigned to classrooms in support of English, math and other core subject areas.

**Individual Learning Project** (y8689) This class will be offered to Juniors and Seniors who would like to explore an area for which they have great passion. Students will propose a project for approval and spend the semester working towards a final product and paper to be presented to a panel of experts. In taking this course, students will gain a deeper understanding of their chosen area, establish skills to work independently towards a goal and engage students in the broader community.

**Physical Education**

**Weight Training** (P0575) Weight training is a class where all students can train to achieve their individual goals. We have all kinds of equipment that makes that possible. We stretch, walk, and train each day. We train our midsections (belly busting) one day each week. This class is for EVERYONE! A great way to get fit and stay fit!

**Yoga** (P0576) Yoga is a positive PE experience! Students learn basic & traditional Hatha Yoga practices along with core work using light equipment and Pilates. Relaxation techniques are also included. This class is perfect for students who are interested in benefiting from a greater range of motion, core strength, and deeper self awareness. **Recommendation: Year One PE**

**Surf PE** (P0573) Off Campus. Learn to surf at D Street or Cardiff reef. Lessons for beginning, intermediate, to professionals. Free surf to competition style. You will also learn lifesaving training, ocean safety and emergency first aide. Must have own transportation.
Skateboard PE (P0571) Off Campus. SK8 at the YMCA skate park. Learn novice, intermediate and expert levels in street and competition half pipes, vert, bowl, ramps, rails, boxes, hips etc. Requirements: safety gear, helmet, elbow and knee pads, own transportation.

Dance Choreography P (B6691) Are you a dancer? Use your skills and experience to choreograph original dances in Dance Choreography. Dance Choreography students showcase their semester’s work in an end-of-the-semester Dance Show presented to SDA students, staff and families. 
Prerequisite: Year One PE

Soccer PE (P0596) Play soccer arena style at the YMCA. Both boys and girls are welcome. Must have own transportation.

Athletics PE (P0662) Grades 10-12 only
Students may earn a total of 10 credits (5 credits per season) for participation in a school sponsored CIF interscholastic athletic program carried on wholly or partially after regular school hours. Students enrolled in Independent Study PE who participate in their sport as a regular PE class, are not eligible for this credit. The student must successfully complete the season in order to receive credit. Approved contract MUST be on file prior to the start of the season.

ISPE Independent Study PE (P0660) This class requires personal accountability and maturity. Students are responsible for fulfilling all of the requirements of the ISPE contract available on line at the athletics web site.
ISPE is currently offered for the following criteria (1) exceptionally gifted, state or regionally ranked athletes,(2) students wishing to take an advanced level in a course we are not currently offering, (3) students who have restricted schedules such as AVID,(4) students with medical conditions.

ISMPE Independent Study Music PE (P0661) All SDUHSD students enrolled in school sanctioned music classes are eligible for “Independent Music P.E.” (ISMPE) credit. “Independent Music P.E.” is administered by music teachers at each site. Students must be enrolled in school sanctioned music programs, in order to be eligible to enroll in “Independent Music P.E.”

Life Science
Please note: Students must take one term (2 quarters) of a life science and one term (2 quarters) of a physical science to graduate. Any course above that amount is an elective.

Marine Biology (R4559) From the smallest plankton to the largest whales, embark upon a journey to the world of marine biology by exploring the environments of the deep ocean, open ocean, kelp forests, coral reefs, tide pools, rocky shores, sandy beaches and salt water marshes. Learn about the organisms living in them. What makes them tick? What adaptations make them so successful? What impacts them and what can we learn from them? Come join in the discovery! This non-college preparatory science class fulfills high school graduation life science requirement.

Biology I P (R4562) Biology is an action packed course in life. Biology studies the processes and functions of all living things. We perform labs almost constantly. Major projects in this course feature the dissection of a fetal pig (with a partner, you get to wear gloves, and we use lots of air freshener), genetics, science projects, and debates on current controversies in biological science. Prerequisite: Algebra, C or better & passing middle school science or Earth & Space.

AP Biology (R4571) Recommended: completion of Biology, Chemistry and enrollment in AP Environmental Science. AP Biology, is an advanced life science course that is offered only in the fall term. It provides students the opportunity to pursue and possibly receive credit for
college-level course work. The course is intended to be the equivalent of a freshman university level biology course that focuses on deep understanding of the major Biological concepts. Students should be aware that this is a demanding and rigorous course. Be advised that due to time the expansive content material covered by the AP Biology Exam, a successful student will maintain a committed independent reading program and spring term enrollment in AP Environmental Science is strongly recommended.

**Intro To Biotech P** (R4966) This course is a hands-on fun and dynamic way to explore science and see how biology is really used in the world. Explore the expanding field of biotechnology, a career field devoted to improving human health through the research and development of products related to the biomedical and agricultural industries. In *Introduction to Biotechnology* you will have opportunities to use the unique biotechnology equipment that practicing scientists use, you will do “meaningful” activities such as forensic science investigations, manipulation of DNA in micro-organisms, and a number of field trips. The course begins with Biotech “Boot Camp” where you will jump right in and experience hands-on laboratory techniques and skills. Not sure you like Science? Check this course out…you will!!! **Prerequisites:** Algebra I, Biology concurrent or completed.

**Biotechnology Applications P** (R4965) What is Biotechnology? It is an expanding field devoted to improving human health through the research, development, testing, manufacturing, and marketing of products related to the biomedical and agricultural industries. Biotechnology Applications will take students deep into the world of research, development, and investigative biological science. Students will experience unique opportunities not readily available in other life science courses, including the use of sophisticated laboratory equipment such as the biological safety cabinets for tissue culture, advanced techniques such as plant cloning, as well as field trips to local biotechnology companies. **Recommendations:** Algebra I, Biology completed, Chemistry concurrent or completed.

**Health Care Essentials** (K7521) Health Care Essentials is an SDA elective course that is designed to provide an excellent foundation for students considering a career in health care. In addition to a review of human anatomy, physiology, and medical terminology, this course will explore career pathways, nutrition, ethics, workplace skills, and the social and economic factors that influence health care policy. This class is usually team taught by a health care professional and an SDA science teacher. Projects, guest speakers, CPR certification, and field trips will be incorporated to foster a meaningful and relevant curriculum.

**Physical Science**

**Please note:** Students must take one term (2 quarters) of a life science and one term (2 quarters) of a physical science to graduate. Any course above that amount is an elective.

**Earth and Space Science P** (R4560) **Recommended:** completion of Algebra I with grade of “C” or better, or concurrent enrollment. UC/CSU approved elective. This course is a college preparatory course in physical science. It satisfies the physical science requirement for high school graduation as well as a college preparatory elective. During this course, students will embark upon a journey exploring this planet’s place in the universe, learn about the dynamics that control its atmosphere, study the workings of its interior and information of its surface, and investigate the physical world of oceans. Throughout this class, students will explore the nature of Science, what it is, how it works and why it is important. This course will cover the following topics: astronomy, meteorology, geology and oceanography.

**Chemistry P** (R4564) Do you like magic? Enter the “explosive” world of chemistry. This college preparatory lab physical science is wonderful. There are lots of labs and cool demonstrations. **Recommended:** completion of Algebra II and completion of Biology.

**AP Chemistry** (R4569) **Recommended:** completion of Algebra II, recommend completion of Biology with an A or B, and highly recommended completion of Chemistry with an A or B.
UC/CSU approved laboratory sciences. AP Chemistry is a second year, college level course that is offered only in the spring term. Upon completion of this course, many students gain credit for one year of college chemistry by passing the AP chemistry examination. AP Chemistry is an enriched experience in chemistry, including approximately 50% laboratory, seminars and research projects. Problem solving is stressed. Many students take AP Chemistry with intent toward a future career as a science major. See [www.collegeboard.com](http://www.collegeboard.com) for further explanation.

**Physics P** (R4566) This course provides the opportunity to explore the physics of the surrounding world by studying concepts involved with collisions, free fall, energy, momentum, thermodynamics, sound, light, optics and electricity. There are lots of hands on activities and projects to explore and develop your creative design and problem solving skills. This course is a lab science course designed for the college-bound student who is not specifically planning a major in the sciences. Completion of Algebra II recommended.

**AP Physics B** (R4652) This class covers just about everything worth knowing: collisions, explosives, planetary motion, light, musical instruments, lightning, basic electrical circuits. There is a mathematical component to this class. Completion or concurrent enrollment in Algebra II needed and completion of physics.

**AP Physics C** (R4653) Offered as a spring class. Recommend completion of Physics and Honors Pre-Calculus and at least concurrent enrollment in Calculus. We will cover motion, electro-magnetism and relativity.

**AP Environmental Science** (R4651) Successful candidates for this class will have taken biology and chemistry, physics, or AP Biology (the more the better). This class studies mankind’s effect on the environment. This class has many, many field work opportunities. For people who might not ordinarily challenge themselves to an AP science class, this is for you. Colleges will love it.

**Math**

**Advanced Mathematics for Decision Making** (M2578) How does an owner of six McDonald's restaurants decide on appropriate work schedules for her employees? How does Hertz Rent-A-Car decide how many cars of each type to have available for rent at the various airports to maximize profit? How does UPS decide where to locate offices and delivery routes to ensure packages get delivered on time and with minimal cost? These questions and more can be answered using Operations Research - an application of math widely used in industry. This course provides an introduction to mathematical models of Operations Research. It offers a mathematics framework for building decision making models to tackle complex real-world problems. The activities build on the basic math concepts that all high school students study in algebra. Math applications do exist - really!

**Statistics and Probability P** (M2661)

Would you like to be able to testify in court as to the probability of some claim being likely?" "What's the best way to find your perfect match, perfect job or perfect car?"

"Do you yearn to know the meaning of 'margin of error'?"

"Well the wait is over. Take stats next year and you'll learn it all!"

**AP Statistics** (M2651) Students in AP Statistics and Probability will develop and use probability models, analyze and interpret given data sets and graphs, and carry out significance tests and interpret the results in preparation for the AP exam.

**Social Science**

**AP World History** (S3553) The AP World History curriculum is a rigorous, college-level course of study that traces the evolution and advancement of civilizations from 8000 B.C.E. to the present day. This course is divided into five units of study, each containing content matter as
dictated by the AP College Board. The focus of this course is unique among many high school history courses, in that the majority of study is focused on regions outside of the traditional Euro-centric view of history. Particular emphasis is placed on encounters and interactions between non-Western people, cultures, and regions.

**AP US History** (S3563) provides an in depth look at America from the days of colonization to the present. This is a college level class which prepares you to take the Advanced Placement Exam in May and earn some university credit. Be ready to engage in discussion and to take responsibility for your own learning. It's challenging but fun, and the experience is definitely worth it.

**AP English Lang/AP US History** (SK064E & SK065U) **Advantages:**
- **More Time:** Students have 8 months instead of 5 (fall semester) or 3 (spring semester) to develop their skills and to learn information before the AP Exam in May.
- **No time gap between classes and the AP Exams:** Students will be enrolled in both classes all of the way up to the AP Exam date. If students are enrolled in these classes in the fall, their classes will end three months before the May exam date. Research shows that students are significantly more successful on these high stakes exams if they take them while they are still enrolled in the course.
- **Enhanced Learning and Reduced Stress:** Students will benefit from the collaboration between their liberal arts teachers, who will work to coordinate assignments and skill building activities so that there is more synergy between these classes, less redundancy in terms of instruction and less stress for students.

Students will be enrolled in AP English 11 and AP US History for an entire year. Both of these classes will be scheduled during the same period and students will attend each class on alternating days. For example, if this year long class is scheduled for second period, during second period on the first day, the student attends English class. During second period on the second day, the student attends history class.

We believe that this option is a beneficial one and look forward to working with the students that are interested in this model.

**AP European History P** (S3662) AP European History is an adventure that takes you from Western Civilization's distant past to the present. While this class requires students to take responsibility for their own learning, the experience is worth it. Join us if you are interested in knowing about how the revolutions and developments of the past shape the world that we live in today!

**AP Comparative Government and Politics** (S3661) This course will focus upon comparing and analyzing world governments, their institutions, ideals and societies as well as how they react and interact in this increasingly global environment. We will focus upon Great Britain, the People's Republic of China, Nigeria, Russia, Mexico Iran, India, Germany, Japan and some countries in flux like Cuba, North Korea, Thailand, etc. during the course of this quarter. Of particular interest will be their histories, so we can understand the evolutionary forces that shape their governments, the interaction between political and economic trends and how socioeconomic issues determine political realities. We will also study their contemporary civil societies and the strengths and weaknesses of their public policies when responding to contemporary challenges.

**Psychology P** (S3652) Why do some people have more motivation than others? How much of a person's behavior is inherited? Are humans naturally aggressive? And, how does the brain function? Through a variety of methods, this class will help explain why humans behave as they do, and maybe even assist us in understanding our own lives.
**AP Psychology** (S3653) AP Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental process of human beings and other animals. The course stresses critical thinking, reading and writing within the context of scientific methodology and questioning.

**Sociology P** (S3654) This is a class about us! Sociology is the study of many aspects of society, including culture, socialization, social interaction, deviance, social class, gender, race and ethnicity, and social institutions such as the family.

**Social Justice P** (S3958) Students will learn and develop skills that address complex local and cultural problems through rigorous, multi-disciplinary course work. The course enables students to link classroom learning to the larger world through interactions with leaders in the local community, international organizations, social action research projects, marketing, campaigning and other opportunities.

**Visual and Performing Arts**

**Acting I P** (B6572) Build your self-confidence, polish your expressive skills, explore your creativity and have fun, all at the same time! Through theatre games, improvisation, and voice and movement work, you will become more comfortable performing onstage, discover how to make acting choices and learn how to create characters for scenes and monologues.

**Advanced Acting P** (B6574) Recommendation: Acting I and /or approval of instructor. Refine your acting skills, broaden your understanding of theatre art, and deepen your analytical skills and appreciation of the process of creating theatre. We will explore various theatrical genres, practice different action styles, and learn the fundamentals of directing and theatre technology. Possible units include adaptation and playwriting.

**Drama Production P** (B6576) *Recommendation: Audition (if you want to act) or approval of instructor. Explore the art of theatre by participating in the production and performance process! Be in the cast or on the crew of a Fall SDA theatre production and earn Visual and Performing Arts credit. This course is designed to provide a deeper understanding of drama through the creative process of theatre production and performance. Class will require after school and weekend work on the play. All Students are required to do technical work on the show.*

**Musical Theater Production P** (B6577) *Recommendation: Audition (if you want to act) or approval of instructor. Explore the art of musical theatre by participating in the production and performance process! Be in the cast or on the crew of a Spring SDA musical and earn visual and Performing Arts credit. Class will require after school and weekend work on the musical. All students are required to do technical work on the show.*

**Costume History and Design** (B6578) Learn about the history of clothes, the elements of design and their application to theatre productions! Analyze plays through a designer's eyes, create two and three-dimensional designs, and develop actual costume designs that serve as pieces of practical visual art.

**Technical Theater** (K7556) Learn about producing, directing and stage managing; set design, construction and scene painting; lighting, sound and props design; costume and makeup design; and publicity and program design. Get hands-on experience in the technical aspects of theatre art!

**Cartooning** (B6558) Cartooning/Animation. Learn the fundamental basics of drawing cartoons, along with projects of making your own comic strip and mini-comic. The second half of the course focuses on animation that uses old school techniques mixed with new school computer methods.
**Drawing and Design P** (B6552) Through this course, students explore, understand, create, evaluate, and criticize art. The framework of the course is the visual elements and principles of design, style, evaluation, and criticism. Students research and explore art history from ancient to the present within the individual project context.

**Painting P** (B6556) The study of art through painting.

**Sculpture P** (B6554) This course will introduce students to three-dimensional design and art composition utilizing clay and other ceramic materials. A variety of techniques will be surveyed while exploring the expressive and creative possibility clay materials provide students. Emphasis is placed on students investigating and developing their own artistic abilities and creative potential.

**Studio Art P** (B6540) Studio Art for 9th and 10th graders is an art class for students interested in considering art as a college major or as a career. It is a foundation class stressing basic art and design skills while surveying a variety of art making techniques and materials. The general goal of the class is to begin to develop and create a portfolio of art work often required for entrance into art schools, more advanced classes or artistic careers.

**Art Leadership** (B6970) Designed for 11th and 12th grade students, the major goals of Art Leadership are to examine, teach, and create school and community-based large scale art projects in various activities and forms. This idea further extends the class and also engages the students in the process of creating, curating and operating art spaces and gallery exhibitions of art both on and off campus. Students will serve as active participants in developing a project or exhibition concept, writing a proposal, researching relevant artists/artwork, and developing and executing development and promotional materials.

**AP Studio Art** (B6566) AP Art Studio is a course that prepares you for building a portfolio. Within AP Art Studio, there are 3 categories to pick from: 2-D Design, Drawing, and 3-D Design. This is a very rigorous course that demands hard work and follow through, but what you will walk away with is something you can be very proud of and use it to show potential colleges, clients, and/or galleries.

**AP Art History** (B6565) Art History is designed to provide an understanding and enjoyment of western architecture, sculpture, painting, and other art forms within a historical and cultural context. In the course students learn to look at works of art with intelligence and sensitivity, examining the major forms of artistic expression of the past and of distant cultures, as well as those of our own time and environment.

**Video/Film P** (B6581) Learn the basics of making a good video. This class focuses on camera techniques, editing skills, and script writing. Meets the UC/CSU Visual and Performing Art requirement.

**Adv. Video Film P** (B6955) provides a platform for students who have mastered basic Video/Film to further explore the expressive potential of video to communicate information, ideas, and stories. It provides students with the opportunity and technical assistance to continue to investigate video as an art form and further realize their own creative potential.

**Recording Arts (MIDI)** (B6653) Want to compose and record your own music, while also learning how to read traditional music notation? Spend time creating your own professional-quality recordings in our high-tech music lab. No prior music experience is necessary. The lab is equipped with new Mac computers, digital recording equipment, and MIDI (Musical Instrument Digital Interface) keyboards. Fundamental lessons will be given in microphone technique, digital audio technology, signal processing, and stereo mix-down procedures. Students will work either individually, or in small groups, to produce a 3-song demo album of
their work. Students can create songs using pre-composed music loops, or even play & record their own material live in the studio! Meets VPA requirement for graduation.

**Instrumental Music P** (B6662) **NEW CLASS** (previously “Guitar”) This class is open to guitarists, pianists, percussionists, & wind players of all levels. Expand & develop your musical skills through generous amounts of in-class practice time in our new Performing Arts Center. Prepare music for class recitals, outside performances, or even college auditions. You can also use our computer lab to notate your own original compositions! If you have always wanted to learn to play an instrument, this is the perfect class for you. Music-reading ability (or a strong willingness to learn) is recommended. Please see Mr. Wuertz if you have any questions about this new course.

**Symphonic Band P** (B6668) **Recommended:** Play a traditional band instrument. Meets VPA/UC/CSU requirement. This year-long course is designed to provide the opportunity for students to be a part of a musical ensemble that rehearses and performs various styles of music throughout the school year. The primary concepts that are emphasized include: major & minor scales, intermediate to advanced rhythms, tone quality, terminology, and elements of blend/balance in a traditional instrumental ensemble. Students wishing to start an instrument are encouraged to take private lessons in order to prepare for this course. Sufficient enrollment in Symphonic Band may, in any given year, lead to the addition of a Wind Ensemble class. The same course description would apply, the musical material would be at an intermediate to advanced level, and students would be required to audition for placement in this class. Estimated HW: 120 minutes per week.

**Wind Ensemble P** (B6667) Meets VPA/UC/CSU requirements. Also meets PE requirement (marching band). Recommendation: Instructor approval or audition. This advanced level, year-long course is designed to provide the opportunity for instrumental music students to be part of a musical ensemble that rehearses and performs various styles of music throughout the school year. Students at this level should be comfortable reading and recognizing scales, various rhythmic patterns, key signatures, and music terminology. HW: 120 min. per week.

**AP Music Theory** (B6670) Want to learn all about music and how it is constructed? Want to be able to pick out a melody, or identify a chord progression that you hear? If so, you will enjoy AP Music Theory. This course is designed to provide students with an opportunity for in-depth study of the theory and history of musical composition techniques. This will be accomplished through musical analysis, composition, research, and performance. Through this study, students will understand the cultural and artistic relevance of music throughout history, and the evolution of music theory. **Prerequisite:** Be able to read basic music notation on treble and bass clefs. Students who are new to music reading can prepare for this course by taking MIDI Composition/Recording Arts, or by independently completing a short music workbook. Difficulty level: Moderate to Very Difficult, depending on the student. Estimated HW: 30 minutes per day. Meets VPA/UC/CSU requirement.

**Dance Choreography and Performance P** (B6691) This class is designed to provide a strong physical conditioning program and at the same time offer ample opportunity to express and develop individual creativity through participation in dance combination and choreography. Students choreograph their own ensembles and perform at the Academy!

**Architectural Design P** (K7670) Are you interested in a career as an architect, interior designer, landscape designer, engineer, or model maker? This course will introduce key aspects of architectural design and students will ultimately create several structures that incorporate styles of the past and present. In this class you can experiment with your design, see it in 3D with the computer, and even fly through it virtually. Tools will include the latest computer aided design software, pencils, charcoal, pen, watercolor and model making supplies. Hand drawn renderings and scale models of your house will also be created. This class meets UC/CSU Visual and Performing Art “F” requirement. All students will enter at least their main
project in the San Diego Fair and receive 4 credits of Mira Costa credit with a grade of B or better.

ROP Photo Imaging P (K7518) Explore the world around you! This is a creative, hands-on class where we learn a variety of innovative and artistic techniques. We have fun while developing new photographic skills utilizing both the traditional darkroom and new digital technologies. We also gain skills for a future career while sharing ideas with a team, taking chances, and making better MySpace and Facebook photos too!

World Languages
No longer a novelty . . . but a necessity. OPEN DOORS to the world. Become multi-lingual.

Spanish I P (G5681) Have fun learning Spanish by speaking it and listening to interesting Spanish conversations, watching DVDs in Spanish, and singing songs. Lean to read by reading brief descriptions of Spanish speaking people, places and other short stories. Write Spanish by writing about your friends, your hobbies, school, food and more. Listen to, speak, read and write about topics that are basic to everyday communication including culture and countries. There are fun review games and friendly competitions to review and learn. Any technical stuff is built into fun activities that are included to help you learn to communicate in Spanish.

Spanish II P (G5682) Continue to have fun learning Spanish, get better at it, and begin to fulfill this college entrance requirement. Deepen your ability to speak, understand, read and write the Spanish language and enjoy learning interesting cultural information. The topics are relevant to your life. Learn by watching DVDs, talking with classmates in Spanish, listening to Spanish speakers, reading and writing. There are fun review games and friendly competitions. At the end of the course you'll be communicating with Spanish speakers in the community and be excited to continue on to Spanish 3.

Spanish III P (G5683) Strengthen your Spanish skills by going into in-depth review and practice of past concepts and learning more concepts. You will improve your Spanish by communicating about everyday topics that are related to your life. Some topics include traveling, childhood, healthy life styles, and dreams/wishes. Engage in various speaking reading, writing and listening activities. There are fun review games and friendly competitions to review and learn.

Spanish IV P (G5684) Spanish IV is creative, fun and yet very rigorous. Engaging short stories drives the learning. You will read them, write about them, speak about them and listen to them. Students build upon their Spanish communication and grammar skills learned at previous levels. Previous grammar is reviewed and continued at a more advanced level. Pupils are evaluated on their abilities to clearly communicate by reading, writing, speaking, and listening. Spanish speaking cultures are also explored and students may be required to do a cultural report on a Spanish speaking country or required to visit a local museum, theater, market, etc...and write up a report regarding the experience. Other cultural lessons can include the study of Spanish artist, musicians, and cinema in Spanish. Excellent attendance is expected in order to successful in this course. This course is designed to prepare students to be confident, proficient communicators who are ready to continue their studies in Spanish V.

Spanish V P (G5685) This is an advanced course for students who wish to continue their study of Spanish at a more challenging level. This class focuses on refining student's understanding of grammar, enriching their vocabulary, and increasing their overall language skills in reading, writing, speaking and listening. Activities such as reading short stories, giving oral presentations, and watching Spanish news programs are used in class to achieve these goals.

AP Spanish Language (G5686) This is an Advanced Placement course for students who wish to continue their high-level study of Spanish while preparing themselves for the AP Spanish Language exam. This class focuses on refining student's understanding of grammar, enriching
their vocabulary, and increasing their overall language skills in reading, writing, speaking and listening. Activities such as reading short stories and current events, giving formal and informal oral presentations, writing essays, listening to short and long audio dialogues and narratives, watching Spanish news programs, taking practice AP exams, and researching Spanish speaking countries' cultural are used in class to achieve these goals.

**Spanish for Spanish Speakers P** (G5691) This course is designed to improve reading and writing skills in Spanish for the native speaker. This course includes the study and appreciation of the history, culture and literature of the people of the Spanish-Speaking world. Students will be involved in various discussions regarding the literature and real world issues.

**Contemporary Spanish Literature** (G5690) ¡Viva el español! Are you longing to continue your Spanish study after Spanish IV, V or AP Language? Join the Advanced Spanish Literature class! No AP stress, just fun and creative experiences, yet challenging course work to improve fluency, comprehension, reading and writing skills. ¡Vengan todos a disfrutar!

**American Sign Language I P** (G5651) This course is an introduction to basic knowledge of American Sign Language (ASL) and the Deaf culture. Students will develop basic skills in ASL vocabulary and grammar to meet basic communication needs. Emphasis is placed upon acquisition of both comprehension and production skills. In addition to language, learning will focus upon knowledge of the Deaf community and the development of the cultural awareness necessary for communication and interaction. There are fun review games and songs are also incorporated into lessons.

**ASL II P** (G5652) This course is a continuation of American Sign Language I and emphasizes refinement of the fundamental comprehension and production skills covered in ASL I, with the acquisition of additional vocabulary and grammatical structure. It is designed to build receptive skills, learn to communicate through context, and develop strategies for figuring out meaning and to build upon that foundation. In addition to learning the language, this course will focus upon the knowledge of the Deaf community and the development of the cultural awareness necessary for communication and interaction.

**ASL III P** (G5653) This course expands on ASL vocabulary and grammar to develop communicative and interactive competencies in the language and culture of Deaf people. ASL 3 emphasizes refinement of the fundamental comprehension and production skills covered in ASL 2, with the acquisition of additional vocabulary and grammatical structure. In addition to learning the language, this course will focus upon the knowledge of the Deaf community and the development of the cultural awareness necessary for communication and interaction.

**ASL IV P** (G5654) This course focuses on narratives and storytelling in ASL. All skills from levels 1-3 are built upon as students learn to use the language in real life contexts. Songs are translated and performed, and students get a chance to get out of the classroom and experience using ASL within the Deaf community for their community hours.

**Japanese I P** (G5671)
Explore the culture of Japan; J-pop, anime, manga, sushi, high tech toilets, exchange students, and yummy candies. What better way to get our college requirements completed than with a one-of-a kind language experience. The student who has successfully participated in and completed the course of learning experience in Japanese I will have basic communication skills in Japanese in such situations as meeting people, ordering food, shopping, and talking about self, recognize and write Hiragana alphabets, recognize Katakana alphabets and 30 Kanji (Chinese characters), understand simple readings written in Hiragana, and write simple essays in Hiragana. All instructional units are designed to enhance the development of four skills (speaking, listening, writing, and reading).

**Japanese II P** (G5672)
The student who has successfully participated in and completed the course of learning experience in Japanese II will have basic communication skills in Japanese in such situations as school, hometown, everyday life, and weather, recognize and write Katakana alphabets and 60-80 Kanji (Chinese characters), understand simple readings written in Hiragana, Katakana, and some Kanji, write simple essays using Hiragana, Katakana, and Kanji. All instructional units are designed to enhance the development of four skills (speaking, listening, writing, and reading).

**Japanese III P (G5673)**

The students who has successfully participated in and completed the course of learning experience in Japanese III will have basic communication skills in Japanese in such situations as hobbies and leisure activities, food, and shopping, recognize and write about 150 Kanji (Chinese characters), understand simple readings written in Hiragana, Katakana, and some Kanji and write simple essays using Hiragana, Katakana, and some Kanji. All instructional units are designed to enhance the development of four skills (speaking, listening, writing, and reading).

**Japanese IV P (G5674)**

The students who has successfully participated in and completed the course of learning experience in Japanese IV will have basic communication skills in Japanese on such topics as travel, home, and transportation, recognize and write about 150 new Kanji (Chinese characters), understand simple readings written in Hiragana, Katakana, and some Kanji, and write essays using Hiragana, Katakana, and some Kanji. All instructional units are designed to enhance the development of four skills (speaking, listening, writing, and reading).

**Japanese V P (G5675)**

Japanese V is intended for those who have chosen to increase their knowledge of Japanese language and culture and their ability to function at a higher level of proficiency in everyday situations. The successful student in this continuing course will be culturally sensitive in language usage in real situations, become critical thinkers, maintain higher order thinking, summarize TV programs or native-speaker conversations. In addition to all ‘hiragana’ characters and ‘katakana’ characters, the student will be able to recognize 350 ‘kanji’ characters. This class is in alignment with national standards at the intermediate-low level. All instructional units are designed to enhance the development of four skills (speaking, listening, writing, and reading). Course activities use real-life situations and have purposes and are created to enhance students’ higher-order thinking skills.

**AP Japanese (G5677)**

The successful student will develop and demonstrate proficiency at the Intermediate-Low to Intermediate-Mid level, based upon ACTFL (American Council on the Teaching of Foreign Languages) guidelines and equivalent to 300 hours of university-level instruction in Japanese language and culture. As such, students will be prepared to enter a typical, third-year, university-level course. All instructional units are designed to enhance the development of four skills (speaking, listening, writing, and reading). Course activities use real-life situations and have purposes and are created to enhance students’ higher-order thinking skills.

**French I P (G5661)** Welcome to the French-speaking world! In French 1, you’ll begin learning a language spoken in 43 countries and territories in North & South America, Africa, Europe, the Caribbean and Oceania. Have fun learning French by speaking it and listening to interesting French conversations, watching DVDs in French, and singing songs. Learn to read and write in French about your friends, your hobbies, school, home, and more. Learn how to shop for food and clothes in France, order in a restaurant, and even how to get around an airport! There are fun review games and friendly competitions to review and learn.

**French II P (G5662)** Bonjour! Take the language further than French I, and work towards completing the CSU and UC college entrance requirements. The language becomes easier to use and even more interesting as you continue to develop listening, reading, writing and
speaking skills in French. Learn about French culture, understand more complex conversations, and feel more comfortable with the language. In French 2 you’ll learn more about French cooking, holidays, art and theatre, and learn how to get around France by car, train and plane!

**French III P** (G5663) *Bienvenue!* Strengthen your French skills with this in-depth review and practice of past concepts, and dive into more advanced grammar and vocabulary. You will improve your French by engaging in various speaking reading, writing and listening activities. Some topics we explore in French III include summer and winter vacation activities, childhood, healthy life styles, international community service, major life events, and goals for the future.

**French IV P** (G5664) *Ici, on parle français!* French IV is creative and fun, yet very rigorous. Students build upon communicative and grammar skills learned at previous levels of French. Pupils are evaluated on their abilities to clearly communicate by reading, writing, speaking, and listening. Learn more about the history and literature of French-speaking places around the world. This course is designed to prepare students to be confident, proficient communicators and critical thinkers who are ready to continue their studies in French V.

**French V P** (G5665) *Le français, toujours plus!* In French V, we continue with French at an advanced level. Students discuss social issues and watch newscasts in French, and we also study French through movies and news articles. We continue to study French literature and history, learning about the important people and events that have shaped the French-speaking world. Students continue to develop their reading, writing, listening and speaking skills, and work on more advanced grammar. French V is a rewarding course that continues to push students intellectually—all in an interactive, dynamic classroom setting.

**AP French Language** (G5666) This class is designed to prepare students to take the Advanced Placement French Language Exam, though students who take it are not required to take the AP test. You will practice complex French reading, writing, listening and speaking skills to prepare you for the French AP test so you may earn college credit in French. We cover a wide variety of topics in AP French Language—from school and work to art, philosophy, the environment, Francophone literature, current events, travel, ethics, and global issues.

*Note: ALL courses over and above graduation requirements in the Math, Science, and World Languages Departments may be taken as electives.*

Revised 1/14/11