



2015 - 2016
TORRANCE HIGH SCHOOL
COURSE DESCRIPTION BOOK

SCHOOL-WIDE ACADEMIC GOALS

Torrance High Students Are:

Thinkers

- ✓ Solve problems efficiently
- ✓ Demonstrate reflective, critical, creative, logical, and analytical thinking

Academically Motivated

- ✓ Master basic skills
- ✓ Meet state, district and/or course outline standards
- ✓ Set academic goals
- ✓ Prepare for a post-high school career

Responsible

- ✓ Set personal goals
- ✓ Display moral, ethical, and civil behavior
- ✓ Employ time management skills
- ✓ Contribute to their community

Technologically Motivated

- ✓ Demonstrate technological proficiency
- ✓ Use available resources to further learning

Articulate Communicators

- ✓ Read, write, listen, and speak proficiently
- ✓ Appreciate artistic communications
- ✓ Work collaboratively

Respectful

- ✓ Of themselves, of their peers, and their community
- ✓ Of the faculty and school guidelines

Skilled

- ✓ In core curricula areas
- ✓ In life skills

A Message to Students and Parents

This Course Description Book has been prepared by the Torrance High counseling and teaching staff and is issued to you in the hope that you will use it as a permanent reference throughout your high school years. It contains course descriptions, a Four-Year Educational Plan, as well as graduation, and CSU and UC entrance requirements, and a brief explanation of guidance terminology, policies, and practices.

This book can best be used in consultation with the counseling personnel at Torrance High, who can provide in-depth information about the topics contained herein. In addition, counselors can assist you in developing a Four-year Educational Plan that provides the very best high school program possible. Please contact the counseling office whenever you have questions.

Course offerings and college admission requirements are subject to change, and this book will be updated annually to reflect any changes that do occur.

Please place this guide inside of your notebook or in some other safe place so that you can use it as a meaningful reference throughout your four years at Torrance High. This course description book is also available online at <http://ths.tusd.org>

FREQUENTLY CALLED NAMES, OFFICES AND PHONE NUMBERS

Torrance High School phone number		(310) 533-4396
Principal	Karim Girgis	ext. 7980
Assistant Principal – Curriculum	Cheryl Daugherty	ext. 7992
Assistant Principal – Student Services	Eric Spotts	ext. 7991
Site Supervisor	Mitch Tabaldo	ext. 7990
Dean of Students	Valerie Inverso	ext. 7960
Counselors:		
Students with last name beginning with:		
A - E	Christina Yun	ext. 7961
F - Lon	Mary Dillon	ext. 7964
Loo - Rn	Aisha Webb	ext. 7966
Ro - Z	Rob Young	ext. 7965
College/Career Coordinator	Joseph Elizondo	ext. 8010
Activities Director	Nathan Jones	ext. 8030
Athletic Director	George Tachibana	ext. 7986
Athletic Trainer	Gina Leccese	ext. 8104
Attendance Intervention Specialist	Teresa Brown	ext. 8007
GATE Coordinator	Robert Patterson	ext. 8077
ELD Coordinator	Tracy Clark	ext. 7915
EL Intervention Counselor	Adriana Lozano	ext. 7921
Librarian	Lois Graham	ext. 7901
School Psychologist	Crista Gonzalez	ext. 7976
Attendance Office	Teresa Cordova	ext. 7959
	Vicki Lawrence	ext. 7958
Health Office	Betty Tann, Nurse	ext. 7971

Board of Education Requirements for High School Graduation

A student who fulfills the following requirements shall be eligible for high school graduation:

1. Students shall have a minimum of **220 credits**, which shall include:
 - a. **Mathematics: 20 credits** - Students must pass Algebra1 or its equivalent
 - b. **Science: 20 credits**
 - 1) 10 credits of Biological (Life) Science
 - 2) 10 credits of Physical Science
 - c. **English: 40 credits** – All students are required to take English 1 (9th grade), English 2 (10th grade), English 3 (11th grade), English 4 (12th grade)
 - d. **Social Science: 30 credits**
 - 1) 10 credits of World History (10th grade)
 - 2) 10 credits of U.S. History (11th grade)
 - 3) 10 credits of U.S. Government/Economics (12th grade)
 - e. **Physical Education: 20 credits**

9th & 10th Grade students must be enrolled in P.E., athletics, pep squad, drill team or P.E. band.

9th Grade students must be enrolled in P.E., athletics, pep squad, drill team or P.E. band. 10th through 12th grade students must complete an additional 10 units of one of the following: P.E. 10-12, weight training, fitness, athletics, pep squad, drill team or P.E. Band.
 - f. **Fine Arts or Foreign Language: 10 credits**

A student shall complete 10 credits (one full year) in a single foreign language or 10 credits in fine arts (art, music, or drama).
 - g. **Health - 5 credits**
 - h. **Credit Limitations:** Credits acceptable for graduation is limited for the following courses: Aides—10 credits only; Work Experience—20 credits.
 - i. **Elective credits:** 75 credits.
2. A satisfactory citizenship record as evidenced by **six or more semesters of composite satisfactory or excellent citizenship** grades. Students who fail to meet this requirement are provided the following alternatives to meet graduation requirements for citizenship:
 - a. complete the School Citizenship/Personal Awareness course (if offered)
 - b. complete 60 hours of community service for each composite U.
3. **California High School Exit Examination (CAHSEE):**

The California High School Exit Examination (CAHSEE) in English Language Arts and Mathematics is a requirement for receiving a diploma from a California public school. The CAHSEE is only one of the requirements for graduation; all requirements must be met in order for students to receive their diploma. All 10th grade students are given the CAHSEE test. Additional opportunities to pass this test are given each year. Students need to pass this test only once.

School Terminology, Policies, and Practices

A one period course for one quarter = 2.5 credits

A one period course for one semester = 5 credits

A one period course for two semesters = 10 credits

A customary school load for a year is 60 credits

Audit: no credit or grade is given for the class but the student must attend and do the work or risk a failing grade in the class. This option is available only with teacher approval and by completing a petition filed no later than one week after quarter report cards are distributed.

Credit interval: a student may not enter a new semester class for credit after the sixth week of the semester. A student must enter a quarter class within 3 weeks of the new quarter to earn credit.

Repeated courses: a student who repeats a class should know the following:

- a. All grades appear on the transcript.
- b. TUSD uses the highest grade to meet graduation requirements.
- c. No credit is given for the first time the class was taken and an **R** appears on the transcript to indicate that this class was repeated for credit at a later date.
- d. The cumulative GPA does not include courses with an R designation.

Colleges and universities treat repeated course grades differently. Students should check specific college catalogs carefully concerning practices related to courses that are repeated in high school.

Classes taken outside of TUSD (sometimes called “**outside credit**”) **require written approval prior to starting the course to receive THS credit.** Students should see their counselor for details. Classes are subject to limitations; outside credit may only be counted as elective credit, and may not be used to fulfill specific graduation requirements. Outside Credit is usually issued using the formula of 18 hours of instruction equals 1 credit.

Students who are planning to enroll in offsite (online) classes must meet with their counselor prior to registering and paying fees for the class.

Minimum Course Enrollment Each Semester:

Freshman, Sophomores, and Juniors	6
Seniors	5

Seniors: only those who have met all graduation requirements may participate in graduation ceremonies. Seniors only have until December 1 of their graduating year to complete graduation requirements and receive a THS diploma for their class year. After that, they will be referred to work towards an Adult School diploma at Torrance Adult School.

KEY: **Course titles** labeled with (+) indicate University of California (UC)/California State University (CSU) approved class. **All courses labeled with a (<<) will receive an extra grade point for GPA calculation on the Torrance High School transcript. For UC/CSU admissions eligibility the UC/CSU will weight GPAs according to their own institutional policies.**

University Entrance Requirements

Students are urged to seek the advice of their counselor in planning their high school programs to make certain that they satisfy the admission requirements of the college of their choice.

California State University (CSU) System

Examination requirements:

Scholastic Aptitude Test (SAT Reasoning) or American College Test (ACT) The “writing” section is not required.

University Of California (UC) System

Examination requirements:

- Scholastic Aptitude Test (SAT Reasoning) or American College Test (ACT) with Writing
- SAT Subject Tests are no longer required by UC for admissions but some majors may recommend certain tests. Please contact the school’s specific majors for information.
- TOEFL for all non-residents and LEP students only

UC/CSU Subject requirements: A minimum of 15 academic or college preparatory classes, and of these 15 academic credits, at least 7 must be taken during the last two years of high school. Academic or college preparatory units consist of courses in English, mathematics, laboratory sciences, foreign languages, social studies, and the advanced fine arts courses. Torrance High School’s most current University of California “a-g” List may be downloaded at <https://hs-articulation.ucop.edu> Below are the courses at THS that meet the UC requirements:

a - HISTORY/SOCIAL SCIENCE: 3 years required. 1 year US History or 1 semester US History and 1 semester US Government, and 1 year World History

b - ENGLISH: 4 years required. 4 years of college preparatory English.

c - MATHEMATICS: 3 years required, 4 years recommended that includes the topics covered in Elementary Algebra/Algebra 1, Geometry and Advanced Algebra/Algebra 2.

d - LABORATORY SCIENCE: 2 years required, 3 year recommended. 2 years of laboratory science, including two of the three fundamental disciplines of Biology, Chemistry and Physics, but not including Physical Science of the Earth.

e - FOREIGN LANGUAGE REQUIREMENT: 2 years required, 3 years recommended. 2 years of the same language other than English.

f - VISUAL AND PERFORMING ARTS REQUIREMENT: 1 year required.

g - ELECTIVE COURSES: 1 year required. Any course listed on the approved UC A-G course list beyond the minimum requirements listed above. For example: AP Macroeconomics, Creative Writing, Economics A, Economics A S, Forensics, Psychology A/B, Psychology A/B (AP), Reader’s Workshop, Speech 1, Writer’s Workshop, Physical Science of the Earth. For complete list see: <https://hs-articulation.ucop.edu>

To check eligibility for UC:

<http://www.universityofcalifornia.edu/admissions/undergradadm/pathstoadm/freshman/stateeligibility.html>

To check eligibility for CSU:

http://www.csumentor.edu/planning/high_school/grades_tests.asp

Grades in classes: It is important to note that UC and CSU do not recognize a “D” as passing grade—even if it is in an honors or AP class. Please see your counselor about options for “making up” grades in required subjects to meet UC or CSU eligibility.

NCAA Requirements and website information: page 20 following the Physical Education Athletics section or at www.eligibilitycenter.org .

TORRANCE HIGH SCHOOL FOUR-YEAR EDUCATIONAL PLAN

Read the course descriptions carefully and plan to take classes that will meet minimum Torrance Unified School District graduation requirements and lead to your goals beyond high school.

Student Name _____ Date _____

At this time, **after high school**, I plan to _____

GRADE 9

FIRST SEMESTER

English 1/1H
Math
Science
P.E. 9/Athletics/Pep/P.E. Band/
Drill Team (Colorguard)/
Dance Drill Team (Gasset)
Health/AP Human Geography (full year)
Elective: _____

SECOND SEMESTER

English 1/1H
Math
Science
P.E. 9/Athletics/Pep/P.E. Band/
Drill Team (Colorguard)/
Dance Drill Team (Gasset)
Multi Media Design/Geography

GRADE 10

English 2/2H
Math
Science
P.E. 10-12/Athletics/Pep/PE Band/
Drill Team (Colorguard)
Dance Drill Team (Gasset)
World History/AP World History
Elective: _____

English 2/2H
Math
Science
P.E. 10-12/Athletics/Pep/PE Band
Drill Team (Colorguard)
Dance Drill Team (Gasset)
World History/AP World History

GRADE 11

English 3/AP English Language
U.S. History/AP U.S. History
Elective: _____
Elective: _____
Elective: _____
Elective: _____

English 3/AP English Language
U.S. History/AP U.S. History

GRADE 12

English 4/English Literature AP
AP U.S. Government & Politics/
AP Macroeconomics
Elective: _____
Elective: _____
Elective: _____
Elective: _____

English 4/English Literature AP
AP U.S. Government & Politics/
AP Macroeconomics

ALTERNATE ELECTIVE CHOICES:

First Semester _____ Second Semester _____ Year _____

Add "Honors" or "AP" to titles when applicable

(255) SURVIVAL OF SINGLES Grades 11 – 12 Semester
 This course is designed to help students learn the essential living skills needed to make it on their own as they gain knowledge of how to manage their financial resources to meet the demands of the future. Survival of Singles teaches basic life skills. Concepts are presented in ways that teenagers can understand using hands-on simulations as well as video/DVD and computer lessons. Major economic concepts are covered as well as consumer applications, which includes units on jobs/careers, financial education, understanding and using credit, buying a car, selecting and furnishing an apartment, cooking for singles, choosing insurance, filing taxes, and retirement. This course is offered first semester only.

(0659) SCROC Broadcast Journalism Grades 10 – 12 Year
 (UC A-G approved)

****NOTE: This class does not count as English credit.**

This course introduces students to principles of video production, and delineates a clear development of the technological and theoretical elements of broadcast news production. Students will learn to express their ideas in video. Students will properly understand the historical framework of television news and they will develop an awareness and understanding of television arts. Students will produce a number of television broadcasts including the video daily bulletin. Student activities could include: reading of the Daily Bulletin, weekly newscast, documentaries, promotion of clubs, rallies, Student and Athlete of the Month, recording various special interest classes (i.e. chorus, music, fashion, athletics), support community activities, script writing and development film history/criticism, sound design and recording, set designs, etc. Students could have the opportunity to go into the community and report on various activities, i.e., city council meetings, elections, parades, guests, special programs, etc. Students will write the script, interview and video the events, edit, and transmit the information. Teacher permission required. Course may be repeated for credit.

(0639) +SCROC VIDEO PRODUCTION/MULTIMEDIA Grades 10-12 Year
 Maximum U.C. and C.S.U. Credit Limitation = 10 credits. No Torrance High School credit limitation. This course may be repeated for credit. Prerequisite: teacher permission, Multimedia Designs or equivalent, or Video Production Art

In the Video Production Year 1 program the technology will consists of video and audio recording and editing equipment hardware and software. Students will write, direct, and edit short narrative, documentary, and animated films. Students will learn the aesthetics and history of the art of film, focusing on a particular filmmaker or genre for a more intense analytical experience. Students will then take that analytical study of filmmaker and genre and use it as a guide for their own thesis film to be displayed at the Torrance High Film Festival.

(0288) WOOD 1 A/B Grades 9-12 Year
 This is an introductory course for students. Instruction will cover safety, hand tools, machine tool processes, measurement, calculation of materials, adhesives, fasteners, joinery, project planning, project cost projection, abrasives, and finish materials and procedures. Student will construct a laminated cutting board, inlaid clock.

(0288) WOOD 2 A/B Grades 10 – 12 Year
 Prerequisite: Wood 1 with a "C" or better or Teacher's Approval. A more in-depth study of tools and machines is undertaken in Wood 2. Safety, operation, and maintenance of woodworking machinery are emphasized. Shop activities include the construction of projects that utilize the principles of advanced cabinetmaking, advanced joinery, and drawer and door construction. Students will also understand the basic construction details related to cabinets and furniture containing drawers and doors.

(0243) FASHION DESIGN AND MERCHANDISING I Grades 9 -12 Year
This course is an introduction to students pursuing a career in fashion design and merchandising. In this introductory level, students will study multiple aspects of the industry, including industry awareness; professional standards/dignity of work; workforce and organizational management; operational procedures and safety practices; laws and regulations; design elements and principles; history of fashion; fashion forecasting; textiles and textile products; garment construction in manufacturing; product knowledge and apparel merchandising, visual merchandising; developing and merchandising a line; garment alteration and repair; care and cleaning of apparel; personal, interpersonal, and communication skills; thinking and problem-solving skills; balancing personal, family and work responsibilities; and teamwork and leadership. This course will be counted as an elective, but is being submitted to the UC as a “g” college prep elective.

(0244) FASHION DESIGN AND MERCHANDISING II Grades 9 – 12 Year
Prerequisite: Fashion Design and Merchandising I or consent of instructor
This course is a second year of study for students pursuing a career in fashion design and merchandising. In this second level, students will continue to study multiple aspects of the industry, including industry awareness; professional standards/dignity of work; workforce and organizational management; operational procedures and safety practices; laws and regulations; design elements and principles; history of fashion; fashion forecasting; textiles and textile products; garment construction in manufacturing; product knowledge and apparel merchandising, visual merchandising; developing and merchandising a line; garment alteration and repair; care and cleaning of apparel; personal, interpersonal and communication skills; thinking and problem-solving skills; balancing personal, family, and work responsibilities; and teamwork and leadership. Students will design collection of clothing and develop a portfolio of work for entry into college level of study. This course will counted as an elective, but is being submitted to the UC as a “g” college prep elective.

(0245) FASHION DESIGN AND MERCHANDISING III Grades 10 – 12 Year
Prerequisite: Fashion Design and Merchandising II
This course is a capstone level for students pursuing a career in fashion design and merchandising. In this ultimate level, students will focus on specific aspects of the industry that may include industry awareness; professional standards/dignity of work; workforce and organizational management; operational procedures and safety practices; laws and regulations; design elements and principles; history of fashion; fashion forecasting; textiles and textile products; garment construction in manufacturing; product knowledge and apparel merchandising, visual merchandising; developing and merchandising a line; garment alteration and repair; care and cleaning of apparel; personal, interpersonal and communication skills; thinking and problem-solving skills; balancing personal, family, and work responsibilities; and teamwork and leadership. Students will continue to develop a collection of clothing and a professional portfolio of work that will be showcased in the annual fashion show. Additionally, students will fulfill a leadership role in the management of the annual runway show. This course will counted as an elective, but is being submitted to the UC as an “g” college prep elective.

PROJECT LEAD THE WAY

(0447) + PLTW: Introduction to Engineering and Design Grades 9 - 10 Year

In Introduction to Engineering Design (IED), students will use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. IED applies and concurrently develops secondary level knowledge and skills in mathematics, science and technology. The course of study includes: the design process, technical sketching and drawing, measurement and statistics, modeling skills, geometry of design, reverse engineering, documentation, advanced computer modeling, design team, and design challenges. IED is designed for 9th and 10th grade students. Students enrolling in IED must have completed or be concurrently enrolled in Biology 1, and must have Algebra 1 and be concurrently enrolled in Geometry or higher. THS students enrolling in IED will be concurrently enrolled in El Camino College and will receive El Camino credit in Engineering Technology. IED counts as a "g" elective on the UC a-g list.

See the Science Department for the complete course descriptions of the following PLTW courses:

(0432) Principles of Engineering (Interdisciplinary) Grades 9-12 Year
Prerequisites: Concurrent enrollment in either Physics or Chemistry 1/AP Chemistry

(0401) PLTW: Aerospace Engineering (Interdisciplinary) Grades 11-12 Year
Prerequisites: Principles of Engineering; Chemistry & Physics; Algebra 2 or higher.

(0455) + Principles of Biomedical Science Grades 9 – 12 Year

ENGLISH DEPARTMENT

The goal of the English program is to enable students to communicate effectively through the development of well-organized thought processes, higher-level analysis skills, and mature written expression. Required and elective courses encourage an interest in various forms of quality literature and expository writing. All English classes focus on developing students' skills in meeting the California Common Core Standards for English-Language Arts and passing the CAHSEE.

To guarantee English skills competence, the following requirements have been approved by the Board of Education:

1. All students will be required to pass a total of forty (40) credits of English prior to graduation.
2. All freshmen are required to take English 1; sophomores to take English 2; juniors to take English 3 and seniors to take English 4. Students may also enroll in additional elective English classes.

(0092) +ENGLISH 1 Grade 9 Year

(0099) +ENGLISH 1 EL (#used for scheduling purposes only) Grade 9 Year

English 1 is a literature rich, integrated language arts course which includes the techniques of reading varied literary forms and emphasizes paragraph and short essay development in expository, narrative, and descriptive writing. Students will review grammar, usage, and mechanics and develop control over the conventions of standard English expression. Through class discussions, group activities, and homework students will improve speaking, reading, writing and listening skills. English 1 is a required, 10-credit course, which meets California Common Core Standards.

(0095) +ENGLISH 1 HONORS Grade 9 Year

This accelerated English course offers opportunities to work with sophisticated literary devices, to apply higher-level thinking skills, to write at a higher level and to read more demanding literature than is offered in English 1. Students are strongly encouraged to earn an A in English prior to enrolling in this challenging course.

(0097) +ENGLISH 2 Grade 10 Year

(0098) +ENGLISH 2 EL (#used for scheduling purposes only) Grade 10 Year

Writing and the study of literature are equally important in English 2. Reading, writing, speaking and listening experiences are integrated in all areas of study. Students are guided to write in a style that reflects a growing control over the conventions of standard English expression, which includes grammar, usage, and mechanics. English 2 is a required, 10-credit course, which meets California Common Core Standards.

(0100) +ENGLISH 2 HONORS Grade 10 Year

This accelerated English course offers opportunities to work with sophisticated literary devices, to apply higher-level thinking skills, to write at a higher level, and to read more demanding literature than is offered in English 2. Students are highly encouraged to have earned an A in English 1 Honors or English 1 prior to enrolling in this rigorous course.

(0102) +ENGLISH 3 Grade 11 Year

(0094) +ENGLISH 3 EL (#used for scheduling purposes only) Grade 11 Year

English 3 is a student-centered, literature rich, integrated language arts course that emphasizes American literature, including the works of 19th & 20th century authors. Students reflect American thinking and American history by reading novels, short stories, essays, plays, and poems. This course highlights exposition and other factual compositions written in individual and group settings. Students improve listening and speaking skills through speeches and discussions. English conventions, such as grammar, usage, and mechanics, are also included. English 3 is a required, 10-credit course, which meets California Common Core Standards.

(0105) «+AP ENGLISH LANGUAGE & COMPOSITION Grade 11 Year
 The AP Language and Composition course aligns to introductory college-level rhetoric and writing curriculum which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

AP English Language prepares students for the English Language & Composition examination. Students enrolled in English 4 AP are expected to take the Advanced Placement Test in the spring of their junior year. Like English 1 and 2 Honors, English Language is a rigorous course for the dedicated junior English student. Students are highly encouraged to have earned an A in English 2 Honors or English 2 prior to enrolling in this rigorous course. AP English Language and Composition is a 10-credit course which meets the College Board's course standards.

NOTE: ENGLISH 4 and ENGLISH 4AP - The Senior Project is a required component of English 4 and will be incorporated into the course grade.

(0107) +ENGLISH 4 Grade 10 Year
 (0091) +ENGLISH 4 EL (#used for scheduling purposes only) Grade 10 Year
 English 4 is a student-centered, literature rich, integrated language arts course, which focuses on British and Contemporary literature. Students will engage in the careful reading and critical analysis of novels, short stories, essays, plays, and poems, which reveal the history as well as recent development of English language and literature. Students will develop as writers who compose for a variety of purposes with emphasis on essay development and development of personal style. Students will also continue to improve upon their listening and speaking skills through speeches and discussions. The Senior Project will be one component of this course of study. English 4 is a required, 10-credit course, which meets California Common Core Standards.

(0111) «+ AP ENGLISH LITERATURE & COMPOSITION Grade 12 Year
 See the English 4 course description above. The AP English Literature & Composition is a college level course that engages students in the careful reading and critical analysis of imaginative literature. Essay writing is a major component of the course. In addition to the work required in English 4, English 4 AP prepares students for the Advanced Placement examination in English Literature and Composition. Students enrolled in AP English Literature & Composition are expected to take the Advanced Placement Test in the spring of their senior year. Like English 1, 2 and 3 Honors, English 4 AP is a rigorous course for the dedicated senior English student.

ENGLISH ELECTIVES

(148) +CONTEMPORARY LITERATURE Grades 11-12 Semester
 Contemporary Literature is an English elective course for juniors and seniors. This course focuses on literature that reflects the best writing of the late twentieth century authors and analyzes what makes this literature unique. The in-class activities and homework are as varied as the literature presented. Course work includes formal writing instruction and practice. This course meets the California Common Core Standards. Offered second semester only.

(0127) +CREATIVE WRITING 1 A/B Grades 10-12 Semester/Year
 Creative Writing is a student-centered, literature-rich language arts course which allows students to develop their writing skills and styles by examining fiction, poetry, drama and nonfiction and by learning to use their own experiences, observations, and judgments as sources for their writing. Students may have the opportunity to publish their original work. This course meets the UC/CSU elective requirements.

(0152) +FICTION FAVORITES

Grades 11-12

Semester

This course is designed to help students improve their reading comprehension skills. Fiction topics will be used for class discussions and written assignments. The class will allow students to work individually to develop writing and reading skills. This course meets the UC/CSU elective requirements. Offered first semester only.

(0185) +FORENSICS WORKSHOP A/B

Grades 10-12

Semester/Year

Prerequisite: A grade of "C" or better in English; placement is by audition only. Forensics and Debate is designed to be a competitive academic activity class with emphasis on the development of communication skills and knowledge. Students will become proficient in the skills required for debate, research, and organization. Students will compete in a variety of events ranging from original oratory, to debate, to extemporaneous speaking, to the oral interpretation of literature. These events will take place locally and at the state level. This course requires a commitment beyond the school day. This class meets during zero period.

FOREIGN LANGUAGE DEPARTMENT

Two consecutive years of the same language are required for university entrance and three years are recommended. However, all foreign language classes are electives and are NOT required for high school graduation. Many activities and classroom materials are used in the teaching of foreign language. History, literature and other cultural contributions are a part of these courses. **Classes are academically rigorous and require daily homework and student preparation.** Level 1 Foreign Language classes are recommended for students with strong math and English Language Arts skills. Tests are oral and written. AP Classes: To enroll in Spanish Literature AP, a student must complete Spanish 3 with a grade of C or higher.

(0209)	+JAPANESE 1	Grades 9-12	Year
(0228)	+KOREAN 1	Grades 9-12	Year
(0218)	+SPANISH 1	Grades 9-12	Year

Japanese 1, Korean 1, and Spanish 1 involve periods of intensive oral drill and practice intended to develop the ability to learn language sounds accurately and to imitate them without distortion. The student learns to carry on simple conversations and to understand directions concerning the classroom and its activities. The student studies vocabulary and grammar by reading, writing, listening and speaking, and learns sentence patterns through practice drills in the classroom. Homework is assigned daily.

(0210)	+JAPANESE 2	Grades 9-12	Year
(0229)	+KOREAN 2	Grades 9-12	Year
(0220)	+SPANISH 2	Grades 9-12	Year

Prerequisite: completion of the 1st year of the language with a grade of C or better. Japanese 2, Korean 2 and Spanish 2 provide experience to increase speaking, understanding, reading, and writing ability in the language as it is used in its culture. The life and customs of the people are studied, and increased knowledge of language structure is emphasized. Homework is assigned daily.

(0221)	+Spanish 2 Honors	Grades 9-10	Year
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Prerequisite: completion of Spanish 1 with grades of "B" or better is recommended.

Spanish 2 Honors is a fast moving academic class designed to prepare students for greater success in upper level Spanish classes. This course will include extra conversational practice, short stories, visual and audio resources, and various cultural activities. The ability to work independently and the desire to advance in all areas of the language are essential. Homework is assigned daily.

(0211)	+JAPANESE 3	Grades 10-12	Year
(0230)	+KOREAN 3	Grades 10-12	Year
(0222)	+SPANISH 3	Grades 10-12	Year

Prerequisite: completion of the 2nd year of the language with a grade of C or better. Third year classes offer reading for comprehension of functional grammar, videos in the native language are also incorporated into the course, and improvement of written and oral expression. Homework is assigned daily.

(0223)	«+Spanish 3 Honors	Grades 10-11	Year
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Prerequisite: completion of Spanish 1 & 2 with grades of "B" or better is recommended.

Spanish 3 Honors is a fast moving class taught almost entirely in Spanish. Class activities, including explanations and directions, will be conducted in Spanish at an accelerated pace. Reading selections are advanced both in language and literary content. Completing and presenting both group and independent projects are integral parts of the program. The ability to work independently and the desire to advance in all areas of the language are essential. Homework is assigned daily.

(0212)	+JAPANESE 4	Grades 11-12	Year
(0231)	+KOREAN 4	Grades 11-12	Year
(0224)	+SPANISH 4	Grades 11-12	Year

Prerequisite: completion of the 3rd year of the language with a grade of C or higher is recommended. Fourth year classes emphasize the student's ability to speak, understand, read, and write in the language. Students need a good understanding of vocabulary and grammar. Works of acclaimed authors are read. The ability to work independently and the desire to advance in all areas of the language are essential. Work will be upper high school level and homework is assigned daily. Spanish Level 4 is recommended for non-native students to help prepare for Spanish AP.

(0253)	«+KOREAN 4 Honors by Demonstration	Grades 11-12	Year
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Korean 4 Honors by Demonstration will provide advanced practice in reading and writing Korean. This includes extensive use of Hangul as well as the strengthening of previously learned Hancha (Chinese character writing) and the learning of new Hancha. Small group conversations will strengthen conversations skills and confidence in speaking the language. While further developing listening, comprehension and writing skills, the course will provide advanced studies in Korean literature and develop a better understanding of the culture of Korea. Additionally, students will be able to read, critique and analyze a variety of reading materials, and utilize them when writing research papers and completing various independent projects. The goal of this course is to enhance the students' fluency in everyday conversation as well as in the reading and writing of Korean.

This course is intended to meet both the University of California and the California State University requirements as an advanced foreign language. Homework is assigned daily.

(0232)	+KOREAN 5	Grade 11-12	Year
(0254)	«+KOREAN 5 Honors by Demonstration.	Grade 11-12	Year

Korean 5 Honors by Demonstration will provide advanced practice in reading and writing Korean. This includes extensive use of Hangul as well as the strengthening of previously learned Hancha (Chinese character writing) and the learning of new Hancha. Small group conversations will strengthen conversations skills and confidence in speaking and listening. While further developing listening, comprehension and writing skills, the course will provide advanced studies in Korean literature and develop a better understanding of the culture of Korea. Additionally, students will be able to read, critique and analyze a variety of reading materials, and utilize them when writing research papers and completing various independent projects. The goal of this course is to enhance the students' fluency in everyday conversation as well as in the reading, writing and translating of Korean at a level for independent survival. This course is intended to meet both the University of California and the California State University requirements as an advanced foreign language.

(0256)	«+ AP JAPANESE LANGUAGE AND CULTURE	Grade 11-12	Year
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Pre-requisite: Japanese 3 with a grade of B or higher is recommended
Advanced Placement Japanese Language and Culture is intended for students who wish to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Students who enroll should already have a basic knowledge of the language and culture of Japanese-speaking peoples and should have attained a reasonable proficiency in listening comprehension, speaking, reading, and writing.

The AP Japanese Language and Culture examination will be appropriate for students who have completed the equivalent of approximately 300 hours of instruction at the college level. The course and exam will incorporate Japanese cultural information within the teaching of reading, writing, and speaking the language. The course and exam will be grounded in the "Standards for Japanese Language Learning" found in *Standards for Foreign Language Learning in the 21st Century*. At the end of the course, students are expected to take the Advanced Placement examination in Japanese.

(0189) «+AP SPANISH LANGUAGE AND CULTURE Grade 11-12 Year

Pre-requisite: Spanish 3 or 3 Honors with a grade of B or higher is recommended

The AP Spanish Language and Culture course is a rigorous course taught entirely in Spanish. This course is intended for students who wish to develop their proficiency across the three modes of communication: interpersonal, interpretive, and presentational. The course will focus on 6 central themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, as well as Beauty and Aesthetics. Students in this level are encouraged to take the AP Spanish Language & Culture exam. Authentic resources including online print, audio, and audiovisual resources; traditional print resources that include literature, essays, and magazine and newspaper articles; a combination of visual/print resources such as charts, tables, and graphs are integrated into the course all with the goal of providing a diverse learning experience. Students communicate using rich, advanced vocabulary and linguistic structures as they build proficiency in all modes of communication toward the pre-advanced level. Central to communication is the following premise from the Curriculum Framework: *When communicating, students in the AP Spanish Language and Culture course will demonstrate an understanding of the culture(s), incorporate interdisciplinary topics (Connections), make comparisons between the native language and the target language and between cultures (Comparisons), and use the target language in real-life settings (Communities).* To support building communicative proficiency, this course uses the “*Palabra de honor (Word of honor)*”, adapted from the protocol used at Middlebury College in Vermont.

(0299) «+AP STATISTICS

Grade 11-12

Year

Prerequisite: a grade of B or higher in Algebra 2 and/or a C or higher grade in Pre-Calculus is recommended. Statistics AP is an advanced placement course in statistics. It is an introduction to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The course will integrate the use of graphing calculators and computers. This course is equivalent to a one semester, introductory, college course in statistics typically required for engineering, psychology, sociology, health, science, and business majors.

(0300) TRIGONOMETRY

Grades 10-12

Year

Prerequisite: a grade of C or higher in Algebra 2 or teacher recommendation. Trigonometry is a course that prepares students for Pre-Calculus. This year-long course is designed for students who have already passed Algebra 2 but are not ready for the rigors of Pre-calculus. The course embeds prerequisite Algebra 2 concepts while complementing and expanding the mathematical content and concepts of geometry as they relate to the study of trigonometry. Emphasis is on abstract thinking skills, the function concept, and the solution of problems in various content areas. Successful completion of this course will allow students to move on to either Pre-calculus or Probability and Statistics.

PHYSICAL EDUCATION/HEALTH DEPARTMENT

Each student in the 9th grade is required to take Physical Education and Health. Students must complete an additional 10 units of Physical Education or an equivalent class in grade 10, 11, or 12. Classes are designed to give varied activities during each quarter. The instructional program includes learning skills, rules, strategies, safety factors, etiquette of various sports, team, dual and individual sports as well as developmental activities and physical fitness training.

Any student in a school-sponsored interscholastic athletic or pep program offered during a semester is exempt from regular physical education instruction and receives credit in athletics. A student in athletics may take a P.E. class as an elective. However, only one of those P.E. grades can be used for eligibility.

NOTE: credit in all PE and Athletics classes is earned quarterly (2.5 credits per quarter = 10 credits per year) with 20 credits in P.E required to graduate from high school. PE grades are used to determine student eligibility for sports and other school activities, but not for the grade point average for university admission, honors recognition, and automobile insurance discounts.

Daily dressing is required. Students are required to dress for P.E. in suitable P.E. clothing according to state law. Excuses may be issued for non-participation only if a student is to be excused from an activity; a note from the parent, or doctor must be given to the health office before class. Daily participation is vital to receiving credit for P.E.

Physical Education uniforms are recommended for all students enrolled in P.E. The uniform is a gray T-shirt and maroon shorts. Uniforms will be available for purchase during the first week of school. Prices are as follows: shorts \$10.00, t-shirts \$10.00.

No pockets on any clothing will be allowed for safety precautions. Loose fitting or dangling jewelry should not be worn. (Failure to comply results in a non-suit for that day.) Lockers will be issued; students must supply their own combination lock. The school is not responsible for replacing lost/stolen items.

State Fitness Gram Testing. All ninth grade physical education and athletic students (including Drill Team, P.E. Band, and Pep Squad) will be required to complete the Fitness Gram battery of health related fitness items. The State of California is requiring that each student meet 5 of the 6 criterion-referenced standards. If a student does not meet the passing criteria in the ninth grade, the student will continue taking the Fitness Gram battery of tests until they reach the passing criteria. Students, who have not passed the Fitness Gram by the end of the 10th grade, will be required to take P.E. until they meet the requirements. The Fitness Gram will only be given once a year during the second semester.

(0369) DRILL TEAM: Colorguard & Tall Flags Grades 9-12 Year
(0373) DANCE: Drill Team (Mrs. Gasset)

Prerequisite: Complete tryouts and be selected by qualified judges. This class is devoted to learning and practicing dance, prop, and tall flag routines needed to work with the Marching Band in field shows, parade and spring competitions. Each participant must have a physical examination from a doctor, insurance, parent permission forms on file and clearance from the athletic directors office before he/she may participate. Each participant must meet District eligibility requirements. PLEASE NOTE: Students enrolled in Colorguard must also enroll Marching Band/PE.

(0386) FITNESS CONDITIONING Grades 10-12 Quarter/Year
Fitness Conditioning is a one-year course, which will satisfy part of the Physical Education requirement for graduation. Students will achieve and maintain a health enhancing level of fitness. Students will learn exercises designed to improve their cardiovascular endurance, muscle definition, and flexibility. Students will evaluate their own fitness needs and design personal health-related fitness plans. Fitness Conditioning will include the following topics: exercise safety, health and wellness as well as the most current research and information on exercise and nutrition. Students will understand the physiological, psychological and social benefits of a healthy, active lifestyle. The actual *Total Body Workout* will be instructed with music. Priority registration goes to 11th and 12th graders. Students will need to dress in appropriate workout clothing and proper athletic shoes must be worn at all times.

(0235) HEALTH Semester
The course is designed to help students understand and develop the knowledge, skills, attitudes and behaviors that are critical to healthy living. This includes guest speakers for various topics concerning teenage health. This course is required to graduate and is required for all 9th grade students.

(0376) P.E. BAND Grades 9-12 Year
See **BAND AT TORRANCE HIGH SCHOOL** AND **HOW TO ENROLL IN BAND** (page 35). Each participant must have a physical examination from a doctor, insurance, parent permission forms on file and clearance from the athletic director's office before he/she may participate. Each participant must meet District eligibility requirements.

(0381) PEP SQUAD Grades 9-12 Year
Prerequisite: to fulfill all requirements during spring tryouts and to be selected by qualified judges. Class period is used to learn and practice routines for performances at school sporting events and special activities and after school practices are required and mandatory. Participants are responsible for individual uniform and camp expenses. Each participant must have a physical examination from a doctor, insurance, parent permission forms on file and clearance from the athletic director's office before he/she may participate. Each participant must meet District eligibility requirements.

(0384) PHYSICAL EDUCATION – COURSE 1 (PE 9) Grade 9 Quarter/Year
Program: all ninth graders must take ninth grade physical education unless he or she is participating athletics, P.E. Band, Color Guard, or Pep Squad. Students will participate in two activities per quarter. All classes are coed. Ninth grade physical education classes may include the following activities: fitness and conditioning; badminton, tennis; flag football; wrestling; soccer; weight training; basketball; softball; volleyball; and track and field.

(0385) PHYSICAL EDUCATION – COURSE 2 (PE 10-12) Grades 10-12 Quarter/Year
Students must complete an additional 10 units of Physical Education or an equivalent class in grade 10, 11, or 12. Two years (or 8 quarters) of P.E. credit is required for graduation. Physical education is optional for students in grades 11 and 12 who have already completed the P.E. graduation requirement. The activities, which may be offered, include badminton, tennis, volleyball, weight training, softball, basketball and soccer.

(0382) WEIGHT TRAINING Grades 10-12 Quarter/Year
Weight training is a coeducational activity offered to students who want to further their physical conditioning. Technical training and proper lifting fundamentals are taught. Students will learn to develop a personal work out program to fit his/her needs. Additional equipment is made available for the students to use and individualized programs are designed to help students progress. This course focuses on strength and muscle building. *Total Body Workout* will be instructed with music. Priority

registration goes to 11th and 12th graders.

ATHLETICS

PHYSICAL EDUCATION ATHLETICS

Grades 9-12

Quarter/Year

Prerequisite: students are recommended for this program by respective coaches. The courses involve participation in interscholastic athletic program. Each athlete is responsible for seeing that his/her name is on the team roster submitted by the coach of that sport prior to scheduling. Students approved for a team will be placed in 6th period and remain in 6th period for the entire semester. Each athlete must have a physical examination from a doctor, insurance, parent permission forms on file and clearance from the athletic director's office before he/she may participate. Athletes must meet CIF and District eligibility requirements (GPA above 2.0, no more than one U). Once the student begins a sport, he/she is ineligible to participate in another sport until the initial season has ended.

Students are encouraged to participate in the Torrance High School Summer school athletic programs that are offered at Torrance High School.

FALL SPORTS

- (0370) Boys' Football
- (0395) Boys' Water Polo
- (0368) Boys' and Girls' Cross Country
- (0389) Girls' Tennis
- (0391) Girls' Volleyball
- (0399) Girls' Golf

WINTER SPORTS

- (0387) Boys' Soccer
- (0387) Girls' Soccer
- (0367) Boys' Basketball
- (0367) Girls' Basketball
- (0395) Girls' Water Polo
- (0392) Boys' and Girls' Wrestling

SPRING SPORTS

- (0366) Boys' Baseball (Try outs held in winter)
- (0388) Girls' Softball (Try outs held in winter)
- (0390) Boys' & Girls' Track (Try outs held in winter)
- (0399) Boys' Golf (Try outs held in late fall)
- (0395) Boys' & Girls' Swimming
- (0389) Boys' Tennis (Try outs held in late fall)
- (0391) Boys' Volleyball (Try outs held in late fall)

Because all 9th and 10th graders must be enrolled in physical education, **keeping statistics for a team is considered an aide position. It is a quarter class and does NOT count as a P.E. class.** Statisticians will not be enrolled in 6th period Athletics.

NCAA DIVISIONS I & II Eligibility Requirements

IF YOU ARE PREPARING TO PARTICIPATE IN COLLEGE SPORTS AT A DIVISION I OR DIVISION II SCHOOL you must register with the NCAA Eligibility Center at the beginning of your junior year.

Log on to www.eligibilitycenter.org Select "Prospective Student-Athletes." Then select "List of Approved Core Courses" on the left side of the screen. Follow prompts to select school by name.

Division I (16 Core Courses)

- 4 years of English
- 3 years of mathematics (Algebra 1 or higher)
- 2 years of natural/physical science (1 year of lab if offered by high school)
- 1 year of additional English, mathematics or natural/physical science.
- 2 years of social science
- 4 years of additional courses (from any area above, foreign language or nondoctrinal religion/philosophy)

Division II (16 Core Courses)

- 3 years of English
- 2 years of mathematics (Algebra 1 or higher)
- 2 years of natural/physical science (1 year of lab if offered by high school)
- 3 years of additional English, mathematics or natural/physical science.
- 2 years of social science
- 4 years of additional courses (from any area above, foreign language or nondoctrinal religion/philosophy)

Please see your counselor for more information.

SCIENCE DEPARTMENT

Some Things to Consider When Recommending Students for Classes

- **Anatomy and Physiology, Anatomy Honors, and Principles of Biomedical Science** are biological sciences with no math prerequisites but are still rigorous courses.
- **Marine Science** is an interdisciplinary science with no math prerequisite but is still a rigorous course.
- **AP Biology and AP Chemistry:** These classes are second year courses. Students must have taken the 1st year of the course as a prerequisite
- **Chemistry/Chemistry Honors:** Please consult course handbook for math requirements
- **AP Environmental Science:** Student must have completed Chemistry 1.
- **AP Physics:** Students must be concurrent in Calculus or higher
- All AP classes are college level courses and students are expected to take the AP examinations.

9TH Grade Physical Science Pathway

8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
	Physical Science of the Earth (PSE) Introduction to Engineering & Design*	Biology 1/Biology 1 H Introduction to Engineering & Design*	Chemistry 1/Chemistry 1H Anatomy/Anatomy H Marine Science Introduction to Engineering & Design* Principles of Engineering* Principles of Biomedical Science*	Chemistry 1/Chemistry 1H Anatomy/Anatomy H AP Environmental Science (not offered 2015-16) Marine Science Introduction to Engineering & Design* Principles of Engineering* Aerospace Engineering* Principles of Biomedical Science*

9th Grade Biology Pathway

8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
	Biology 1/Biology 1 H Introduction to Engineering & Design (IED)* Principles of Biomedical Science (PBS)*	Chemistry 1 Chemistry 1 H I Introduction to Engineering & Design* Principles of Biomedical Science*	AP Chemistry AP Biology AP Environmental Science (not offered 2015-16) Physics/AP Physics Anatomy/Anatomy H Marine Science Introduction to Engineering & Design* Principles of Engineering* Aerospace Engineering* Principles of Biomedical Science*	AP Chemistry AP Biology AP Environmental Science (not offered 2015-16) Physics/AP Physics Anatomy/Anatomy H Marine Science Introduction to Engineering & Design* Principles of Engineering* Aerospace Engineering* Principles of Biomedical Science*

Accelerated Science Pathway

8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Biology 1 H	Chemistry 1 Chemistry 1 H Introduction to Engineering & Design * Principles of Biomedical Science*	AP Chemistry Physics AP Physics Anatomy/Anatomy H Introduction to Engineering & Design* Principles of Engineering* Principles of Biomedical Science*	AP Chemistry AP Biology AP Environmental Science (not offered 2015-16) Physics/AP Physics Anatomy/Anatomy H Marine Science Introduction to Engineering Design* Principles of Engineering* Aerospace Engineering* Principles of Biomedical Science*	AP Chemistry AP Biology AP Environmental Science (not offered 2015-16) Physics/AP Physics Anatomy/Anatomy H Marine Science Introduction to Engineering Design* Principles of Engineering* Aerospace Engineering* Principles of Biomedical Sciences*

Project Lead the Way* (PLTW) Engineering & Biomedical Science Pathways

Course 1	Course 2	Course 3	Course 4
Introduction to Engineering Design Principles of Biomedical Science*	Principles of Engineering	Aerospace Engineering	Engineering Design & Development (Capstone Course)

*PLTW courses are elective classes that receive “g” Elective credit on the UC a-g list. They do not replace required science classes.

(0405) +PHYSICAL SCIENCE OF EARTH EL (PSE EL) [Physical Science] (#used for scheduling purposes only)

(0421) +PHYSICAL SCIENCE OF EARTH (PSE) Grade 9 Year
This entry level course is an overview of physical science with an emphasis on the earth and provides insight into the means by which scientific knowledge is acquired. This year-long lab course is based upon the Next Generation Science Standards (NGSS) with a focus placed on developing abilities in problem solving through experimentation and concrete examples. Through the integration of chemistry and physics, students will study: earth’s place in the universe, dynamic earth processes, energy in the earth system, biogeochemical cycles, composition of the atmosphere, and California geology. This year-long course is designed to meet the physical science graduation requirement for the state of California and Torrance Unified School District. PSE meets the “g” elective University of California entry requirements.

(0405) +ANATOMY & PHYSIOLOGY (Biological Science) Grades 10-12 Year
Recommendation: students selecting Anatomy and Physiology are encouraged to have earned course grades of “C” or better in either 1) Biology and Chemistry or 2) PSE

This demanding course is open to students interested in the branch of science that provides an extensive and detailed study of the numerous organ systems of the human body. This rigorous course explores an introductory understanding of anatomical structures and physiological interactions of the body. Students will be working with specific organ dissection and will also include the systematic dissection of fetal pigs.

(0406) «+ANATOMY & PHYSIOLOGY HONORS (Biological Science) Grades 10-12 Year
This course is designed for the highly motivated student interested in pursuing a career in the healthcare profession. Using the thematic approach of homeostasis, the course involves extensive knowledge through all the major systems of the human body. The course will include critical thinking laboratory experiments as well as a number of complex animal dissections, including the cat. Assessment will include frequent use of practical exams. In addition, classroom discussion will focus on bioethics and medical controversies that challenge higher level thinking skills. The curriculum

covers all of the systems with more depth and detail than the regular anatomy class and is designed for students that meet the honors criteria as listed on page 33 of the course description book.

(0424) +BIOLOGY 1 EL [Biological Science] (#used for scheduling purposes only)
(0409) +BIOLOGY 1 Grades 9-12 Year

Prerequisite for ninth grade students: Geometry or higher math class concurrently.

This is a one year course, which includes biological principles, vertebrate and invertebrate systems; microorganisms; genetics, plant and animal cell systems; evolution; and ecology. The investigative approach is emphasized and laboratory techniques are used in this hands on journey into living systems. This course satisfies biological science graduation requirement for TUSD and meets one year of the UC/CSU requirements as a lab science.

(0411) +BIOLOGY 1 H (Biological Science) Grades 8-10 Year

Prerequisite: Geometry or higher math class concurrently.

Recommendation: students selecting Biology Honors are encouraged to have earned an A in Physical Science of the Earth for both semesters.

This course is the study of living things through the molecular approach to life. The structure and function of organisms through evolution will be included in this introduction to a complete program of future science courses. This class is recommended for highly capable and highly motivated students. Students selecting this course should read at or above grade level and be mature enough to work independently. Subject matter is demanding and will require daily student preparation and study. This course satisfies biological science graduation requirement for TUSD and meets one year of the University requirements as a lab science.

Note Biology 1 Recommendation:

- 9th grade students who take Biology 1 must have successfully completed Algebra 1 and be concurrently enrolled in Geometry.
- Students who choose Biology 1 in the ninth grade year must complete Chemistry or Physics to graduate from high school.

(0414) «+AP BIOLOGY (Biological Science) Grades 10-12 Year

Prerequisite: PSE, Biology 1, Chemistry.

Recommendations: students selecting Biology 2 AP are encouraged to have completed Biology and Chemistry with a grade of A or Biology Honors and Chemistry Honors with a grade of B or better.

This standards based college level class is designed for capable, highly motivated students. This course will prepare students for the Advanced Placement Test, which can earn college credit. Course content is rigorous, requiring daily student preparation and study. Students must be capable of working on their own. Students need to contact the Science Department Chair by June 11 to discuss summer reading. This course will prepare students to show competency in the NGSS in Biology.

(0417) +CHEMISTRY 1 (Physical Science) Grades 9-12 Year

Recommendations: students selecting chemistry are encouraged to have earned a grade of C or better in Biology and need to be enrolled in Algebra 2 or a higher math class concurrently.

Course content includes the study of the fundamental laws and principles of chemistry, including related laboratory experiences and problem solving. A strong background in mathematics is recommended. Successful completion of chemistry is an entrance requirement for many colleges and recommended by all colleges. It is a laboratory science, which meets requirements for college entrance. This course will prepare students to show competency in the NGSS in Chemistry.

(0418) «+CHEMISTRY 1 HONORS (Physical Science) Grades 9-12 Year

Prerequisite: PSE and Biology as well as Algebra 2 or higher math class concurrently.

Recommendations: students selecting Chemistry Honors are encouraged to have earned a B or better in Geometry and also earned an A in Biology, earned an A or B in Biology Honors, or earned an A in both semesters of both Physical Science of the Earth and Integrated Science 2.

This class uses a university level textbook and is designed and recommended for capable and highly motivated students. Daily student preparation and study is required. Course content is rigorous and

includes a great deal of mathematical problem solving. Students must be capable and willing to work independently. Chemistry Honors meets college entrance requirements for a laboratory science.

(0439) «+AP CHEMISTRY (Physical Science) Grades 10-12 Year
Prerequisite: current enrollment in Pre-Calculus or Calculus and completion of Chemistry 1/Chemistry 1 Honors.

Recommendations: students selecting AP Chemistry are encouraged to have earned an A in Chemistry 1 or an A or B in Chemistry 1 Honors. Students are also encouraged to have earned a B or better in Geometry and Algebra 2.

This course is rigorous, challenging and is designed to prepare students to take and pass the AP Chemistry exam. The class is equivalent to a college or university chemistry class and it meets college entrance requirements for a laboratory science. This course will prepare students to know and understand the NGSS in Chemistry.

(0400) «+AP ENVIRONMENTAL SCIENCE (Physical Science) Grades 10-12 Year
Recommendation: students selecting this course are encouraged to have earned grades of B or higher in either AP Biology and AP Chemistry or PSE, Biology 1, and Chemistry.

The Advanced Placement Environmental Science Course is designed to be the equivalent of a one semester, introductory college course in Environmental Science. This interdisciplinary laboratory science course embraces the departments of geology, biology, environmental studies, chemistry and geography providing students the tools to examine, analyze, evaluate and possibly resolve natural and manmade environmental problems. This course is extremely rigorous and challenging and expects students to take the AP Environmental Science exam.

(0431) +MARINE SCIENCE A/B (Interdisciplinary Science) Grades 11-12 Year
Recommendation: students selecting Marine Science are encouraged to have earned course grades of "C" or better in either 1) Biology and Chemistry/Physics or Biology and PSE.

Marine Science is the science that deals with the dynamic processes of the oceans and seas. First semester coursework in this class includes physical and chemical analysis of ocean water, examination of the ocean floor and coastal features, investigation and measurement of currents, waves, and tides, and analysis of the interaction of atmosphere and sea. Second semester coursework includes investigations of marine life and various ocean and coastal habitats. All students participate fully in this activity-based program. Oceanography/Marine Biology.

(0433) +PHYSICS (Physical Science) Grades 10-12 Year
Prerequisite: completion of Chemistry and Algebra 2 with a grade of C or better.
Recommendation: concurrent enrollment in Pre-Calculus.

This course is a study of matter and energy. Force and motion, structure of matter, heat, sound, light, electricity, and atomic and electronic nuclear physics are considered. A strong math background and a high comfort level in problem solving are required. This course will prepare students to know and understand the NGSS in Physics.

(0454) AP PHYSICS C MECHANICS (Physical Science) Grades 10-12 Semester
Prerequisite: completion of or concurrent enrollment in Calculus. Recommendations: students selecting AP Physics are encouraged to have earned a B or higher in Pre-calculus as well as an A in Biology and Chemistry. Students are encouraged (but not required) to take regular Physics before AP Physics. AP Physics C is a calculus-based physics course principally taught to students who plan to major in physics, astronomy, medicine, mathematics, or engineering. This course provides an excellent first-year college-level physics education and is extremely rigorous and challenging. Students will be expected to take AP Physics C E&M (Course No. 0453) second semester and the AP Physics C Mechanics test at the end of the year. The course covers a wide range of topics in mechanics, including Kinematics, Newton's Laws, Work and Energy, Impulse and Momentum, Conservation Laws, Circular Motion and Gravitation, Angular Momentum, and Simple Harmonic and Waves. Enrollees need to be highly motivated and dedicated to working independently. Problem solving is a critical part of this course.

(0453) AP PHYSICS C ELECTRICITY & MAGNETISM (Physical Science) Grades 10-12 Semester
Prerequisite: completion of or concurrent enrollment in Calculus. Recommendations: students selecting AP Physics are encouraged to have earned a B or higher in Pre-calculus as well as an A in Biology and Chemistry. Students are encouraged (but not required) to take regular Physics before AP Physics. AP Physics C is a calculus-based physics course principally taught to students who plan to major in physics, astronomy, medicine, mathematics, or engineering. This course provides an excellent first-year college-level physics education and is extremely rigorous and challenging. Students will be expected to take AP Physics C Mechanics (Course No. 0454) first semester and the AP Physics C E&M test at the end of the year. The course covers a wide range of topics in electricity and magnetism, including Electrostatics (Coulomb's Law and Gauss's Law), Capacitance, Electric circuits, Ohm's Law, Magnetism and Magnetic forces, Electromagnetism (Faraday's Law and Lenz's Law), Induction and Inductance, LRC circuits, AC circuits, Motors and Generators. Enrollees need to be highly motivated and dedicated to working independently. Problem solving is a critical part of this course.

PROJECT LEAD THE WAY

(0432) Principals of Engineering (Interdisciplinary) Grades 9-12 Year
Prerequisite: Concurrent enrollment in Chemistry Honors or Physics; must be enrolled in Alg. 2 or above

This course is designed to introduce students to the foundation principles of engineering and to give students opportunities to begin applying those principles to real-life problems. Students will learn that the engineering process is multi-faceted, combining physical science knowledge, mathematical insight, creative design, organization skills, communication skills, data analysis and documentation, and critical thinking. Students will engage in problem-solving activities and project development that will require them to build expertise in all of the facets of engineering mentioned above. Course format will include lectures, in-class use of various technologies, group projects, discussions, problem-solving sessions, lab experiments, and outside research. Students will be concurrently enrolled in El Camino College and will receive El Camino credit in Engineering Technology.

(0438) Aerospace Engineering (Interdisciplinary) Grades 11-12 Year
Prerequisite: Principles of Engineering of Engineering, Chemistry & Physics; must be enrolled in Alg. 2 or above.

The major focus of Aerospace Engineering is to expose students to the world of aeronautics, flight and engineering through the fields of aeronautics, aerospace engineering and related areas of study. Lessons engage students in engineering design problems related to aerospace information systems, astronautics, rocketry, propulsion, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials and systems engineering. Students work in teams utilizing hands-on activities, projects and problems and are exposed to various situations faced by aerospace engineers. In addition, students use 3D design software to help design solutions to proposed problems. Students design intelligent vehicles to learn about documenting their project, solving problems and communication their solutions to their peers and members of the professional community. This course is designed for 11th or 12th grade students. Students will be concurrently enrolled in El Camino College and will receive El Camino credit in Engineering Technology.

(0455) + Principles of Biomedical Science (Biological Science) Grades 11-12 Year
Principles of Biomedical Science (PBS) students will investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduced students to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits and defense against disease are embedded in the curriculum. PBS takes a hands-on, real-world problem-solving approach to learning where students will explore the concepts of human medicine and are introduced to bioinformatics, including mapping and analyzing DNA. Think CSI meets ER. Engineering principles including the design process, feedback loops and the relationship of structure to function are also incorporated. This course is designed to provide an overview of all the courses in the Biomedical Sciences field. Prerequisites: completion of Biology 1/Biology 1 H and either completion of and/or concurrent enrollment in Chemistry 1/Chemistry 1 H. Students taking in PBS should be enrolled in Algebra 2 or other advanced math classes.

SOCIAL SCIENCE DEPARTMENT

High school students should know and understand the cultural heritage of the past and its influence on the present in order to assume their roles as participating citizens in their democratic society. Completion of a full year each of World History and U.S. History and a semester of both Economics and Government are required for graduation. All of the Social Science classes below adhere to state standards and/or AP guidelines as appropriate to the specific class being taught.

AP CLASSES

- Each AP class will hold an informational meeting in the spring for prospective students. Students and parents must sign a contract agreeing to commit to the workload and extra effort required of the course.

(0511)	+ECONOMICS A	Grade 12	Semester
(0621)	+ECONOMICS A, Sheltered	Grade 12	Semester

This survey class will look at the major forces that shape the American Economic system. A comprehensive look at micro and macroeconomics will aid the students in acquiring a knowledge of the structure and functions of the institutions and concepts underlying the American economic system. The position and influence of the United States in world economy are studied.

(0521)	+UNITED STATES GOVERNMENT B	Grade 12	Semester
(0612)	+UNITED STATES GOVERNMENT B, Sheltered	Grade 12	Semester

This course offers a study of basic principles, functions, organization, and purposes of government in the United States. Emphasis is on the federal system and national government, the legislative process, the executive function, the role of the judiciary, and the responsibilities and rights of the citizenry in a free society.

(0525)	«+AP GOVERNMENT AND POLITICS	Grade 12	Courses taken
(0527)	«+AP MACROECONOMICS	Grade 12	simultaneously

AP Government and Politics offers a college level in-depth study of basic philosophies, principles, functions, organization, and purposes of government in the United States. Emphasis is on the federal system and national government, the legislative process, executive power, and the role of the judiciary. Additional areas include the political process, civil rights and civil liberties, and the role and responsibilities of the citizen in a free society. Formal research, seminar discussions, and independent study are principal elements of instruction. This course is designed for mature, responsible students who have demonstrated special interests and talents for political and governmental studies. AP Macroeconomics offers a college level in-depth study of macro and international economics. Emphasis is on the realm of macroeconomics, economic growth, theory and policy, aggregate demand, supply and demand equilibrium, money and banking, fiscal policy, inflation, growth and international economic policies. These courses are taught simultaneously with the semester grade given at the end of the second semester. These courses prepare students for Advanced Placement Exams. The Advanced Placement exam is expected to be taken.

(0506)	+UNITED STATES HISTORY A/B	Grade 11	Year
(0605)	+UNITED STATES HISTORY A/B, Sheltered	Grade 11	Year

This two semester course begins with a major review of past learning including the American Revolution, the Constitution, the Civil War, and Reconstruction. The major thrust of the course, however, begins with the Progressive era at the turn of the twentieth century. It will focus on the changing role of the United States in the global community, on the impact the twentieth century had upon American institutions and attitudes as well as the impact of the United State's growth as a super power in the world. The study of the twentieth century includes an integration of history and geography, literature, and cultural diversity.

(0531) +PSYCHOLOGY A/B

Grades 10-12

Year

This course is designed to give students an introduction to the general field of psychology. Students will be exposed to both traditional psychology and the field of parapsychology. Among the topics, which may be covered, are perception, personality, motivation, emotions, learning, growth and development, ESP, dreams, sleep, and history of psychology. Psychology B provides opportunities for students to do specific, in-depth studies in the field of psychology. This course will focus on self-concept and self-image. Students will do extensive work on assertion training and the concept of *Freedom*.

(0534) «+PSYCHOLOGY AP

Grades 11-12

Year

A rigorous year-long course in Psychology designed for qualified students who wish to complete studies in high school equivalent to an introductory college course in psychology. Course content includes units on history and approaches, research methods, biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotions, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders, and social psychology. The course is designed to prepare students for the AP Examination in Psychology. It will require outside research and extensive reading. The Advanced Placement exam is expected to be taken.

VISUAL AND PERFORMING ARTS

UC Visual Performing Arts requirement: Students must satisfy the VPA requirement by completing a single course in a yearlong sequence in a single discipline of the arts.

VISUAL ART

This program makes possible experiences in a variety of media and exposes students to the possibilities of applying their creative skills within the realm of vocational as well as recreational endeavors. Student projects will depend upon the equipment and materials that are available. Materials for Art Department classes are paid for in accordance with district policy.

(0007) +ART 1 Grades 9-12 Year

This class is designed as an entry-level high school art class. Students will be challenged with both two and three-dimensional projects using materials and concepts that will further their understanding of the visual arts. Projects will help the student in developing an awareness of how these concepts apply to past, present and future cultures. Realistic and abstract drawing styles, painting, sculpture, printmaking, weaving, paper maché and architecture are some of the areas investigated. Completion of this one-year course will meet the district VPA graduation requirement.

(0008) +ART 2 Grades 10-12 Year

Prerequisite: full year of Art 1 with a grade of "A" or teacher recommendation. Emphasis is placed upon composition and the process involved in developing the ability to create. Original works of art are pursued in various media. Students become aware of schools of art and investigate current developments and opportunities in art. Students will be expected to enter local art competitions and exhibitions.

(0009) +ART 3 Grades 11-12 Year

Prerequisite: full year of Art 2 with a grade of "B" or better in Art 2 and teacher recommendation. Students will have the opportunity to develop a portfolio of works that they have created. Diversity of subject matter and media will be encouraged. Students will consider post high school options for application of their art interests, both academically and vocationally. Students will be expected to enter local art competitions and exhibitions.

(0010) +ART 4 Grade 12 Year

Prerequisite: full year of Art 3 with a grade of "B" or better in Art 3 and teacher recommendation. Students will continue to improve their portfolio of work and explore the creative process in more depth. Students will be expected to enter local art competitions and exhibitions.

(0012) +BEGINNING CERAMICS A/B Grades 11 -12 Year

This course develops creativity through the medium of clay. Students learn terminology and techniques for hand building, the potter's wheel, and glazing. First semester students will learn the basic hand building techniques; pinch, coil, and slab. Second semester students will further develop all these techniques with an emphasis on form and sculpture. Students will also learn the basics of wheel throwing construction and casting. Each semester will investigate ceramic's relevance through, history, science, culture, and contemporary applications.

(003) +ADVANCED CERAMICS A/B Grade 12 Year

Prerequisite: one year of Ceramics A/B with a grade of "A", or instructor recommendation. This class will give the self-motivated student an opportunity to expand their knowledge and ability. Students will experiment with more complex combinations and forms. They will further explore glaze composition, applications, and firing techniques, gaining insight into the wide range of the material's possibilities. This class will challenge the student's creative potential as well as provide a supportive environment for scholarships and regional to state recognition.

(0033) +PHOTOGRAPHY 1 A/B Grades 11-12 Year
This course is an introduction to basic concepts and techniques in photography. Students learn the working of the camera, how to take pictures creatively, develop film, print proofs and enlargements, take digital photos, edit using Photoshop, mount photographs, etc. Students receive class, darkroom, and computer lab instruction. Assignments may include action, depth of field, still life, portraiture, night shots, etc. Students investigate vocational possibilities in the field of photography. Students must furnish a 35mm camera for their use.

(0035) +PHOTOGRAPHY 2 A/B Grades 12 Year
Prerequisite: one year of Photography 1 with grade of "B" or better in and teacher recommendation. Students should have a working film and digital camera with the capability to change the shutter speed and aperture for more creative flexibility in taking pictures. Students will have the opportunity to expand their knowledge and ability in the developing process in the darkroom and editing digital images. Students will be required to enter local and community photo competitions. Students must furnish a camera for their own use.

MUSIC

The following musical performance groups are offered at Torrance High:

Participation in band, choir, or ensembles provides students with an opportunity to become involved with school and community activities and to learn qualities of leadership, responsibility and citizenship. This program provides an enrichment and appreciation that develops the whole student and lasts throughout their lives.

(0347) +WIND ENSEMBLE Grades 9-12 Year
This class is for all wind players including woodwinds (flute, clarinet, bass clarinet, all saxophones, oboe and bassoon) and brass (trumpet, trombone, French horn, baritone, euphonium, and tuba). Students enrolled in Wind Ensemble MUST also enroll in PE Band. Students are required to participate in concert band and are eligible to participate in marching band, jazz band, and drumline. (See BAND AT TORRANCE HIGH)

(0346) +Jazz Band Grades 9-12 Year
This class is for all students who successfully audition for the Jazz Band including winds (trumpet, trombone, and saxophone) and rhythm section (piano, guitar, bass guitar, drum set). Students enrolled in Jazz Band are required to participate in Jazz Band and either Concert Band (winds) or Jazz Combos (rhythm section). In addition, these students may also participate in Marching Band, Spring Drumline, or Spring Colorguard. Students enrolled in Jazz Band MUST also enroll in PE Band.

(0345) +PERCUSSION ENSEMBLE A Grades 9-12 Year
This class is for all percussion players, and all rhythm section players. Students enrolled in Percussion Ensemble MUST also enroll in Band PE. Students are required to participate in a minimum of one performance ensemble including marching band, jazz band, and drumline. (See BAND AT TORRANCE HIGH)

(0376) P.E. BAND Grades 9-12 Year
All band students are required to enroll in PE BAND. (There is no requirement to participate in Marching Band.) All band students are required to participate in concert band and are eligible to participate in marching band, jazz band, drumline, and/or Colorguard. (See BAND AT TORRANCE HIGH)

(0333) +ADVANCED BAND - PIANO Grades 9-12 Year
This yearlong course is designed to teach students to play beginning level piano. No prior musical experience is necessary. Students should have a strong desire to practice piano on a daily basis. Students will learn the physical "hands on" playing of the instrument as well as basic music theory (scales, chords, rhythm, etc.), appropriate songs, and music history. Students will work daily in our piano lab with piano/keyboards and computers. This class fulfills the "Fine Arts" graduation requirement for California State University and University of California schools.

(0339) +CHORAL WORKSHOP (Troubadours) Grades 9-12 Year
Admission by instructor approval and audition only. This class provides advanced students with more difficult vocal technologies, close harmonies, and advanced music literature in various styles. This is a performing troupe for festivals, competitions and other activities, which requires special costuming and travel to other communities. Students must maintain eligibility. This class fulfills the "Fine Arts" graduation requirement for California State University and University of California schools.

(0338) +CHOIR A/B Grades 9-12 Year
Open to all students interested in singing. Class stresses voice development and proper vocal conditioning, learning to sing in harmony and reading music. Students are introduced to a variety of music. This is a performing troupe for concerts and other activities, which may require special costuming and travel to other communities. Students must maintain eligibility. This class fulfills the "Fine Arts" graduation requirement for California State University and University of California schools.

(0340) +GLEE ENSEMBLE AB: JAZZ CHOIR Grades 9-12 Year
This vocal group and instrumental "combo" (piano, bass, drums, guitar, sax) focus on singing traditional and contemporary vocal jazz music of many styles. No experience necessary but students must audition and have instructor approval to enroll. Jazz Choir performs at multiple concerts, festivals, competitions and other activities, which require special costuming and travel to other communities. Students must maintain eligibility. This class fulfills the "Fine Arts" graduation requirement for California State University and University of California schools.

BAND AT TORRANCE HIGH

The band program at Torrance High offers four musical performing groups options which include:

CONCERT BAND is similar to an orchestra but with no string instruments. **All band students (except piano and guitar students) are required to participate in Concert Band, which performs two to three concerts per year and at competitive festivals in the spring.** Note – Guitar and piano players must participate in jazz band instead of concert band.

Other performance group options include:

Jazz Band – A 1950's style jazz group, which plays a wide range of music including swing standards and current popular music. This group competes regularly in the spring and performs at a wide variety of school and community functions. Membership in jazz band is by audition only and is available to all brass, saxophone, piano, guitar, bass, and percussion players.

Marching Band – This group performs half-time shows at all football games and provides pep music at rallies and home basketball games. In addition, this group competes in the fall throughout California and travels every other year to various cities throughout the country. This group is open to all interested students – no experience is necessary.

Drumline – This group performs as part of the Marching Band in the fall season and with the Pep Band at rallies and basketball games. In addition, the Drumline competes extensively in the spring at tournaments throughout Southern California. Membership in the Drumline is open to all percussionists (drummers) – no experience necessary.

Colorguard/Drill Team – This is a non-musical performance group that focuses on dance and tall flags. They perform with the Marching Band in the fall and at rallies and also compete extensively in the spring throughout Southern California.

Each group may have additional rehearsals twice a week depending on the season. Schedules will be provided to all participating students. Rehearsals generally last 2-1/2 to 3 hours and may be after school or in the evenings. In addition to these rehearsals, all band students are expected to participate in several band functions including concerts, tournaments, and fundraisers that take place on weekends.

OTHER FINE ARTS COURSES

(0088) +VISUAL PRODUCTION ART Grades 10-12 Year
Maximum U.C. and C.S.U. Credit Limitation = 10 credits. No Torrance High School credit limitation. This class may be repeated for credit.
Prerequisites: Year 1: teacher permission & Multimedia Designs or its equivalent required; Year 2: Video Production 1 with a C or better; Year 3 - Video Production 2 with a C or better. In the Video Production Year 1 program the technology will consist of video and audio recording and editing equipment hardware and software. Students will write, direct, and edit short narrative, documentary and animated films. Students will learn the aesthetics and history of the art of film. They will be able to identify these aesthetics analyze them and make use of them artfully in their own filmmaking. Students will learn how to use Adobe Creative Suite Programs to promote these films, which they will display at the Torrance High School Film Festival. Video Production Art may be taken for either Fine Arts or Career Technical Education credit.

(0263) COSTUME AND WEARABLE ART Grades 9 – 12 Year
In this two semester introductory course students are required to learn the techniques of sewing and the tools of the art; they study the elements and principles of design and relate them to the harmony of a garment that compliments the human form. They study the history of clothing and costume and the cultural traditions that accompany the history. They learn the art of textile making, both of natural and synthetic fibers. They use dyes to create textile design using tie-dye and batik methods. They learn the art of sketching the fashion figure, using the proportions of the human body in exaggerated form for effect. They create collections of clothing by sketching, drawing and planning the textiles from which to sew them. They create actual garments. Those garments will reflect their artistic interpretation of the elements and principles of design in functional art. They assist in the design and production of costumes for one the drama department's stage productions. They produce a portfolio of the illustrations and display their art wear and functional clothing that is inspired by their own ideas of art and historical costume. This introductory year-long class will count as fine arts credit and meets UC "f" requirement.

THEATRE ARTS

(0112) +THEATRE ARTS 1 Grade 9-12 Year
Beginning theatre focuses on building the students' self-concept. It is an overview of theatre covering the basic techniques necessary for dramatic activities. In-class activities include mastering interpretation, analyzing play structure and character development, theater production, rehearsal, memorized performances, theatre games and exercises, and improvisation. Students are required to attend and evaluate the THS play production and participate in a fundraiser each semester. Students interested in taking only one semester of theatre must enroll in the fall semester.

(0113) +THEATRE ARTS 2 Grades 10-12 Year
Prerequisite: a grade of 'B' or better in both semesters of Theatre Arts 1 and teacher recommendation. This course focuses on directing. Students will learn techniques of production, directing and designing. Directors will work with Theatre Arts 3 & 4 actors as a means of practicing their learned skills in directing. The remainder of the year will be devoted to our Annual Night of Broadway (students must be willing to sing and dance even if it is not their forte), Drama Camp (our community service project), interpretive dance, and the student produced Festival of One-Acts. Students are required to attend and evaluate the THS play production and participate in a fundraiser each semester. Students may not take Theater Arts 2B without completing Theatre Arts 2A. Students who earn a letter grade lower than a 'C' and/or accumulate more than 10 absences in Theatre Arts 2A may not go on to Theatre Arts 2B.

(0114) +THEATRE ARTS 3

Grades 11-12

Year

Prerequisite: a grade of 'B' or better in both semesters of Theatre Arts 1 and 2 and teacher recommendation. This course enables the student to apply the fundamentals of acting and to learn new techniques in developing an effective performance. There is a stronger focus on character development and performance technique; therefore, students are strongly encouraged to participate in the extracurricular shows. Students will write their own one-acts to be performed by their peers. The remainder of the year will be devoted to our Annual Night of Broadway (students must be willing to sing and dance even if it is not their forte), Drama Camp (our community service project), interpretive dance, and the student produced Festival of One – Acts. Students are required to attend and evaluate the THS play production and participate in a fundraiser each semester. Students may not take Theatre Arts 3B without completing Theatre Arts 3A. Students who earn a letter grade lower than a 'C' and/or accumulate more than 10 absences in Theatre Arts 3A may not go on to Theatre 3B.

(0115) +THEATRE ARTS 4

Grade 12

Year

Prerequisite: a grade of 'B' or better in both semesters of Theatre Arts 1, 2 and 3 and teacher recommendation. Students will work closely with the Theater teacher, helping with the productions of the fall and spring plays. Students will learn about theater management, publicity and producing. Further acting and directing will be accomplished in this class as well. Theater Arts 4 students are expected to direct a one-act for our festival, as well as participate in both our extracurricular shows. Much of the year will be devoted to our Annual Night of Broadway (students must be willing to sing and dance even if it is not their forte), Drama Camp (our community service project), interpretive dance, and the student produced Festival of One-Acts. Students are required to attend and evaluate the THS play production and participate in a fundraiser each semester. Students may not take Theater Arts 4B without completing Theater Arts 4A. Students who earn a letter grade lower than a 'C' and/or accumulate more than 10 absences in Theatre 4A may not go on to Theater Arts 4B

ADDITIONAL OFFERINGS

(0459) ACADEMIC DECATHLON Grades 9-12 Semester/Year
(By selection) The Academic Decathlon class prepares potential competitors for the yearly statewide competition. By studying and researching 10 different subject areas in depth, students develop their research, writing, speaking, and studying skills. The summer class is highly recommended for those who wish to be considered for the fall competition. Opportunities exist for all GPA's. May be repeated for credit.

(0452) OFFICE AIDE A Grades 10-12 Quarter
(0450) LIBRARY PRACTICE Grades 10-12 Quarter
(0448) CLASS AIDE Grades 10-12 Quarter
Requires teacher/office recommendation. This program enables students to act as Class Aide to departments or teachers. Students will assist teachers by running errands and performing appropriate classroom tasks. Students may not receive more than ten (10) credits of aide course work towards graduation. Students may not enroll in more than one aide course in a given semester. Students must have a minimum 2.0 GPA.

(0449) LEADERSHIP A/B Grades 9-12 Semester
(By election) Leadership A/B is for elected student council members. Student government, parliamentary procedure, and the organization and running of the co-curricular program are key elements of Leadership A. Students will have the opportunity to develop speaking and writing skills, organizational skills, and to gain confidence and poise. Service to the community, school, and peers is stressed.

OTHER ELECTIVE COURSES

(0627) SOUTHERN CALIFORNIA ROC 1-4pm
(0628) SOUTHERN CALIFORNIA ROC 4-7pm
(0653) SOUTHERN CALIFORNIA ROC 7-10pm

Students and parents should be aware of changes in the SoCal ROC program and how credits are issued. Classes are offered in a variety of time blocks beginning with 12:45-3:45 and there are several programs offered after 3:00 pm. Credits for each class are published in the semester schedules. Students may earn between 5-10 credits for a semester long class. If credits are a concern, please pay close attention to the number of credits awarded to successful completion of the class you chose. A parent and counselor's signatures are required for registration. Registration for SoCal ROC classes ends after the first few days of the new semester. In many cases, classes fill early depending on demand. Early registration is recommended.

Torrance High School Honors/AP Program Information

GATE/Honors/AP Coordinator Robert Patterson x8077

District Philosophy

The Torrance Unified School District is committed to the principle that all students deserve an opportunity to participate in rigorous and academically challenging courses. All students who are willing to accept the challenge of a rigorous academic curriculum and meet course prerequisites...shall have equal access to Advanced Placement and Honors courses.

Necessary Guidance to Help Student Make Appropriate Course Choices

It will be important to help students make appropriate course choices without placing restrictions on what courses they are permitted to take. To that end, we have designed a guidance and course selection process from February through June intended to help students and parents determine if enrollment in an Honors or Advanced Placement course is appropriate. The emphasis will be placed on making sure students and parents are aware of the goals of Honors and Advanced Placement courses, the workload in these classes, and the expected performance level for students in these courses. Students and parents will be able to weigh the input of the teachers and counselors with the rigors of the courses and determine if they wish to accept the challenges of Honors or Advanced Placement courses.

Student Commitment to Honors Program

In addition, students will be asked to commit to at least a full year of enrollment in these courses. Students in these courses will be evaluated at the semester. It is our belief that in choosing to enroll in advanced courses that student must also commit to the higher expectations in these courses. Students with failing grades may be removed from the course without honors or Advanced Placement credit.

What is the difference between AP and Honors?

Both levels are rigorous courses of study. However, AP courses are designed and updated annually to reflect what's being taught in cutting-edge college courses. Students receive an external evaluation by means of the AP exam. College faculty from around the world will score the exam and verify that the student has mastered college-level studies.

Torrance High School offers the following Honors and Advanced Placement courses:

Honors

Geometry Honors
Algebra 2 Honors
Pre Calculus Honors
Anatomy and Physiology Honors
Biology 1 Honors
Chemistry 1 Honors

English 1 Honors

English 2 Honors
Spanish 2 Honors
Spanish 3 Honors
Korean 4 Honors by Demonstration
Korean 5 Honors by Demonstration

Advanced Placement

AP English Literature and Composition
AP English Language and Composition
AP Statistics
AP Calculus AB/BC

AP Environmental Science (NOT OFFERED in 2015-2016)
AP Chemistry
AP Biology
AP Physics
AP Government & Politics
AP Macroeconomics
AP US History
AP World History
AP Psychology
AP Spanish Language & Culture
AP Japanese Language and Culture
AP Human Geography

Honors Program

Each course of study in the Torrance High School Honors Program is designed to meet standards of scholarship and academic achievement that are at a substantially higher level than a student is expected to attain in a regular course of study. Each course of study in the Honors Program must meet the following criteria:

- Prepare students for Advanced Placement.
- Have established prerequisites that include designated levels of appropriate performance.
- Have distinctive features in terms of extended contents and additional workload that set it apart from regular high school courses in the same subject.

Advanced Placement Courses

1. AP courses give students a head start on college.
2. College credit can allow you to move into upper-level college courses sooner.
3. Stand out in the admissions process
4. Earn academic scholarships and awards
5. Experience a college-level test
6. AP classes qualify for the honors grade point which is recognized by University of California
7. AP classes demand a high standard of teaching.
8. Students who take AP courses and exams are much more likely than their peers to complete a bachelor's degree in four years or less.

CONSIDERATIONS FOR AP COURSES

- All AP courses require serious academic commitment.
- These are college level courses and students will be expected to meet the expectations of the teacher.
- AP student will pay for each exam they take. (Current cost - \$95.00)
- The AP Tests are approximately 3 hours long and are administered over a two-week time period during mid-May.
- Students are expected to take the exam(s) for each corresponding enrolled course.

Are You Ready For Honors?

Each year Torrance Unified School District offers students the opportunity to take classes at the local high school as a way to advance in various subject areas. Although these classes are quite demanding, most students who attend these classes are successful. This questionnaire is designed to help students and their parents decide whether these classes are appropriate to take. Please answer the questions honestly and discuss the results with your parents. The more informed your decision is, the more successful you will be.

- Are you INTERESTED in this subject?
- Do you ALWAYS complete all your homework and turn it in ON TIME?
- Do you have GOOD STUDY HABITS—find time each day to study even if you don't necessarily have homework?
- Are you MOTIVATED by a challenge and have the PERSEVERANCE to complete a task even if it is very difficult?
- Do you take RESPONSIBILITY for your work—go above and beyond what's expected, participate in class, very attentive in class?
- When problems arise, do you SEEK HELP from others?
- Are you SUCCESSFUL in all of your classes, even those that seem less interesting?

Look carefully at the key words here and rate yourself. If you can honestly answer yes to each question then you are probably well suited to enter this program. If you answered “**maybe**” or “**no**” to some of the questions, you may wish to wait a year and work on those habits to improve them and then apply for these classes at a later time during your high school career. Remember that each student has individual strengths and weaknesses. Several of these reasons are not based on student interest or ability and may reflect that you are not quite ready for these courses. Please don't rank yourself against others. You are the person who will attend the class. You must complete the assignments and you alone will take the tests.

SEQUENCING OF COURSES

The following courses offered in the five subject areas are listed in sequential order and show how a student would progress through Torrance High School's four-year Honors/AP program:

MATH:

Geometry Honors (8-10)
Algebra 2 Honors (9-11)
Pre Calculus Honors (10-12)
AP Calculus – AB & BC (11-12)
AP Statistics (11-12)

SCIENCE:

Biology 1 Honors (8, 9, 10)
Chemistry 1 Honors (9-11)
Chemistry AP (10-12)
Anatomy & Physiology Honors (10-12)
AP Biology (10-12)
AP Environmental Science (10-12)- NOT OFFERED 2015-2016
AP Physics C - Electricity & Magnetism/AP Physics C – Mechanics (10-12)

SOCIAL SCIENCE:

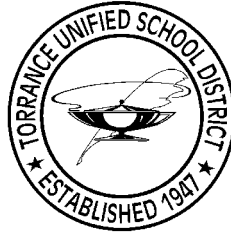
AP Human Geography (9-10)
AP World History (10)
AP US History (11)
AP Government/Macroeconomics (12)
AP Psychology (11-12)

ENGLISH:

English 1 Honors (9)
English 2 Honors (10)
AP English Language & Composition (11)
AP English Literature & Composition (12)

FOREIGN LANGUAGE:

Korean 4/5 Honors by Demonstration (varies)
Spanish 2 Honors (9-11)
Spanish 3 Honors (10-12)
AP Spanish Language & Culture (11-12)
AP Japanese Language & Culture (11-12)



HONORS/ADVANCED PLACEMENT COURSE COMMITMENT FORM

Student Name _____ **Grade** _____

Student I. D. Number _____ **School** TORRANCE HIGH

Honors Course(s) Selected

Advanced Placement Course(s) Selected

- § I am aware that the Honors and Advanced Placement (AP) courses are rigorous and demanding. I believe that I have the necessary academic background, commitment and motivation to succeed.
- § I understand that Advanced Placement (AP) courses are equivalent to freshman-level courses at an American university and at the conclusion of an Advanced Placement course I will have the opportunity to take the corresponding Advanced Placement exam.
- § I am prepared to make a commitment to stay in the class for one year and I am aware that my grade will be part of my permanent high school record.
- § I recognize that success in these courses require that I may need to sacrifice school-sponsored and community activities, especially those that require me to miss school or require evening hours.
- § I am aware that summer homework is required in Honors/Advanced Placement courses and becomes part of my fall semester grade.
- § I have discussed my decision for Honors/Advanced Placement classes with my teacher, counselor and parents.

Student Signature _____ **Date** _____

Parent/Guardian Signature _____ **Date** _____

MISSION STATEMENT

The community of Torrance High School is committed to providing a quality educational experience with challenging academics for all students. We are dedicated to creating and maintaining for all students, staff and parents an environment that:

Fosters democratic ideals and good citizenship

Nurtures mutual respect and individual differences

Provides for diversity of learning styles, talents and levels of developments

Develops life long learners and productive members of society

Promotes responsible risk taking and personal growth

Encourages critical thinking and problem solving

Recognizes personal responsibility for the well being of the environment and global society.