PROGRAM PLANNING HANDBOOK

EL CAMINO HIGH SCHOOL
SOUTH SAN FRANCISCO HIGH SCHOOL

2019-2020
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT

PROGRAM PLANNING HANDBOOK

2019-2020

This course bulletin is published annually by the South San Francisco Unified School District. It is intended to outline the courses available to students enrolled at El Camino and South San Francisco High Schools, the prerequisites needed for each course, and to help students select the appropriate courses needed for graduation.

SUPERINTENDENT
Dr. Shawnterra Moore

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Dr. Cynthia Rapaido, Principal

Approved January, 2019

<table>
<thead>
<tr>
<th>South San Francisco High School</th>
<th>El Camino</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name</td>
</tr>
<tr>
<td>Dr. Cynthia Rapaido</td>
<td>Mr. Daniel Lunt</td>
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<tr>
<td>Mr. Daniel Flores</td>
<td>Mr. James Briano</td>
</tr>
<tr>
<td>Mr. Christian Navarro</td>
<td>Dr. Elin Cervantes</td>
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</tbody>
</table>
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT

MISSION STATEMENT

The mission of the South San Francisco Unified School District, through collaboration with home and community, is to graduate responsible, productive, and environmentally aware citizens who have the academic and social skills necessary to contribute to a changing global society, through active participation in a quality instructional program defined by a challenging and creative curriculum which ensures opportunities for a diverse population to experience individual expression and collaborative problem solving in a safe and stimulating environment.

If you are having a problem reading this brochure, call (650) 877-8709 and help will be provided.
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The South San Francisco Unified School District is committed to equal opportunity and does not discriminate in any program or activity on the basis of sex, race, ethnic background, national origin, religion, sexual orientation or disability in accordance with provisions of Title VI and Title VII of the Civil Rights Act, Title IX of the Education Amendments of 1973, Section 504 of the Rehabilitation Act of 1973 and California Government Code 5 12940. Any inquiries regarding this nondiscrimination policy or the filing of a discrimination complaint may be directed to:

Dr. Jay Spaulding  
Assistant Superintendent Human Resources and Student Services  
District Officer for Section 504 and Title IX  
Phone: (650) 877-8725
Graduation Requirements

<table>
<thead>
<tr>
<th>COURSES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 years of English</td>
<td>40</td>
</tr>
<tr>
<td>2 years of Math</td>
<td>20</td>
</tr>
<tr>
<td>3 years Social Science</td>
<td>30</td>
</tr>
<tr>
<td>1 year World History</td>
<td></td>
</tr>
<tr>
<td>1 year U.S. History</td>
<td></td>
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<tr>
<td>1 semester Economics</td>
<td></td>
</tr>
<tr>
<td>1 semester Government</td>
<td></td>
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<tr>
<td>1 semester Health</td>
<td>5</td>
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<tr>
<td>2 years Science</td>
<td>20</td>
</tr>
<tr>
<td>1 year physical</td>
<td></td>
</tr>
<tr>
<td>1 year biological</td>
<td></td>
</tr>
<tr>
<td>2 years Physical Education</td>
<td>20</td>
</tr>
<tr>
<td>1 year Fine Arts or Foreign Language</td>
<td>10</td>
</tr>
<tr>
<td>Elective Courses (minimum)</td>
<td>75</td>
</tr>
<tr>
<td>TOTAL</td>
<td>220</td>
</tr>
</tbody>
</table>

COLLEGE A-G ENTRANCE REQUIREMENTS
COURSES MUST BE COMPLETED WITH A MINIMUM GRADE OF “C”

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>California State University REQUIREMENT</th>
<th>University of California REQUIREMENT</th>
<th>‘a-g’ Area</th>
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<tbody>
<tr>
<td>SOCIAL SCIENCE</td>
<td></td>
<td></td>
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<tr>
<td>US HISTORY/GOVERNMENT</td>
<td>2 YEARS</td>
<td>2 YEARS</td>
<td>A</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>4 YEARS</td>
<td>4 YEARS</td>
<td>B</td>
</tr>
<tr>
<td>MATH</td>
<td>3 YEARS</td>
<td>3 YEARS REQUIRED</td>
<td>C</td>
</tr>
<tr>
<td>LABORATORY SCIENCE</td>
<td>2 YEARS</td>
<td>2 YEARS REQUIRED</td>
<td>D</td>
</tr>
<tr>
<td>FOREIGN LANGUAGE</td>
<td>2 YEARS</td>
<td>2 YEARS REQUIRED</td>
<td>E</td>
</tr>
<tr>
<td>VISUAL &amp; PERFORMING ARTS (Same Discipline)</td>
<td>1 YEAR</td>
<td>1 YEAR</td>
<td>F</td>
</tr>
<tr>
<td>COLLEGE PREP ELECTIVES</td>
<td>1 YEAR</td>
<td>1 YEAR</td>
<td>G</td>
</tr>
</tbody>
</table>

General Remarks
- A one-period course for one semester (18 weeks) equals five high school credits. (5 credits)
- A one-period course for a year (36 weeks) equals ten high school credits. (10 credits)
- A normal course load for one year, including Physical Education, is six courses, or 60 credits.
- The requirement for graduation is a minimum of 220 credits.
- Students taking honors and advanced placement courses shall receive one extra point for each semester grade of C or better for the purpose of calculating class rank and Honor Roll.
- Students who retake a course they have already passed cannot receive credit unless the course has the designation MBRFC (May Be Repeated For Credit) in this guide.
- Grades stated as prerequisites are always the final grade given in semester or year courses. If a course has materials’ cost or requires supplies, financial assistance is available through the Counseling Department.
Students must successfully complete Algebra 1 or any combination equivalent to one year of Algebra 1 to be eligible to graduate.

Students must take four years of Physical Education unless they pass the California State Physical Fitness Test with 5 of the 6 standards tests in the healthy fitness zone to be eligible to graduate. Students who pass 5 of the 6 tests may be allowed to waive the second two years of Physical Education. Students who do not pass the Physical Fitness Test in grade 9 may retake the test in grade 10.

Note
- Prerequisites as listed can be an indicator of success but any student may enroll in any course in the normal curriculum sequence.
- Students who are enrolled in an AP class are expected to take the AP test for that curricular area. Students who qualify for free and reduced lunch also qualify for a reduced cost on the AP test.
- Students who enter their senior year with 165 credits are in good standing and on track to graduate.

District Fine Arts Graduation Requirement
The classes listed below meet the District’s Fine Arts requirement. For information regarding UC/CSU Visual and Performing Arts requirements, consult your high school counselor.

1. Art
2. Band
3. Ceramics
4. Chorus
5. Drama
6. Photography
7. Video Arts
8. Dance

Advanced Placement
The Advanced Placement Program (AP) enables willing and academically prepared students to pursue college-level studies while still in high school. Students who earn a qualifying score on an AP Exam are typically eligible to receive college credit and/or placement into advanced courses in college.

SSFUSD is committed to making equitable access a guiding principle for all AP programs.

State of Seal of Biliteracy
Per California Department of Education, March 2018, The Seal of Biliteracy is an award given by a school, district, or state in recognition of students who have studied and attained proficiency in two or more languages by high school graduation. Velázquez Press sponsors schools and districts by providing seals and award medals for Seal of Biliteracy graduates. Their goal is to help students recognize that being biliterate is an asset and to provide motivation for them to succeed in school. Many employers take language abilities into consideration when hiring and may offer a stipend or "differential pay" for employees who speak more than one language. After receiving the Seal of Biliteracy, they invite recipients to register through their site so that they can verify their award with potential employers.

A student who graduates from high school must have achieved a high level of literacy and fluency in one or more language(s) in addition to English.

The student must demonstrate:

1) Completion all English language Arts requirements for graduation with an overall grade point average of 2.0 in those classes.

2) Passing the California Assessment of Student Performance and Progress (CAASPP) for English language arts, or any successor test, administered in grade eleven, at or above the “standard met” achievement level, or at the achievement level determined by the Superintendent for any successor test.

3) Proficiency in one or more languages, other than English, demonstrated through one of the following methods:
A. Passing a foreign language Advanced Placement (AP) examination with a score of 3 or higher, or an International Baccalaureate (IB) examination with a score of 4 or more.

B. Successful completion of a four-year high school course of study in a foreign language, attaining an overall grade point average of 3.0 or higher in that course of study, and demonstrating oral proficiency in the language comparable to that required to pass an AP or IB examination.

C. Passing a district test with a score of proficient or higher (If no AP examination or off the shelf language tests exists and the school district can certify that the test meets the level of an AP exam) demonstrating proficiency in all of the modes of communication (reading, writing, and speaking) that characterize communication in the language.

D. Passing the SAT II foreign language examination with a score of 600 or higher.

4) In addition to the requirements mentioned above, if the primary language of a pupil is other than English, he or she shall demonstrate English proficiency on the English Language Proficiency Assessments for California (ELPAC), or any successor English language proficiency assessment, in transition kindergarten, kindergarten, or any of grades one to twelve, inclusive.

**California Scholarship Federation (CSF)**

The California Scholarship Federation, CSF, is an Academic Honor Society. It is a statewide Academic Honor Society for 10th, 11th, and 12th grade students. Membership is on a semester basis and requires that a student have at least 3 or more A’s in academic courses. To qualify for lifetime membership, a student must have been a semester member 4 times with one of the semesters in their senior year. By senior year, students who qualify as lifetime members are recognized at graduation with a golden sash which is worn over their graduation gown. For more information see the CSF advisor and review the guidelines: [https://csf-cjsf.org/wp-content/uploads/2017/08/CSF-Bylaws-formatted-201708.pdf](https://csf-cjsf.org/wp-content/uploads/2017/08/CSF-Bylaws-formatted-201708.pdf)

**Concurrent Enrollment**

The College Connection Concurrent Enrollment Program is an enrichment program designed to provide current high school students, who are enrolled in the 9th grade or above, the opportunity to get an early start on their college education. Students will receive college credit for all coursework successfully completed while still in high school, and in some courses, you can earn both high school and college credits. College enrollment fees are free to high school students who are California residents. Please see your counselor if interested in this program.

**Middle College at Skyline College**

Middle College is an alternative education program offered by the South San Francisco Unified School District in collaboration with Skyline College that offers 11th and 12th high school students a tuition-free accelerated pathway focus on college and career preparation. Students take classes full-time on Skyline College campus to earn their high school along with college credits that can be applied toward certificates, an associate degree, or transfer to four-year university. The Middle College is located on the Skyline College campus in San Bruno.

Middle College at Skyline College offers:

- A mature alternative to the traditional high school environment
- An opportunity to get a head start on your college degree while earning your high school diploma
- A transition to college in a flexible, supportive and academically enriched environment
- A refreshing challenge with increased individual attention
- FREE Tuition

To be eligible students will:

- Be a junior in good academic standing with a minimum GPA of 2.0
- Have completed Geometry with a minimum grade of C
- Have completed English 2CP with a minimum grade of C
- Have earned a minimum of 100 high school credits

For more information, please contact Raymond Jones, Ph.D. at (650) 738-4245 or skylinemiddlecollege@smccd.edu
College Information

The State of California provides three separate and independent systems of higher education. These consist of approximately one-hundred-twelve community colleges, twenty-three CSU campuses, nine UC campuses.

Community Colleges
The local community colleges are Skyline College, College of San Mateo, Cañada College, and City College of San Francisco. All Colleges offer the first two years of instruction in a wide variety of transfer programs as well as more than 90 vocational-technical programs as well as offering courses leading to hundreds of Associate Degrees and Certificates.

Associate Degree
An associate degree is an undergraduate academic degree awarded by community colleges, junior colleges, technical colleges, bachelor's degree-granting colleges, and universities upon completion of a course of study usually lasting two years. An associate degree is awarded to students who complete 90 quarter credit hours or 60 semester credit hours of schooling. The entrance requirement at these schools is either graduation from high school or eighteen years of age.

University of California / California State Universities
For the UC and CSU systems, eligibility for entrance is determined by a combination of the grade point average and score(s) on required standard entrance examinations (SAT I or ACT).

Students seeking public higher education in California will have the same preparatory course requirements for admission to both the California State University and the University of California.

Students should begin taking courses to fulfill the university admission requirements during the ninth grade. Students accepted for admission must meet the grade, course, and examination requirements. To satisfy the subject requirement, students must complete each semester of the high school courses listed below with a minimum grade of "C" and an overall grade point average defined by the university. This sequence of courses is also known as the "a-g" subjects or requirements. Students must take 15 units of high school courses to fulfill the subject requirement, seven units of which must be taken in the last two years of high school. (A unit is equal to an academic year or two semesters of study.) To be acceptable to the university, the courses must appear on a list certified by the high school principal as meeting the university's minimum admissions requirements. UC Schools recommend an additional year of math, science and foreign language. For additional information, consult your high school counselor.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 years</td>
</tr>
<tr>
<td>Mathematics (Algebra 1 and higher)</td>
<td>3 years</td>
</tr>
<tr>
<td>M.W.H, U.S. History, Government, Social Science</td>
<td>2 years</td>
</tr>
<tr>
<td>Science with laboratory</td>
<td>2 years</td>
</tr>
<tr>
<td>Foreign language</td>
<td>2 years</td>
</tr>
<tr>
<td>Visual and performing arts</td>
<td>1 year</td>
</tr>
<tr>
<td>Electives (A-G approved)</td>
<td>1 year</td>
</tr>
</tbody>
</table>
Other Colleges and Universities
Students interested in gaining admission to colleges or universities other than those described will find generally that meeting University of California standards is sufficient. Conferring with a counselor and examining the catalogues of colleges and universities in which the student may be interested is recommended early in the high school career to assure that entrance requirements are met.

National Collegiate Athletic Association
To participate in Division I athletics or receive an athletics scholarship during the first year of college, a student-athlete must:

- Complete the 16 core-course requirement in eight semesters:
  - 4 years of English
  - 3 years of math (Algebra 1 or higher)
  - 2 years of natural or physical science (including one year of lab science if offered by the high school)
  - 1 extra year of English, math or natural or physical science
  - 2 years of social science
  - 4 years of extra core courses (from any category above, or foreign language, non-doctrinal religion or philosophy)
- Earn a minimum required grade-point average in core courses
- Earn a combined SAT or ACT sum score that matches the core course grade-point average and test-score sliding scale. (For example, a 3.000 core-course grade-point average needs at least a 620 SAT).
- Student-athletes enrolling in college in August 2016 and later must meet all of the above requirements to receive aid in the first year and practice in the first term. In order to compete in the first year, prospects must meet all of the above and:
  - Earn at least a 2.3 GPA in core courses
  - Meet an increased sliding-scale standard
  - Complete 10 core-courses prior to the start of the seventh semester, at least seven in English, math and science.
Course Descriptions

Career Technical Education

Students engage in an instructional program that integrates academic and technical preparation and focuses on career awareness, career exploration, and career preparation in pathways that emphasize real-world, occupationally relevant experiences of significant scope and depth.

The South San Francisco Unified School District offers courses in seven CTE Industry Sectors: Arts, Media, and Entertainment; Building and Construction Trades; Engineering and Architecture; Health Science and Medical Technology; Hospitality, Tourism, and Recreation; Information and Communication Technologies; and Transportation.

Arts, Media, and Entertainment

Photography — Grades 9, 10, 11 & 12
Year Course
Meets district fine arts graduation requirements
Fulfills “f” of UC/CSU A-G admission requirements
Designed for students wishing to gain the basic knowledge and techniques of photography. Content includes information on camera selection, (composition, design principles, historical background) film developing, and print enlarging. Both studio and field work are explored. Operation of a SLR 35mm camera, film exposure and development, darkroom procedures, proper and safe use of photographic chemistry, how to enlarge, print and develop photographs, dodging and burning techniques, expanded composition and design principles, finishing and presentation of work. This course meets the district’s Fine Art requirement.

Advanced Digital Photography — Grades 10, 11 & 12
Year Course (SSFHS only)
Meets district fine arts graduation requirements
Fulfills “f” of UC/CSU A-G admission requirements
Prerequisite: Photography 1
Digital Photography is a one-year course for students interested in hands-on photography using digital cameras and computers. Students will have an introduction to elements of art and principles of design. This course will familiarize students with digital photography equipment-including DSLRs, materials, and methods through theory and hands-on practice. Students will learn the history of photography, studying an emulating a variety of photographic styles. Students will create a digital portfolio of original compositions. Students will develop the abilities to aesthetically value in critiques of their own work and that of their classmates. Students will learn workflow, from assignment through post-production, using Photoshop or Lightroom.

Multimedia Foundations — Grades 9, 10, 11 & 12
Year Course (ECHS only)
Fulfills “f” of UC/CSU A-G admission requirements
Multimedia Foundations is a yearlong course for students wishing to explore technology as an art medium and career path. The purpose of the course is to prepare students to become pragmatic and analytical working artists by laying a foundation of digital skills. The curriculum is tied closely to real world applications and career options utilizing art-related technology. Multimedia Foundations prepares students for courses in Video Arts, Yearbook, broadcast media, and Web Design and development.

Video Art — Grades 9, 10, 11 & 12
Year Course
Meets district fine arts graduation requirements
Fulfills “f” of UC/CSU A-G admission requirements
This course will cover pre-production planning, writing and script editing, on-camera acting, technical work, critical analysis, post-production editing, and presentation to outside audiences. Students learn the history of film and video communication, the fundamentals of composition and movement, the aesthetic of light, color, and sound, and the art of storytelling, production design, and directing. Students also learn the art of digital editing and graphic design, creative design in commercial and broadcast productions, career explorations, and portfolio development. This course is a UC “a-g” approved course. MBRFC

**Advanced Video Art — Grades 10, 11 & 12**

Year Course
Meets district fine arts graduation requirements
Fulfills “F” of UC/CSU A-G admission requirements
This is a Project-Based course focusing on the use of current industry software (ex. Final Cut Pro) in digital video editing and production. Units will be designed around the creation of projects for students to design, build, create, or perform. Advanced Video Art is designed to be the capstone course in a pathway series (Design, Visual & Media Arts), which completes a comprehensive training in multimedia design. Students learn advanced camera, lighting and editing techniques as they work on individual projects or collaborate with other students on film shorts or video projects. They will produce short works based on scripts they have written and then publish them as part of their student portfolios.

**Webpage & App Design — Grades 9, 10, 11 & 12**

Year Course (SSFHS Only)
Fulfills SSFUSD graduation requirement only
Prerequisite: Basic typing skills, basic computer use, and fundamental use of the Internet.
This is an entry-level course designed to introduce students to the process of planning, designing, and building a professional website. Students will learn to create detailed site maps and design plans, learn fundamental tools of working with HTML and CSS Languages, and gain a confident working knowledge of various digital media software applications including Dreamweaver, Photoshop and Adobe XD. Students will be introduced to basic design principles and accessibility issues when creating web pages.

**Beginning Folklorico Dance — Grades 9, 10, 11 & 12**

Year Course (SSFHS only)
Fulfills “f” of UC/CSU A-G admission requirements
This course in Folklorico dance covers a variety of creative dance movement experiences. Students will be exposed to basic dance techniques and principles, including exploration of various rhythms, dance styles, spatial relationships, and the use of kinetic energy. The Folklorico dances emphasized in this course will come primarily from Mexico and Latin America. Students will be required to perform in one or more productions. Lectures, readings, written work and visual presentations on the history and culture of each region will further develop an appreciation and understanding of how and why these ethnic dances evolved. Students are required to perform at school functions and community functions.

**Intermediate Folklorico Dance — Grades 9, 10, 11 & 12**

Year Course (SSFHS only)
Fulfills “f” of UC/CSU A-G admission requirements
Prerequisite: “C” in Beginning Folklorico Dance, dance experience, or teacher recommendation
This class is a continuation of skills and dances learned in Beginning Folklorico dance. The intermediate level will further develop authentic style and technique as well as additional dances as a prerequisite for the Advanced level. In-depth study of ethnic dances will require written work and visual presentations on the history and culture of the specific region studied by the students. Students are required to perform at school functions and community functions. MBRFC

**Advanced Folklorico Dance — Grades 10, 11 & 12**

Year Course (SSFHS only)
Fulfills “f” of UC/CSU A-G admission requirements
Prerequisite: “C” in Intermediate Folklorico Dance, advanced dance experience or teacher recommendation
This class is a continuation of skills and dances learned in Intermediate Folklorico Dance. Advanced dance skills and principles will be further developed. A greater emphasis will be given to authentic style, visual presentations and performances throughout the year. In depth study of ethnic dances will be required including written work and lectures. Students are required to perform at school functions and community functions. MBRFC
Building and Construction Trades

Woods 1 — Grades 9, 10, 11 & 12
Year Course (SSFHS only)
Fulfills SSFUSD graduation requirement only
An entry level class designed to allow the student the opportunity to explore the materials, tools, and processes used in the field of woodworking. A detailed safety program is used for all power tools. Students will be required to keep a notebook. Skill and knowledge is achieved through the construction of class-assigned projects.

Woods 2 — Grades 10, 11 & 12
Year Course (SSFHS only)
Fulfills SSFUSD graduation requirement only
Prerequisite: “C” grade in Woods 1 or teacher recommendation
A course which may be taken after a student has completed the Woods 1 course. Students may choose from the following subject areas: hand tool processes, wood joinery, door construction, furniture design, furniture construction, wood finishing techniques, carpentry and construction. These areas of instruction will be covered through long term individual instruction/group projects.

Woods 3 — Grades 11 & 12
Year Course (SSFHS only)
Fulfills SSFUSD graduation requirement only
Prerequisite: “C” grade in Woods 2 or teacher recommendation
This course is designed to continue the study of woodworking. Individual and group projects are encouraged. Students are responsible for the cost of all materials used in the construction of their projects. Students will keep these projects at the completion of the course.

Engineering and Architecture

Electronics 1 — Grades 9, 10, 11 & 12
Year Course (SSFHS Only)
Fulfills “g” of UC/CSU A-G admission requirements
The semester course will cover D.C. electronics. Students will build simple circuits, learn to solder, build Chaney Project Kits, and a crystal radio. Electrical safety is stressed in class assignments.

Electronics 2 — Grades 10, 11 & 12
Year Course (SSFHS Only)
Fulfills SSFUSD graduation requirement only
Prerequisite: “C” grade in previous course or teacher recommendation
An extension of skills developed in Electronics 1 with an emphasis on labs and projects. Projects go from rough sketches to complete plans & models.

Advanced Electronics — Grades 11 & 12
Year Course (SSFHS Only)
Fulfills SSFUSD graduation requirement only
Prerequisites: “C” grade in previous course or teacher recommendation
Instruction is provided in A.C. electricity, troubleshooting techniques, advanced circuits, and projects that use a wide range of components for D.C. electronics. MBRFC

Health Science and Medical Technology

Biotechnology 1 & 2 (BTEC 400 at Skyline College) — Grades 10, 11 & 12
Year Course
Fulfills “d” of UC/CSU A-G admission requirements
DUAL ENROLLMENT ELIGIBLE (SKYLINE COLLEGE)
Prerequisite: “C” or better in Biology and concurrent enrollment in Algebra 1 or higher.
Biotechnology Year 1 is a one-year laboratory course with dual enrollment at Skyline Community
College, designed to give students an introduction to the scientific concepts and basic laboratory research techniques currently used in the field of biotechnology. First semester starts with a focus on mastering basic standard laboratory operating procedures, extensive record-keeping through a laboratory notebook, communication skills, safety, and proper use of equipment. Over the course of the year, students will learn about growing bacteria cells, using a microscope, DNA and protein isolation, and genetic engineering. Through extensive research and laboratory experience, students will also evaluate career opportunities in the field.

Biotechnology 3 & 4 (BTEC 170 & 171 at Skyline College) — Grades 11 & 12

Year Course
Fulfills “d” of UC/CSU A-G admission requirements

DUAL ENROLLMENT ELIGIBLE (SKYLINE COLLEGE)

Prerequisite: "C" or better in Biotechnology 1&2 and concurrent enrollment in chemistry or higher.

Biotechnology Year 2 is a one-year laboratory course with dual enrollment at Skyline Community College designed to provide students with ongoing exposure to scientific concepts and some sophisticated laboratory research techniques currently used in the field of biotechnology. Students will continue to develop their laboratory skills, record-keeping systems, critical thinking, and reading and communication skills. In laboratory experiments, students will focus on elevating and mastering Biotechnology 1 & 2 concepts, as well as exploring plant biology, agricultural biotechnology, and pharmaceutical development. Students will explore applications of biotechnology ranging from bioremediation, plant hybridization, bioinsecticides, and human therapeutics. Students will also continue to evaluate and explore career opportunities in the field.

Biotechnology 5 & 6 (BTEC 484 & 486 at Skyline College) — Grade 12

Year Course (SSFHS Only)

UC/CSU Designation: Pending

DUAL ENROLLMENT ELIGIBLE (SKYLINE COLLEGE)

Prerequisite: "C" or better in Biotechnology 3-4 and 5-6 instructor approval OR Consent of instructor.

Biotechnology Independent Research is a research-orientated laboratory experience designed to promote discovery of novel bacterial viruses (phages). Students work in teams to conduct research projects that incorporate microbiology, virology, molecular biology, and the use of bioinformatics tools and computational analysis software. First semester emphasis is on hypothesis-driven research on phage biology, reading and understanding scientific literature, and improving critical thinking skills such as evaluating hypotheses and identifying sources of errors. Second semester will focus on quantitative data analysis, viral genome annotation, and presentation skills. At the end of the course, students will produce a seminar-style presentation and a research paper describing their research project.

Hospitality, Tourism, and Recreation

Culinary Arts 1 — Grades 9, 10, 11 & 12

Year Course (ECHS only)

Fulfills “g” of UC/CSU A-G admission requirements

Culinary Arts 1 is an introductory course in the Food Service and Hospitality pathway. Students will learn the management and culinary skills needed for a career in the restaurant and foodservice industry with an emphasis on safety, sanitation, and kitchen management essentials. Students will participate in hands on labs throughout the course to enhance their learning opportunities. Guest speakers and field trips will provide college and career awareness within the foodservice industry. Students who complete this course may earn a Food Handler’s Certification.

Culinary Arts 2 — Grades 11 & 12

Year Course (ECHS only)

Fulfills “g” of UC/CSU A-G admission requirements

Prerequisite: "C" or better in Culinary Arts 1 or teacher recommendation

A continuation course for Culinary Arts, students will continue to learn the management and culinary skills needed for a career in the restaurant and foodservices industry. The curriculum focuses on safety, sanitation, nutrition, cost analysis, sustainability, and global cuisine. Students will participate in group and individual hands-on labs throughout the course to challenge their skills and techniques. Guest speakers and field trips will provide college and career awareness within the foodservice industry. Students who complete this course may earn a ServSafe Food Protection Manager Certification.
Information and Communication Technologies

**Computer Applications 1 — Grades 9, 10, 11 & 12**
Semester Course (ECHS Only)
Fulfills SSFUSD graduation requirement only
Computer Applications is a one-semester course that provides the foundational skills necessary to succeed in high school and all post-secondary careers. Curriculum includes word processing, spreadsheets, presentation software, proper keyboarding technique, internet safety and security, conducting valid research online, and digital collaboration. Up to 3 units of credit may be earned at Skyline College by successfully completing the class and passing challenge exams.

**Exploring Computer Science — Grades 9, 10, 11 & 12**
Year Course
Fulfills “g” of UC/CSU A-G admission requirements
Prerequisites: Approval of instructor, or "C" in both semesters of Geometry is recommended
Introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of the course is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues.

**AP Computer Science (Advanced Placement) — Grades 10, 11 & 12**
Year Course
Fulfills “g” of UC/CSU A-G admission requirements
Prerequisites: “C” or better in Exploring Computer Science, or "C" in both semesters of Geometry, or approval of instructor.
Students will learn to solve problems with a computer using the Java Programming Language. In using Java, students will learn about Object-Oriented Program Design, Program Implementation, Program Analysis, Standard Data Structures, Standard Algorithms, and Computing in Context.

Transportation

**Automotive Technology — Grades 9, 10, 11 & 12**
Year Course
Fulfills “g” of UC/CSU A-G admission requirements
**DUAL ENROLLMENT ELIGIBLE (SKYLINE COLLEGE)**
Prerequisite: None
The Automotive Technology course is the beginning class in the series of courses designed to assist students with the college and career readiness skills in the transportation industry sector. In this course, students will begin building a foundational understanding of basic automotive theory and skills of automotive practices in construction, care, maintenance, and repair. Both classroom and hands-on labs experiences are used. Students will demonstrate their learning by passing a check-list of skills in the areas of:


**Advanced Automotive Technology — Grades 10, 11 & 12**
Year Course
Fulfills “g” of UC/CSU A-G admission requirements
Prerequisites: “C” grade in previous class, teacher recommendation
Prerequisites: “C” grade in previous class, teacher recommendation
This is a second year course in a high-quality sequence of courses leading to college and career readiness. This course will help the student develop the skills and related technical knowledge of automotive services necessary to meet articulation with the local community colleges or job entry requirements with a strong base for growth and continued education within the industry. The course provides exposure to the operation and service of the principle components of the automobile by
methods of lecture, demonstration, reading, written work and shop assignments. Students will learn and use industry standard procedures and equipment. **MBRFC**

**Work Based Learning**

These courses can apply to any CTE pathway depending on the placement and location.

**Exploratory Work Experience — Grades 11 & 12**
Semester Course
Fulfills SSFUSD graduation requirement only
Prerequisite: Approval of Work Experience Coordinator, good attendance record and a minimum 2.0 cumulative gpa required.

Exploratory Work Experience is a program designed to offer students high school credit for exploring different career fields by volunteering at a variety of non-profit community agencies in the South San Francisco area. For example, students may work with young children, explore elementary school teaching, help senior citizens, or develop clerical skills. Many of the positions where students can learn new skills are at nearby elementary schools and child care centers. Other work sites include the local Boys' and Girls' club, army/navy recruiting stations, city hall, public libraries, and senior citizens centers. **MBRFC**

**Work Experience Education — Grades 11 & 12**
Semester Course
Fulfills SSFUSD graduation requirement only
Prerequisite: Approval of Work Experience Coordinator.

Work Experience Education is on-the-job training which allows students to learn as they earn. The course emphasizes supervised work with pay for school credit. It is the combined effort of school and community enabling students to discover, through the workplace, their career interests and aptitudes. To be eligible, students must be in their junior or senior year and at least sixteen years old. Students can earn five or ten credits based upon the number of hours employed, completion of work related instruction, the presentation of weekly time cards, and attendance at weekly student-teacher meetings. **MBRFC**

**Career Technical Work Experience - Grades 11 & 12**
Semester Course
Fulfills SSFUSD graduation requirement only
Prerequisite: Approval of Work Experience Coordinator.

Career Technical Work Experience is for the student who is working in a pathway specific job placement or internship. The course is an opportunity for the student to gain valuable paid work experience in their pathway field while earning credits at the high school. To be eligible, students must be in their junior or senior year and at least sixteen years old. Students can earn five or ten credits based upon the number of hours employed, completion of work related instruction, the presentation of weekly time cards, and attendance at weekly student-teacher meetings. **MBRFC**

**Electives / Other**

**AVID 9, 10, 11 & 12 (Advancement Via Individual Determination)**
Four-Year Sequence of Courses
AVID 9, 10, 11 & 12 fulfill “g” of UC/CSU A-G admission requirements
AVID is a college readiness program designed to help students develop the skills they need to be successful in college. The program places special emphasis on growing writing, critical thinking, teamwork, organization and reading skills. AVID provides intensive academic support with tutorials and strong student/teacher relationships, and creates a positive peer group for students. College and career exposure is central to the AVID mission. Students in the AVID program are expected to enroll in the AVID elective course in each of their four years of high school, to take at least two higher-level courses (such as honors, AP, college courses) and apply to a four-year college or university during their high school career. Applications for admission to the program are available during the course selection process.

**Clerical Aide — Grades 11 & 12**
Year Course
This course is designed to prepare students for employment in a dynamic and professional office environment. Students take on a high-level of responsibility working directly with administrators, counselors and clerical staff to develop professional communication, customer service, organizational, and time management skills. **MBRFC**

**Credit Recovery/Edgenuity — Grades 9, 10, 11 & 12**

Semester Course
This course is designed for students who have become credit deficient in their high school graduation requirements. Edgenuity is the online coursework that allows students to recuperate these credits. Students will be enrolled in the course and will decide on the program through coordination with their high school counselor. This course provides students with an additional learning option during the regular school day. Students will need to develop the skills to become a self-disciplined learner, critical for 21st century workplace and college options. Credits are not earned from enrollment in the section but through the courses completed through Edgenuity’s web-based program. **See your counselor for details.**

**Hermanos/Hermanas Seminar - Transition to College**
32-36 Hours/Semester (SSFHS only)
Concurrent Enrollment at Skyline College
Course explores student’s attitudes toward learning and college. Designed to facilitate the transition from high school to college. Focus on understanding the college/university systems, college resources, and developing key student skills such as time management, self-esteem, and goal setting. Transfer credit: CSU.

**Kapitiran Seminar - Transition to College**
32-36 Hours/Semester (SSFHS only)
Concurrent Enrollment at Skyline College
Exploration of attitudes toward learning and college in the context of the Filipino American experience. Designed to facilitate the transition from high school to college while taking into account Filipino American community issues. Includes understanding of the college/university systems, college resources, and developing key student skills such as time management, self-esteem, goal setting, emotional intelligence, and relationship building. **Transfer credit: CSU.**

**Peer Leadership — Grades 11 & 12**
Year Course
This clerical aide course allows students to work with peers of all grades who need support with academic concerns, organization, decision-making, personal problems, etc. Responsibilities range from facilitating conflict mediation sessions to providing campus tours for inter- and intra-district student transfers. Peer Leaders will learn about how to practice confidentiality, empathy, and active listening skills. Training for Peer Leaders takes place in the fall where communication, goal-setting, assertiveness, values decision-making skills, conflict mediation etc., are taught. This is a No-Content area class. **MBRFC**

**Student Leadership — Grades 9, 10, 11 & 12**
Year Course
This semester course is designed to provide enriching experiences in government to students through a combination of instructional activities. Students have the opportunity to study basic concepts of democratic government, the meaning and techniques of leadership, and the use of parliamentary procedures. **MBRFC**

**Teaching Assistant — Grades 11 & 12**
Year Course
This course allows students to serve as teaching assistants in class. **MBRFC**
English Language Arts

**English 1CP (College Prep) — Grade 9**
Year Course
Fulfills “b” of UC/CSU A-G admission requirements
This class is aligned with the Common Core State Standards (CCSS) for grades 9-10. It introduces world literature, focusing on exploration of novels, short stories, drama, mythology and non-fiction. Writing instruction includes the expository essay, business and technical writing and autobiographical/biographical essays. Grammar instruction focuses on the parts of speech and sentences, phrases, punctuation and sentence construction. There is a specific technology focus at each high school. Summer reading is assigned for all students.

**English 1 Honors — Grade 9**
Year Course
Fulfills “b” of UC/CSU A-G admission requirements
This is an intensive honors level class designed to meet the needs of students performing at an advanced level for their grade. Extensive reading and writing are required. Students are expected to have strong critical analysis, reading and writing skills. Students can expect to complete all parts for the summer assignment, read a minimum of four novels or plays over the course of the year, write a minimum of two essays per quarter, and adhere to high expectations for meeting deadlines, communicating with teachers, and displaying academic responsibility and maturity.

**English 2CP (College Prep) — Grade 10**
Year Course
Fulfills “b” of UC/CSU A-G admission requirements
This course bridges ninth grade world literature with eleventh grade American literature in classes aligned to the Common Core State Standards (CCSS). It focuses on multicultural literature that reflects the culturally diverse population in our school community. Other novels/plays are selected by the instructor from the district reading list for tenth grade. Writing instruction focuses on the expository essay, biographical narratives/character sketches, persuasive essay and a career research report. Grammar instruction builds upon basic skills taught in ninth grade with an emphasis on subject verb agreement and effective sentence construction and variation. Summer reading is assigned for all students.

**English 2 Honors — Grade 10**
Year Course
Fulfills “b” of UC/CSU A-G admission requirements
This is an intensive honors level class designed to meet the needs of students performing at an advanced level for their grade. Extensive reading and writing are required. Students are expected to have strong critical analysis, reading and writing skills. Students can expect to complete all parts for the summer assignment, read a minimum of four novels or plays over the course of the year, write a minimum of two essays per quarter, and adhere to high expectations for meeting deadlines, communicating with teachers, and displaying academic responsibility and maturity.

**English 3CP (College Prep) — Grade 11**
Year Course
Fulfills “b” of UC/CSU A-G admission requirements
This course includes a survey of American literature in classes that are aligned to the state language arts standards. Teachers use both chronological and thematic approaches. Grammar focuses on correct use of verbs, phrases and clauses. Writing focus areas include response to literature, narrative writing, compare/contrast essays and multimedia presentations. Basic research skills are reviewed. Summer reading is assigned for all students.

**English 4 – Expository Read & Writing Course (ERWC) — Grade 12**
Year course
Fulfills “b” of UC/CSU A-G admission requirements
This class, developed by the UC/CSU system, is designed for college-bound seniors who want to prepare for the rigors of college level reading and writing across subject matter. The emphasis is on rhetorical reading and writing, argumentative writing, critical thinking, and author argument. Extensive writing and reading is done throughout the year, with an emphasis on expository reading.

**AP Language & Composition (Advanced Placement) — Grade 11**
Year Course
Fulfills “b” of UC/CSU A-G admission requirements
In this college-level course, students will complete all parts of the summer assignment, write at least one essay every 1-2 weeks, read 5-6 books of fiction and nonfiction over the course of the year and will learn to compose and closely analyze a variety of nonfiction text including: exposition, narration, persuasion, speech, film, art and advertisement. Students will examine the purposes, audience expectations and subjects of a variety of written forms. Close attention will be paid to the conventions and constructions of language as they contribute to effectiveness in writing.

**AP Literature and Composition (Advanced Placement) — Grade 12**
Year Course
Fulfills “b” of UC/CSU A-G admission requirements
This college-level course includes an intensive study of British and American Literature. The course covers 9-10 novels, an average of 1-2 weekly essays, critical analysis of poetry, and a focus on literary interpretation. Students are prepared for and are expected to take the advanced placement test in the spring. Passing the AP test makes a student eligible for college credit for this course. Critical thinking and analytical writing skills are emphasized. Extensive reading and writing are assigned throughout the year. Students are required to complete summer reading.

**Journalism 1 — Grades 9, 10, 11 & 12**
Year Course (SSFHS only)
Fulfills SSFUSD graduation requirement only
This is a one-year course introducing students to the field of journalism. This class includes newsgathering techniques, press law and ethics, new trends in journalism, methods of printing, different types of newswriting, photography, layout and design, and advertising. The course covers the first steps of newsgathering to the final stages of production.

**Yearbook Production — Grades 9, 10, 11 & 12**
Year Course
Fulfills SSFUSD graduation requirement only
This class is responsible for the production of the school yearbook. Students are instructed in basic journalistic skills in the areas of layout, design, writing, business, and photography. MBRFC

**English Language Development**

The English Language Development (ELD) program serves beginning and intermediate level English Learners (ELs) who are new to school in the United States. The goal of the program is to enable students to communicate effectively in English for academic, social, and career success. Students take one to three ELD classes a day and are eligible to take ELD classes with other EL students in the Social Studies, Math, and Science departments. Students exit the ELD program as soon as they are able to succeed in mainstream English. Most students exiting the program are still ELs; however, their level of English fluency is high enough for their success in mainstream English.

**ELD 1 — Grades 9, 10, 11 & 12**
Year Course (SSFHS only)
Prerequisite: Enrollment date, test results, and teacher recommendation
This course is for newcomers/beginning ELs. Students develop their speaking, listening, reading, and writing skills. In most cases, students in this course also take Algebra 1 (EL) or Geometry (EL), Biology (EL) or Earth Science (EL), and US History (EL) or World History (EL). MBRFC

**ELD Lab 1 — Grades 9, 10, 11 & 12**
Year Course (SSFHS only)
This course is taken concurrently with ELD 1. This course is offered to students whose native language is not English. It is structured as a beginning language dealing with survival skills in oral English. Primary language support is available in this course. MBRFC once.

**ELD 2 — Grades 9, 10, 11 & 12**
Year Course (SSFHS only)
No CSU/UC admission requirements met by this course
Prerequisite: Enrollment date, test results, and teacher recommendation
This course is for novice ELs. Students develop their speaking, listening, reading, and writing skills. In most cases, students in this course also take Algebra 1 (EL) or Geometry (EL), Biology (EL) or Earth Science (EL), and US History (EL) or World History (EL). MBRFC

**ELD Lab 2 — Grades 9, 10, 11 & 12**
Year Course (SSFHS only)
Prerequisite: Test and teacher recommendation
This course is taken concurrently with ELD 2. This course is offered to students whose native language is not English. Emphasizing further development of conversational skills, this course includes additional written practice in grammar, phonetics, sentence development, and short paragraphs. MBRFC once.

**ELD 3 — Grades 9, 10, 11 & 12**
Year Course
Prerequisite: Enrollment date, test results, and teacher recommendation
Fulfills “b” of UC/CSU admission requirement. This course is for advanced ELs. Students develop their speaking, listening, reading, and writing skills. This course is designed for students who have mastered or possess the skills offered in ELD 1 and ELD 2. Emphasis is placed on increasing vocabulary skills and the use of idioms, short compositions, reading, and grammar. MBRFC

**ELD Lab 3 — Grades 9, 10, 11 & 12**
Year Course
Prerequisite: Enrollment date, Test and Teacher recommendation; Concurrent enrollment in English 1. This course is for intermediate ELs and is designed as a bridge from ELD to mainstream English. To exit ELD 3 and go into mainstream English, students must read at the 8th grade level and be able to write a coherent essay. MBRFC

**Mathematics**

**Students must successfully complete one year of Algebra 1 or a higher level math course to be eligible to graduate.**

**Algebra 1 — Grades 9, 10, 11 & 12**
Year Course
Fulfills “c” of UC/CSU A-G admission requirements
The course is aligned with the Common Core State Standards for Algebra 1. Topics include signed numbers and properties of real numbers, equations, inequalities, functions, lines, systems of equations and inequalities, polynomials and exponents, factoring, quadratic functions, rational functions and equations, and radical functions and equations. Successful completion of Algebra 1 or a higher level Math Course is a graduation requirement.

**Algebra 1 (EL) — Grades 9, 10, 11, 12**
Year Course (SSFHS only)
Prerequisite: Concurrent enrollment in ELD 1-2 or classified as a long-term English Learner
The curriculum and standards in this course parallel the mainstream course. The teacher scaffolds the material to make it accessible to ELs.

**Geometry — Grades 9, 10, 11 & 12**
Year Course
Fulfills “c” of UC/CSU A-G admission requirements
Prerequisite: Completion of Algebra 1 or teacher recommendation
The course is aligned with the Common Core State Standards for Geometry. Topics include undefined terms, geometric reasoning, parallel and perpendicular lines, triangle congruence, properties of triangles, quadrilaterals and polygons,
similarity, right triangle trigonometry, perimeter, circumference and area, volume and surface area, circles, and transformational geometry.

**Geometry (EL) — Grades 9, 10, 11 & 12**
Year Course (SSFHS only)
Prerequisite: Concurrent enrolment in ELD 1-2.
The curriculum and standards in this course parallel the mainstream course. The teacher scaffolds the material to make it accessible to ELs.

**Algebra 2 — Grades 9, 10, 11 & 12**
Year Course
Fulfills “c” of UC/CSU A-G admission requirements
Prerequisite: “C” or better in both semesters of Geometry and a “C” or better in both semesters of Algebra 1
The course is aligned with the Common Core State Standards for Algebra 2. Topics include functions, equations and their graphs, linear systems, quadratic functions, polynomial expressions and functions, radical expressions and functions, rational expressions and functions, exponential and logarithmic functions, conic sections, sequences and series, probability and statistics, and matrices.

**Honors Algebra 2 — Grades 9, 10, 11 & 12**
Year Course
Fulfills “c” of UC/CSU A-G admission requirements
Prerequisite: “A” in both semesters of Algebra 1, “A” in both semesters of Geometry
The course is aligned with the Common Core State Standards for Algebra 2, but places an emphasis on rigor and advanced problem solving.

**Precalculus — Grades 9, 10, 11 & 12**
Year Course
Fulfills “c” of UC/CSU A-G admission requirements
Prerequisite: “C” grade or better in both semesters of Algebra 2 or teacher recommendation
The course is aligned with selected Common Core State Standards (CCSS) for Mathematical Analysis, Linear Algebra, and Trigonometry. Fall semester topics include functions and their graphs, the arithmetic of complex numbers, exponential and logarithmic functions, and topics in analytic geometry. Spring semester topics include radian measure, trigonometric functions and their graphs, problem solving using trigonometric relationships and laws, identities, and solving trigonometric equations.

**Probability and Statistics — Grades 10, 11 & 12**
Year Course
Fulfills “c” of UC/CSU A-G admission requirements
Prerequisite: “C” grade or better in both semesters of Algebra 2 or Precalculus.
The course is aligned with selected Common Core State Standards (CCSS) for Statistics & Probability. Topics include basic principles of descriptive statistics, exploratory data analysis, design of experiments, sample distributions and estimation, fitting models to data, measuring and interpreting probability. Examples from games of chance, business, medicine, policy-making, the natural and social sciences, and sports will be explored. A graphing calculator (TI-83) is required for the course.
It is used extensively as a learning tool to expose students to the power and simplicity of statistical software for data analysis.

**AP Calculus AB (Advanced Placement) — Grade 11 & 12**
Year Course
Fulfills “c” of UC/CSU A-G admission requirements
Prerequisite: “B” or better grade in both semesters of Precalculus or teacher recommendation
The course is aligned with the AP Calculus AB Content Standards published by the College Board. Topics include the use of a graphing calculator, limits, the average and instantaneous rates of change, derivatives (rules for differentiation, implicit differentiation, and higher derivatives), graphical analysis using derivatives, L’Hospital’s Rule, continuity theorems (Intermediate Value Theorem, Extreme Value Theorem, Rolle’s Theorem, and the Mean Value Theorem), applications of the derivative (motion, optimization, linear approximation, and scientific contexts), antiderivatives, Riemann sums, the definite
integral, the Fundamental Theorem of Calculus, the average value of a function, applications of the integral (area, volume, and scientific contexts), simple differential equations (including exponential growth and decay), and slope fields.

Physical Education

Students who cannot participate in physical education for medical reasons must have a doctor’s statement on file in the school excusing them from participation in the 9th or 10th grade. A doctor’s excuse is only valid for a maximum of one year. All grade levels will participate in school site fitness assessment testing at least twice in a school year.

Any student who suffers a medical condition and is unable to participate in any physical activity which exceeds 6 weeks (30 school days) within a semester shall be placed on a modified Physical Education program, exempted from the Physical Education course requirement (Ed Code Section 51241) for that time period with which they are ill or injured, or placed on an alternative program that meets the criteria for that course.

After completing Year 1 of the CORE Physical Education Requirement, a student can gain a waiver for up to two years of PE in grades 10-12 and can receive credit for the Physical Education requirement or Fine Arts credit or Elective credit by taking Dance 1, 2, 3, or 4.

Physical Education — Grades 9 & 10
Year Course
Fulfills SSFUSD graduation requirement only
The required Physical Education core curriculum for grades 9 and 10 is designed to give students of varied skill and coordination levels beginning learning experiences in each of the following five areas: aquatics, self-defense, body development and fitness, individual/dual sports, and team sports. A learning progression of individual skill development is emphasized in conjunction with the development of endurance, strength, flexibility, and conceptual learning specific to each activity unit. In the 10th Grade there shall be an elective program of not less than one quarter or more than one semester of elective unit activities. These units shall consist of: Aquatics, Self Defense, Individual/Dual Sports, Team Sports, Body Conditioning/Aerobics, Physical Fitness.

Physical Education — Grades 11 & 12 (Elective Program)
(Required for graduation if student has not passed the California State Physical Fitness Test in Grades 9 or 10)
Semester Course
Fulfills SSFUSD graduation requirement only
The elective Physical Education curriculum for grades 11 and 12 is designed to give students of varied abilities and interest learning experiences with an emphasis on lifetime sports. Self-assessment and the continued development of endurance, strength, flexibility, and conceptual learning specific to each activity unit are primary program goals. Students will take part in a combination of both team sports (9th grade focus) and/or individual sports (10th grade focus) depending on the availability of the facilities not taken over by the CORE courses. Similar to the 9th and 10th grade courses, these students may undergo both skills tests and knowledge tests accordingly.

Advanced Physical Education — Grades 11 & 12 (Elective Program)
Semester Course
Fulfills SSFUSD graduation requirement only
Prerequisite: Consent of Athletic Director and/or previously enrolled Physical Education Instructor
This course is designed for students interested in strength and conditioning. This course may not be used as a make-up/substitute for the 9th-10th CORE Physical Education requirement. MBRFC

Dance 1, 2, 3, 4 — Grades 10, 11 & 12
Please see course descriptions in the “Visual and Performing Arts” section of this handbook.

Yoga — Grades 9, 10, 11 & 12
Semester Course (ECHS only)
Fulfills SSFUSD graduation requirement only
This course is designed to introduce and expose students to the practice of yoga as an integrated part of their Physical Education experience as well as a vehicle to discover the importance of connecting their mind with their physical well-being. The applications throughout the course allow students to experience the immediate benefits of yoga and adopt the
ideals as a lifelong practice. Yoga benefits include greater flexibility, improved strength, balance, posture and overall awareness of the body through relaxation and breathing activities. For all grades as an elective course, not to be used in place of 9th or 10th grade Core Physical Education. MBRFC

Science

**Biology — Grades 9, 10, 11 & 12**
Year Course
Fulfills “d” of UC/CSU A-G admission requirements
This course includes the nature of scientific investigation, the history of biological concepts, the relationship of organisms to the environment, the function of animal physiology and an overview of evolution. This course may also include a biotechnology unit. This course is required for all students wishing to enter a UC or CSU.

**Biology (EL)**
Year Course (SSFHS only)
Prerequisite: Concurrent enrolment in ELD 1-3 or classified as a long-term English Learner
The curriculum and standards in this course parallel the mainstream course. The teacher scaffolds the material to make it accessible to ELs.

**AP Biology (Advanced Placement) — Grades 11 & 12**
Year Course
Fulfills “d” of UC/CSU A-G admission requirements
Prerequisite: “A” in Biology, “A” in Chemistry, or teacher recommendation
Advanced Placement Biology is a second-year elective class in Biology. It is a college preparatory course and fulfills one year of the CSU/UC lab requirements. Additionally, students will complete all labs and requirements mandated by the College Board. The course is highly recommended for students who will be studying a biological science in college.

**Biotechnology 1 & 2 (BTEC 400 at Skyline College) — Grades 10, 11 & 12**
Year Course
Fulfills “d” of UC/CSU A-G admission requirements
**DUAL ENROLLMENT ELIGIBLE**
Prerequisite: “C” or better in Biology and concurrent enrollment in Algebra 1 or higher.
Biotechnology Year 1 is a one-year laboratory course with dual enrollment at Skyline Community College, designed to give students an introduction to the scientific concepts and basic laboratory research techniques currently used in the field of biotechnology. First semester starts with a focus on mastering basic standard laboratory operating procedures, extensive record-keeping through a laboratory notebook, communication skills, safety, and proper use of equipment. Over the course of the year, students will learn about growing bacteria cells, using a microscope, DNA and protein isolation, and genetic engineering. Through extensive research and laboratory experience, students will also evaluate career opportunities in the field.

**Biotechnology 3 & 4 (BTEC 170 & 171 at Skyline College) — Grades 11 & 12**
Year Course
Fulfills “d” of UC/CSU A-G admission requirements
**DUAL ENROLLMENT ELIGIBLE**
Prerequisite: “C” or better in Biotechnology 1 & 2 and concurrent enrollment in chemistry or higher.
Biotechnology Year 2 is a one-year laboratory course with dual enrollment at Skyline Community College designed to provide students with ongoing exposure to scientific concepts and some sophisticated laboratory research techniques currently used in the field of biotechnology. Students will continue to develop their laboratory skills, record-keeping systems, critical thinking, and reading and communication skills. In laboratory experiments, students will focus on elevating and mastering Biotechnology 1 & 2 concepts, as well as exploring plant biology, agricultural biotechnology, and pharmaceutical development. Students will explore applications of biotechnology ranging from bioremediation, plant hybridization, bioinsecticides, and human therapeutics. Students will also continue to evaluate and explore career opportunities in the field.
**Biotechnology 5 & 6 (BTEC 484 & 486 at Skyline College) — Grade 12**

Year Course (SSFHS Only)

UC/CSU Designation: Pending

**DUAL ENROLLMENT ELIGIBLE**

Prerequisite: "C" or better in Biotechnology 3-4 and 5-6 OR consent of instructor.

Biotechnology Independent Research is a research-orientated laboratory experience designed to promote discovery of novel bacterial viruses (phages). Students work in teams to conduct research projects that incorporate microbiology, virology, molecular biology, and the use of bioinformatics tools and computational analysis software. First semester emphasis is on hypothesis-driven research on phage biology, reading and understanding scientific literature, and improving critical thinking skills such as evaluating hypotheses and identifying sources of errors. Second semester will focus on quantitative data analysis, viral genome annotation, and presentation skills. At the end of the course, students will produce a seminar-style presentation and a research paper describing their research project.

**Chemistry — Grades 10, 11 & 12**

Year Course

Fulfills “d” of UC/CSU A-G admission requirements

Prerequisite: "C" grade in Biology, and Algebra 1, or “C” grade or concurrent enrollment in Geometry.

Chemistry is a college preparatory lab science course using experimentation to introduce the qualitative and quantitative principles of chemistry. This course is recommended for those students aspiring to a university degree or who plan to seek a career in a scientific field.

**Chemistry Honors — Grades 10 & 11**

Year Course

Fulfills “d” of UC/CSU A-G admission requirements

Prerequisite: “A” in Biology, completion of Algebra 1, Geometry, or concurrent enrollment in Algebra 2

This course is a college preparatory lab science course utilizing experimentation to introduce the principles of chemistry. Both experiments and principles are emphasized through discussion and problem solving. This course offers a study of the nature of matter, atomic theory, the states of matter, kinetic theory, chemical bonding, properties of solution, acids and bases, chemical reactions, ionization, equations, and chemical calculations. Honors Chemistry demands a more detailed and in depth understanding of the subject matter.

**AP Chemistry — Grades 11 & 12**

Year Course (Offered Bi-Anually)

Fulfills “d” of UC/CSU A-G admission requirements

Prerequisite: “A” in Chemistry or “B” in Chemistry Honors, concurrent enrollment in Algebra 2, or Consent of Instructor

The AP Chemistry course provides students with training for such knowledge and skills through guided inquiry labs, a focused curriculum on content relevant to today’s problems, and an exam that assesses students’ mental models of the particulate nature of matter instead of memorization of rules to understand chemistry. The AP Chemistry course is designed to be taken only after the successful completion of either Chemistry or Chemistry Honors.

**Earth Science — Grades 9, 10, 11 & 12**

Year Course

Fulfills “g” of UC/CSU A-G admission requirements

This course is designed to fulfill the physical science requirement for high school graduation. Earth Science is a college preparatory course designed to provide students with broad-base background and appreciation of our ever-changing planet and its place in our universe, provide quantitative analysis and experimentation tools to develop student’s scientific and critical thinking skills, and to provide extensive preparation and comprehensive coordination between botany, mineralogy, meteorology, astronomy, physics, and the Earth sciences.

**Earth Science (EL)**

Year Course (SSFHS only)

Prerequisite: Concurrent enrolment in ELD 1-2 or classified as a long-term English learner

The curriculum and standards in this course parallel the mainstream course. The teacher scaffolds the material to make it accessible to ELs.
**Human Anatomy and Physiology — Grades 11 & 12**  
Year Course  
Fulfills “d” of UC/CSU A-G admission requirements  
Prerequisite: “C” in Biology and “C” in Chemistry, or teacher recommendation  
Human Anatomy and Physiology is a college preparatory lab science elective course for the student interested in a career that requires an understanding of the basic principles of biology and human physiology. This course is recommended for those students who will be seeking additional education in the biological sciences and especially those students interested in vocations in the medical professions.

**Marine Science — Grades 11 & 12**  
Year Course  
Fulfills “d” of UC/CSU A-G admission requirements  
Prerequisite: “C” in Biology, “C” in Chemistry or “C” in Earth Science  
Marine Science is a college preparatory lab science elective course meeting CSU and UC lab science requirements. It is intended for students seeking additional education or careers in Oceanography, Environmental or Ecological sciences. Students will experience field work through data collection and analysis of local species. This course is intended to unify the fundamental concepts of Biology, Chemistry and Physics.

**Physics — Grades 11 & 12**  
Year Course  
Fulfills “d” of UC/CSU A-G admission requirements  
Prerequisite: Completion or concurrent enrollment in Precalculus, “C” grade in Chemistry, or teacher recommendation  
Physics is a college preparatory lab science course that allows students to learn the principles of physics through a wide variety of laboratory experiments and projects. The main topics covered in physics are Forces and Motion, Conservation of Energy and Momentum, Heat and Thermodynamics, Waves, and Electricity and Magnetic Phenomena. The course is intended to complete the trilogy of fundamental science, which includes Biology, Chemistry and Physics.

**AP Physics 1 — Grades 11 & 12**  
Year Course  
Fulfills “d” of UC/CSU A-G admission requirements  
Prerequisite: Completion or concurrent enrollment in Precalculus, “B” grade in Chemistry, “B” in Algebra II  
Advanced Placement Physics 1 fulfills one semester of the CSU/UC lab requirements. This course is an algebra-based, introductory college-level physics course where students use inquiry-based investigations as they explore topics in Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory electrical circuits. This class is highly recommended for students who will be studying science in college.

**Social Science**

**Health — Grades 9, 10, 11 & 12**  
Semester Course  
Fulfills SSFUSD graduation requirement only  
A course designed to cover areas required by the state of California in Health. The course deals with health-related subjects which include CPR, first aid, alcohol, tobacco, narcotics, STIs and reproductive health.

**Modern World History — Grade 10**  
Year Course  
Fulfills “a” of UC/CSU A-G admission requirements  
The Modern World History course examines the major events from the 1700s to the present day that helped shape the modern world, as we know it. This course will study the rise of democratic ideas, the French Revolution, the Industrial Revolution, Imperialism, WWII, the Cold War, and will end with the study of contemporary issues and Globalization. Included will be the analysis of historical themes present in different events, as well as cause and effect relationships throughout time.

**AP European History (Advanced Placement) — Grade 12**  
Year Course (SSFHS Only)
Fulfills “a” of UC/CSU A-G admission requirements
AP European History is a college-level course. In AP European History, students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. Students develop and use skills, practices, and methods to analyzing primary and secondary sources; develope historical arguments; make historical comparisons; and utilize reasoning about contextualization, causation, and continuity and change over time. The course also provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; individual and society; and national and European identity.

**Modern World History (EL)**
Year Course (SSFHS only)
Prerequisite: Concurrent enrolment in ELD 1-2 or classified as a long-term English Learner
The curriculum and standards in this course parallel the mainstream course. The teacher scaffolds the material to make it accessible to ELs.

**AP World History (Advanced Placement) — Grade 10**
Year Course
Fulfills “a” of UC/CSU A-G admission requirements
AP World History is a college-level course focusing on developing students' understanding of world history from approximately 1200 CE to the present. The course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods employed by historians in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania.

**United States History — Grade 11**
Year Course
Fulfills “a” of UC/CSU A-G admission requirements
This course examines the major turning points in American history and concentrates on the twentieth century. Among the topics reviewed will be the Progressive Era, the Jazz Age, the Great Depression, World War II, the Cold War, Watergate, and the Reagan Years.

**United States History (EL)**
Year Course (SSFHS only)
Prerequisite: Concurrent enrolment in ELD 1-2 or classified as a long-term English Learner
The curriculum and standards in this course parallel the mainstream course. The teacher scaffolds the material to make it accessible to ELs.

**AP United States History (Advanced Placement) — Grade 11**
Year Course
Fulfills “a” of UC/CSU A-G admission requirements
Prerequisite: Teacher Recommendation
An advanced survey course geared towards developing: an appreciation for and understanding of the process of historical inquiry; an understanding of the history of the U.S. in political, economic, social and cultural terms; and focusing on improvement of writing, research, and critical reading skills.

**American Government — Grade 12**
Semester Course
Fulfills “a” of UC/CSU A-G admission requirements
Students will gain a working understanding of the American Government. The curriculum is tailored so that it reflects the democracy in which we live by encouraging participation, interest, and representation. By the end of the semester the students will have gained an understanding of the Constitution, Civil Rights, the use of the Media, Political Parties, the Election Process, local government, state government, the court system, and the federal government's three branch system.

**AP American Government & Politics (Advanced Placement) — Grade 12**
Semester Course (ECHS Only: Students enrolled in AP Government are expected to take AP Macroeconomics)
Fulfills “a” of UC/CSU A-G admission requirements
This course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. Major units include: Constitutional Underpinnings of United States Government; Political Beliefs and Behaviors; Political Parties; Interest Groups; Mass Media; Institutions of National Government: The Congress; The Presidency; The Bureaucracy and The Federal Courts; Public Policy; and Civil Rights and Civil Liberties.

AP Macroeconomics (Advanced Placement) — Grade 12
Year Course (ECHS only)
Fulfills “g” of UC/CSU A-G admission requirements
Prerequisite: Teacher Recommendation
(ECHS Only: Students enrolled in AP Macroeconomics are expected to take AP Government)
AP Macroeconomics is a one-semester college level course. At the end of this course each student will be prepared to take an AP Exam in Macroeconomics. Achievement on the AP test may allow students to earn up to three college credits. Macroeconomics is the understanding of economic principles and how they are applied to the economy. The program is aimed at providing students with the analytical skills necessary to deal with problems in the economy. The course aims at making students ready to take more advance economic courses in college.

Economics — Grade 12
Semester Course
Fulfills “g” of UC/CSU A-G admission requirements
Economics is designed to expose the student to the operations of the free market and competitive economic systems. Emphasis will be placed on free market operation and theory, supply & demand, the price system competition and the many roles played by the various government agencies in the free market. Students will be introduced to both micro and macroeconomic concepts. Students will be exposed to a financial planning unit in which each student will be expected to participate in a stock simulation.

Economics Honors — Grade 12
Semester Course (SSFHS Only)
Fulfills “g” of UC/CSU A-G admission requirements
An advanced study of economic concepts and theories which encompasses micro and macroeconomic principles. Students will be required to analyze primary economic data and prepare reports and make presentations on the same. Emphasis will be given to an examination and operation of the free market system, monetary & fiscal policies, and the role and functions of the Federal Reserve System. Stock simulation investment vehicles will be examined in depth.

Ethnic Studies — Grade 9, 10, 11 & 12
Semester Course (SSFHS Only)
Fulfills SSFUSD graduation requirement only
This course is an interdisciplinary course that comparative and historical perspectives to examine language, family structures and traditions, economic and social issues, political policies, and values of diverse groups within the United States. Students will critically examine the complexities of individual and community identity, how it is constructed and its connection to both power and privilege. By the end of the semester, students will have gained an understanding of the intersections among race, ethnicity, nationality, gender, class, age, sexuality, and religion.

Ethnic Studies Honors — Grade 11 & 12
Year Course (ECHS Only)
Fulfills “g” of UC/CSU A-G admission requirements
Ethnic Studies Honors is designed to give 11th and 12th grade students an introduction to the experiences of ethnic communities that are rarely represented in textbooks. It is also a compelling way to examine race, ethnicity, nationality, and culture in the United States. The course equips students with a critical lens to see the world and their place in it by understanding systems and power at the root of American society and aims to motivate students to actively engage in our democracy.

Psychology — Grades 11 & 12
Year Course (ECHS)/Semester Course (SSFHS)
Fulfills “g” of UC/CSU A-G admission requirements
Primarily a senior course, Psychology is also open to a limited number of juniors when space is available. This course offers the opportunity to develop a better understanding of why individuals behave as they do. Areas of study include the development of personality, emotional development, mental health, mental illness, psychoanalysis and behavior modification, learning and intelligence, family and social relationships, and communication. The content of the course relates to the problems that high school students may encounter. An elective course, it is not used as a makeup for other social studies classes. 

**World Geography and Culture — Grade 9**

Semester Course (ECHS Only)

Fulfills SSFUSD graduation requirement only

Designed for general level and college-prep freshman, this course serves as an introduction into *Modern World History.* Students will study the history, physical geography, politics, culture, literature, religion, architecture, social structure, and economy of the seven world regions. This course will provide students with a global awareness and a multicultural perspective, ultimately preparing students for their role as a global citizen in today’s world.

**Special Education**

The way Special Education student services are being reported to the State has changed, with the reauthorization of the Individuals with Disabilities Education Act (IDEA). The Individual Education Plan (IEP) will indicate the amount of time a student requires Specialized Academic Instruction (SAI) in terms of daily minutes. Students enrolled in the programs offered through the Department of Special Education will be assigned a Special Education case manager who schedules, classes, implements the student’s IEP (Individualized Education Plan) and acts as the liaison for the student, parent, classroom teacher, administration and academic counselor. The following support services are available: speech/language therapy, vocational assistance, and counseling via San Mateo County Health.

Students may be referred for special education assessment by their parent, teacher or school counselor. All requests for an evaluation are processed through the Student Study Team (SST).

State eligibility criteria must be met for a student to receive special education services. Placement services are determined by the IEP team. All efforts to provide instruction in the least restrictive environment are made.

**Transition Partnership Program (TPP)**

The Transition Partnership Program (TPP) connects high school students with disabilities to the California Department of Rehabilitation (DOR) and assists with their transition to work. TPP helps students overcome barriers to employment; assistance may include direct job development, vocational training, or post-secondary education. The TPP provides enhanced vocational rehabilitation services for at least one year prior to the student leaving high school. Services include training and school classes or programs to enable students to obtain employment. This may include community based instruction, vocational and work-site training, job placement, work incentive wages, and follow-up services. This is a cooperative program with the California Department of Rehabilitation.

**Workability 1**

The mission of Workability I (WAI) is to promote the involvement of key stakeholders including students, families, educators, employers and other agencies in planning and implementing an array of services that will culminate in successful student transition to employment, lifelong learning and quality of life. The WAI program provides comprehensive pre-employment skills training, employment placement and follow-up for high school students in special education who are making the transition from school to work, independent living and post-secondary education or training. The WAI program offers special education students the opportunity to complete their secondary education while also obtaining marketable job skills. The WAI program seeks employers in the business community who will give students with special needs a chance to prove themselves. The WAI program is a grant funded by the California Department of Education.

**Visual and Performing Arts**

All courses in this department meet the district fine arts requirement
**Art 1 — Grades 9, 10, 11 & 12**
Year or Semester Course
Fulfills “f” of UC/CSU A-G admission requirements
A general survey course covering work in principles and elements of design in a variety of art media. Reading and writing are a required part of the course.

**Art 2 — Grades 9, 10, 11 & 12**
Year or Semester Course
Fulfills “f” of UC/CSU A-G admission requirements
A continuation of Art 1. A general survey course covering work in principles and elements of design in a variety of art media. Reading and writing are a required part of the course. Successful completion of the course meets the District’s fine arts requirements.

**Art 3 — Grades 10, 11 & 12**
Year Course
Fulfills “f” of UC/CSU A-G admission requirements
Prerequisite: “C” in Art 1 and Art 2
Advanced study of painting and drawing with an emphasis on individual creative projects. Reading and writing are a required part of the course.

**Art 4 — Grade 12**
Year Course
Fulfills “f” of UC/CSU A-G admission requirements
Prerequisite: “C” in Advanced Art 1, 2, 3 or teacher recommendation
A continuing exploration of creative and individual artwork. The student may specialize in a particular area of interest. Reading and writing are a required part of the course.

**Advanced Art 5 — Grade 12**
Year Course
Fulfills SSFUSD graduation requirement only
Prerequisite: “C” in Advanced Art 1, 2, 3, 4 or teacher recommendation
A continuing exploration of creative and individual artwork. The student may specialize in a particular area of interest. Reading and writing are a required part of the course.

**Ceramics 1 — Grades 9, 10, 11 & 12**
Semester Course
Fulfills “f” of UC/CSU A-G admission requirements
An introductory course in ceramics. Students have an opportunity to explore a variety of ceramic techniques such as clay carving, pinch, slab, teacher recommendation and sculpture techniques. Basic glazing techniques and firing procedures are introduced. Reading and writing are a required part of the course.

**Ceramics 2 — Grades 9, 10, 11 & 12**
Semester Course
Fulfills “f” of UC/CSU A-G admission requirements
A continuation of Ceramics 1. Students have an opportunity to explore a variety of ceramic techniques such as clay carving, pinch, slab, teacher recommendation and sculpture techniques. Basic glazing techniques and firing procedures are introduced. Reading and writing are a required part of the course. Successful completion of the course meets the District's fine arts requirements.

**Ceramics 3 — Grades 10, 11 & 12**
Year Course
Fulfills “f” of UC/CSU A-G admission requirements
Prerequisite: “C” in Ceramics 1 and Ceramics 2 or teacher recommendation
An advanced course in the study of ceramics with the introduction of additional creative techniques. Emphasis is placed on the individual creative process and upon sculptural forms. Reading and writing are a required part of the course.

**Ceramics 4 — Grade 12**
Year Course
Fulfills SSFUSD graduation requirement only  
Prerequisite: “C” in Ceramics 1, 2, and 3 or teacher recommendation  
A continuing exploration of creative and individual ceramic work. The student may specialize in a particular area of interest. Reading and writing are a required part of the course.

**PERFORMING ARTS**

**Chorus — Grades 9, 10, 11 & 12**  
Year Course  
Fulfills “f” of UC/CSU A-G admission requirements  
Prerequisite: None  
This course is designed to help the untrained young voice. The course covers basic principles in vocal production, tone, diction, projection of the individual voice, and reading of music. A variety of music will be performed, including “rock”, jazz, folk, and classical. Emphasis will be placed on performance. This class, primarily for the 9th grade, could be used as a training ground and a feeder group for the mixed chorus. Attendance at all performances is required.

**Advanced Chorus — Grades 10, 11 & 12**  
Year Course  
Fulfills “f” of UC/CSU A-G admission requirements  
Prerequisite: Previous singing experience or teacher recommendation required  
This course offers students the opportunity to continue to develop the basics of singing, to study all types of music ranging from classical to “rock”, and to perform frequently. Emphasis will be placed on the study of advanced choral music with regard to the fine art of interpretation and tone production. Attendance at all performances is required. MBRFC

**Concert Band — Grades 9, 10, 11 & 12**  
Year Course  
Fulfills “f” of UC/CSU A-G admission requirements  
Prerequisite: Previous basic instrumental training and teacher recommendation  
A class designed for the band student not quite ready for the difficult music literature offered in Symphonic Band. It is also an excellent opportunity for current Symphonic Band members to study a new or secondary instrument. Attendance at all performances is required. MBRFC

**Jazz Ensemble — Grades 9, 10, 11 & 12**  
Year Course  
Fulfills “f” of UC/CSU A-G admission requirements  
Prerequisite: Teacher recommendation  
This is a course offered to a limited number of advanced students interested in ensemble playing and modern music. Rehearsal and training are carried on throughout the year in areas of musicianship, improvisation, sight reading, and the establishment of excellent musical standards. Literature to be covered will range from jazz standards to contemporary jazz ensemble literature. Attendance at all performances is required. MBRFC

**Advanced Jazz Ensemble — Grades 9, 10, 11 & 12**  
Year Course  
Prerequisite: Teacher recommendation  
This is a capstone course offered to a limited number of advanced students interested in ensemble playing and modern music. Rehearsal and training are carried on throughout the year in areas of musicianship, improvisation, sight reading, and the establishment of excellent musical standards. Literature to be covered will range from jazz standards to contemporary jazz ensemble literature. Attendance at all performances is required. MBRFC

**AP Music Theory (Advanced Placement) — Grades 9, 10, 11 & 12**  
Year Course (SSFHS only)  
Prerequisite: None  
Students should be able to read and write musical notation, and it is strongly recommended that the student has acquired at least basic performance skills in voice or on an instrument. This course covers first semester of college music theory for the music major or minor and satisfies one semester of college level fine arts/humanities elective. The course covers basic musicianship, notation, harmonic and rhythmic studies, composition, counterpoint, and musical analysis from the
renaissance through 21st Century Music. Ear training includes sight singing and melodic/harmonic dictation. Open to all students with an adequate background in music.

**String Ensemble — Grades 9, 10, 11 & 12**
Year Course (ECHS only)
Fulfills “f” of UC/CSU A-G admission requirements
Prerequisite: Teacher recommendation
String Ensemble is a yearlong course for students wishing to explore music as a career path. The purpose of the course is to prepare students to become pragmatic and analytical within the domain of music by laying a foundation in the fundamentals of music. Students will learn to play a wide variety of technical exercises, pieces of music from a variety of cultures and genres and will develop skills of learning techniques, personal discipline, and communal responsibility.

**Symphonic Band — Grades 9, 10, 11 & 12**
Year Course
Fulfills “f” of UC/CSU A-G admission requirements
Prerequisite: Previous advance band experience or teacher recommendation
This is an elective course open to all students. The student’s proficiency on the instrument must be great enough to insure active band participation. Band activities include a football band, concert band, and ensembles. Students are encouraged to participate in as many of these groups as possible. By performing, students gain self-confidence, a sense of teamwork, and responsibility. Attendance at all performances is required.

**Dance 1 - GRADES 9, 10, 11 & 12**
Year Course (Dance classes require special shoes)
Fulfills “f” of UC/CSU A-G admission requirements
This course in theater dance covers the basic principles of jazz, tap, and ballet. It is recommended for students who have had little or no dance training and who are interested in studying dance as an art form. Students are required to perform at all school functions and community functions. Some written work is required.

This course may not be used as a make-up/substitute for year 1 of the CORE Physical Education requirement. After completing Year 1 of the CORE Physical Education Requirement, a student can gain a waiver for up to two years of PE in grades 10-12 and students can receive credit for the Physical Education requirement or Fine Arts credit or Elective credit.

**Dance 2, 3, 4 — GRADES 9, 10, 11 & 12**
Year Course (Dance classes require special shoes)
Fulfills “f” of UC/CSU A-G admission requirements
Prerequisite: “C” in Dance 1 or teacher recommendation
This course is an extension of skills learned in the previous dance course. Students are exposed to a variety of dance forms and have the opportunity to experience further skill development, creativity, and group choreography. Written work may be required. Students are required to perform at all school functions and community functions.

This course may not be used as a make-up/substitute for year 1 of the CORE Physical Education requirement. After completing Year 1 of the CORE Physical Education Requirement, a student can gain a waiver for up to two years of PE in grades 10-12 and students can receive credit for the Physical Education requirement or Fine Arts credit or Elective credit.

**Advanced Dance — Grades 9, 10, 11 & 12**
Year Course (ECHS only)
Fulfills “f” of UC/CSU A-G admission requirements
Prerequisite: Audition and consent of instructor.

**Drama 1 — Grades 9, 10, 11 & 12**
Year Course
Fulfills “f” of UC/CSU A-G admission requirements
Prerequisite: Passing grades in English
Study and exercise in the basic elements of drama, this course includes both performance technique and audience responsibility. Areas of study include pantomime, improvisation, voice and diction, dialects, and acting styles. Also included is a study of the history of theater and its development to the present through the reading of representative plays. The
class requires student preparation and involvement in acted scenes from these plays. After school crew hours are required at El Camino High School in lieu of homework.

**Drama 2, 3, & 4 — Grades 10, 11 & 12**

*Year Course*

Fulfills “f” of UC/CSU A-G admission requirements

*Prerequisite:* “C” grade in previous Drama course or teacher recommendation

An advanced course in drama, including performance and directing projects. Emphasis is given to the study of modern trends in theater. Students must participate in dramatic productions in order to receive an “A.” (MBRFC Drama 4 only).

**Beginning Folklorico Dance — Grades 9, 10, 11 & 12**

*Year Course (SSFHS only)*

Fulfills “f” of UC/CSU A-G admission requirements

This course in Folklorico dance covers a variety of creative dance movement experiences. Students will be exposed to basic dance techniques and principles, including exploration of various rhythms, dance styles, spatial relationships, and the use of kinetic energy. The Folklorico dances emphasized in this course will come primarily from Mexico and Latin America. Students will be required to perform in one or more productions. Lectures, readings, written work and visual presentations on the history and culture of each region will further develop an appreciation and understanding of how and why these ethnic dances evolved. Students are required to perform at school functions and community functions.

**Intermediate Folklorico Dance — Grades 9, 10, 11 & 12**

*Year Course (SSFHS only)*

Fulfills “f” of UC/CSU A-G admission requirements

*Prerequisite:* “C” in Beginning Folklorico Dance, dance experience, or teacher recommendation

This class is a continuation of skills and dances learned in Beginning Folklorico dance. The intermediate level will further develop authentic style and technique as well as additional dances as a prerequisite for the Advanced level. In-depth study of ethnic dances will require written work and visual presentations on the history and culture of the specific region studied by the students. Students are required to perform at school and community functions. MBRFC

**Advanced Folklorico Dance — Grades 10, 11 & 12**

*Year Course (SSFHS only)*

Fulfills “f” of UC/CSU A-G admission requirements

*Prerequisite:* “C” in Intermediate Folklorico Dance, advanced dance experience or teacher recommendation

This class is a continuation of skills and dances learned in Intermediate Folklorico Dance. Advanced dance skills and principles will be further developed. A greater emphasis will be given to authentic style, visual presentations and performances throughout the year. In depth study of ethnic dances will be required including written work and lectures. Students are required to perform at school functions and community functions. MBRFC

**Stagecraft and Scene Design — Grades 9, 10, 11 & 12**

*Year or Semester Course*

Fulfills SSFUSD graduation requirement only

*Prerequisite:* Completion of Electronics, Woods 1, Art 1, Drama 1, or teacher recommendation

Stagecraft is a laboratory-styled class open to a limited number of students on a semester basis. Members of this class serve as the stage crew, operating the auditorium stage and its facilities. Areas of study and activity include stage lighting, scene design, set construction, operation of electronic equipment, and maintenance of the auditorium facilities. A minimum of twenty-five hours of after school work is required in lieu of conventional homework. MBRFC

**World Language**

**WORLD LANGUAGE COURSES CAN BE ENTERED ONLY IN THE FALL SEMESTER.**

It is recommended that students take French 1, Italian 1, or Spanish 1 in 9th grade.

**French 1, Italian 1, Spanish 1 — Grades 9, 10, 11 & 12**

*Year Course (Italian is SSFHS only)*

Fulfills “e” of UC/CSU A-G admission requirements

*Prerequisite:* “C” in English
A beginning course in the study of grammar, vocabulary, and conversational skills. The development of listening, speaking, reading, and writing skills is emphasized. An introduction to the respective country’s history and culture is included.

**French 2, Italian 2, Spanish 2 — Grades 9, 10, 11 & 12**  
Year Course (Italian is SSFHS only)  
Fulfills “e” of UC/CSU A-G admission requirements  
Prerequisite: “C” or better in previous language course or teacher recommendation  
A continuing course in the study of grammar, conversation, dialogue, vocabulary building, elementary readings, and culture. Interpretive, Interpersonal and Presentational assignments and projects require an increasing intensity of focus and practice as the student progresses toward the Intermediate levels of proficiency.

**French 3, Italian 3, Spanish 3 — Grades 9, 10, 11 & 12**  
Year course  
Fulfills “e” of UC/CSU A-G admission requirements  
Prerequisite: “C” or better in previous language course with teacher recommendation  
Level three is an intermediate course in conversation, reading, writing, grammar, and culture. Skills will be acquired and practiced in the Interpretive, Interpersonal and Presentational modes, (as with all other levels) as students progress through increasingly advanced levels of proficiency.

**French 4 — Grades 9, 10, 11 & 12**  
Year Course  
Fulfills “e” of UC/CSU A-G admission requirements  
Prerequisite: “B” or better in previous language course with teacher recommendation  
An advanced course emphasizing literature, writing, grammar, and conversation.

**AP Italian (Advanced Placement) — Grades 10, 11 & 12**  
Year Course (SSFHS only)  
Fulfills “e” of UC/CSU A-G admission requirements  
Prerequisite: “B” or better in Italian 3 or consent of instructor.  
AP Italian is an advanced course taught in Italian which addresses six themes: global challenges, science and technology, personal and public identities, beauty and aesthetics, families and communities, and contemporary life. Students will read newspaper articles, literary excerpts and a variety of other authentic print materials. Students will develop writing skills through interacting with these materials as well as a variety of media such as songs, film clips, news broadcasts and more. Each area of study will also be addressed through conversation and presentations on cultural topics.

**AP Spanish (Advanced Placement) — Grades 11 & 12**  
Year Course  
Fulfills “e” of UC/CSU A-G admission requirements  
Prerequisite: “B” or better in Spanish 3, teacher recommendation  
This course is designed for students who have built a strong foundation in all four skills of second language learning: listening, speaking, reading and writing. The curriculum is offered to those who have an interest in continuing the study and/or use of the language beyond the high school preparation courses, and are prepared for a rigorous and challenging course of study. It includes a survey of literature from various Latin American and Spanish authors and poets, cultural topics and current events around the world. Interpretive, Interpersonal, and Presentational assignments and projects integrate critical-thinking; require analysis and synthesis of articles and broadcasts as well as reflection on personal experiences. In addition, they are designed to correlate with the six themes outlined and required by the College Board. This class includes a comprehensive review of previously acquired proficiency in grammar in intensive preparation for the Advanced Placement Spanish Language and Culture exam.

**Spanish for Native Speakers 1 — Grades 9, 10, 11 & 12**  
Year Course (SSFHS only)  
Fulfills “e” of UC/CSU A-G admission requirements  
Prerequisite: Students must be fluent in speaking and listening in Spanish. All students planning to enroll will take a placement test or need teacher approval.  
This course is designed for students who have grown up speaking Spanish in the home. The focus is to improve the reading, writing and presentational skills while introducing the student to literature and a wide variety of vocabulary. This course will allow students to reactivate the Spanish they have learned previously and develop it further, to learn more about their
language and cultural heritage, to acquire Spanish academic language skills, to enhance career opportunities, and to fulfill the world language college admission requirement.

**Spanish for Native Speakers 2 — Grades 9, 10, 11 & 12**
Year Course (SSFHS only)
Fulfills “e” of UC/CSU A-G admission requirements
Prerequisite: Spanish for Native Speakers 1 or teacher recommendation

This course is designed to supplement and reinforce the first level of Spanish for Native Speakers, in addition to preparing students for the AP Spanish Language course. The three language aims of reading, writing and speaking are interrelated and intensified. The study of grammar, vocabulary, idiomatic expressions, and culture are emphasized through reading a variety of poetry, articles, and short stories by Latino authors, as well as writing assignments including essays and creative writing.