# SANTA MARIA High School



## 2022-2023 COURSE DESCRIPTION BOOKLET

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## TABLE OF CONTENTS

VISION/ MISSION STATEMENT	2
COURSE DESCRIPTION OVERVIEW	3
GRADUATION REQUIREMENTS	4
AGRICULTURAL DEPARTMENT COURSES	5
BUSINESS DEPARTMENT COURSES	11
ENGLISH DEPARTMENT COURSES	14
FAMILY CONSUMER SCIENCE DEPARTMENT COURSES	20
INDUSTRIAL TECHNOLOGY DEPARTMENT COURSES	23
INTERNATIONAL LANGUAGES DEPARTMENT COURSES	24
MATH DEPARTMENT COURSES	28
PHYSICAL EDUCATION DEPARTMENT COURSES	31
SCIENCE DEPARTMENT COURSES	34
SOCIAL SCIENCE DEPARTMENT COURSES	40
VISUAL AND PERFORMING ARTS DEPARTMENT COURSES	45
NON-DEPARTMENTAL DEPARTMENT COURSES	49

## **VISION AND MISSION STATEMENT**



#### **VISION STATEMENT**

The vision of Santa Maria High School is to prepare all students to be lifelong learners who fulfill their potential to meet the challenges of the 21<sup>st</sup> century.

#### **MISSION STATEMENT**

The Santa Maria High School learning community commits to work collaboratively to:

- Provide a safe learning environment
- Develop and uphold high expectations for all students
- Personalize support for student learning
- Engage students in higher order thinking skills such as decision making, problem solving, critique and analysis
- Improve student achievement in reading, writing and mathematics
- Provide opportunities for students to be successful on all assessments

## **Course Description Overview**

After reviewing the student's progress towards graduation and post-secondary education goals, use the course descriptions to assist in selecting courses.

#### **CHART KEY:**

#### **DEPARTMENT COURSE TITLE:**

LENGTH: I One Semester	□ Year (5 Units)
GRADE LEVEL: Ø9 □10	
PREREQUISITE: None	
HOMEWORK: Yes	
*LAB FEE: See Below	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

#### \*LAB FEE:

## Fees may be charged for furnishing materials to a student for items the student has fabricated from such materials for his or her own use. Fees may not exceed cost.

- AHC: These courses have an articulation agreement with Allan Hancock College. 2+2 programs are competency-based, technical-vocational and/or academic curriculum jointly designed by business, secondary and post-secondary institutions, linking the last two years of secondary education with the first two years of post-secondary education, to produce a strong curriculum containing competencies not possible to achieve in only two years.
- **A-G:** These courses fulfill one of the course requirements for the California State University and University of California systems.
- **P:** Signifies a college preparatory course
- **AP:** These courses offer students the opportunity to pursue college-level studies while still in secondary school and to receive advanced placement, credit, or both, in college (weighted grade).
- **H:** These courses offer students the opportunity to pursue college-level studies while still in Secondary school (weighted grade).

#### SANTA MARIA HIGH SCHOOL GRADUATION REQUIREMENTS

SUBJECT AREA	GRADUATION REQUIREMENTS
*English (4 years)	<u>40 Units Total</u> English 4 or other senior English course must be taken in the senior year.
	English Requirement for English Learners: Effective with the Class of 2009, English Learners may earn a maximum of 30 English credits from English Language Development (ELD) and remediation courses. The remaining English credits must be earned from L2 or mainstream English courses.
	Students taking intervention classes may earn a maximum of 20 credits in district approved intervention courses and must earn an additional 20 credits in Regular English classes.
**Math (2 years)	20 Units Total
	**Must include 10 credits of Algebra or 20 credits of 2-year Algebra
	At least one mathematics course, or a combination of the two mathematics
	courses required for completion in grades 9-12, shall meet or exceed state
	academic content standards for Algebra I. Students may satisfy the Algebra I
	course requirement prior to grade 9.
Science (2 years)	20 Units Total
	10 Credits of Physical Science and 10 Credits Biological Science
Social Studies (3 years)	<u>30 Units Total</u>
	10 Credits Modern World History , 10 Credits US History, 5 Credits
Visual and Performing Arts, Foreign	Government and 5 Credits Economics 10 Units Total
Language, or American Sign Language	
(1 year)	
Physical Education	20 Units Total
	No more than five credits may be earned in non-physical education classes and applied toward the 20-unit physical education requirement. Non-physical education courses approved by the site in excess of the five credits will earn elective credit.
Health	<u>5 Units Total</u>
Electives	<u>75 Units Total</u> A maximum of 10 credits of any combination of teacher aide/student clerk may be applied towards completion of graduation requirements.
Total Requirements	220 units

<u>Academic Scholar Diploma Seal</u>. The Board of Education encourages students to take academically challenging courses and to go beyond the minimum local and State graduation requirements. To recognize students who avail themselves of this academically enriched course of study, the Board of Education will bestow the Academic Scholar Diploma Seal to those students enrolled at the comprehensive high schools who have successfully completed the following requirements:

- (1) Achievement of a cumulative grade point average (non weighted) of 3.5 or above from the beginning of the ninth grade year to the end of the first semester and/or second term of their senior year
- (2) Completion of the minimum University of California (A-G) requirements for college admission
- (3) Completion of 230 or more credits

#### \*English Requirement

English Learners may earn a maximum of 30 English units from English Language Development (ELD) and remediation courses. The remaining English units must be earned from a mainstream English courses.

### AGRICULTURAL DEPARTMENT

#### ADV. AGRICULTURAL MECHANICS/ AHC AG 155- AG7027 AG6384 (P) ADVANCED AGRICULTURAL MECHANICS I- AG7023 AG7024 (P) ADVANCED AGRICULTURAL MECHANICS II- AG7025 AG7026

LENGTH:  One Semester  Year (5 units)
GRADE LEVEL: □ 9 □ 10 ☑ 11 ☑ 12
PREREQUISITE: Ag Mechanics or instructor's approval
HOMEWORK: None
LAB FEE: None
REQUIREMENTS FULFILLED: Ø AHC (Adv. Ag Mech 1) Ø A-G 🛛 AP

These courses are designed to prepare students for employment or entrepreneurship in agricultural occupations including farm power, construction, machinery and equipment, welding and other areas. Basic units on electricity, masonry and surveying are included as well as forklift operation. Students work on a variety of equipment and fabrication projects. These classes also prepare students to continue in advanced, post-secondary occupational training in this field.

ADV INT SCIENCE AG- AG2000 AG2001 (H)	
LENGTH: □ One Semester ☑ Year (5 Units)	
GRADE LEVEL: □9 ☑10 ☑11 ☑12	
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: No	
REQUIREMENTS FULFILLED: AHC	

This integrated honors class combines an interdisciplinary approach to laboratory science and research with agricultural management principles. Using skills and principles learned in the course, students design systems and experiments to solve agricultural management issues currently facing the industry.

#### ADVANCED STUDY AGRICULTURE- AG6274

LENGTH: Ø One Semester	Year (5 Units)
GRADE LEVEL: 9 10	☑ 11  ☑ 12
PREREQUISITE: Teacher App	roval
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	

Students enrolled in this course must have a desire to do independent advanced work.

#### AG COMMUNICATION & LEADERSHIP- AG6292 AG6293 (Elective Opt.) (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: 29 210	团11 团12
PREREQUISITE: Teacher appro	val
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

Leadership, communication skills, and work ethics are major contributing factors in today's successful work force. This course is designed to instruct and train students to meet the necessary leadership and communication skills needed for a career in the agriculture industry. This course will provide instruction and meaningful experiences in personal development, career awareness and planning, management, and presentation of FFA leadership activities and Community Service Projects. Students will also be required to compile an individual career plan and portfolio.

#### AG FLORAL DESIGN- AG6102 AG6103 (P) ADV FLORAL DESIGN- AG6104 AG6105 (P)

LENGTH:  One Semester  Vear (5 Units)
GRADE LEVEL: □9 ☑10 ☑11 ☑12
PREREQUISITE: Ag Biology, Algebra
HOMEWORK: Yes
LAB FEE:
REQUIREMENTS FULFILLED: AHC ØA-G AP

Provides an introduction to artistic and creative perception including aesthetic valuing through a series of projects in various media including: plant, pencil, flowers, glass and a variety of papers. Students are also introduced to the elements and principles of visual art design such as line, shape/form, color, balance, and emphasis using a series of floral based projects to explore the connections, relations and application to visual arts design.

#### AG MECHANICS- AG6282 AG6283 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 Ø10	☑11 ☑12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: No	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

Designed to prepare students for employment in agricultural occupations including farm power, construction, machinery and equipment, welding and other areas. It makes the student aware of the great need for an advanced educational background necessary to pursue a career in agriculture repair or general farming. The class is designed to teach basic shop skills. Taking class enables the student to participate in FFA activities.

#### AGRISCI & PHYSICS- AG6200 AG6201 (P)

LENGTH:  One Semester	☑ Year (5 Units)
GRADE LEVEL: Ø9 Ø10	☑11 ☑12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: No	
<b>REQUIREMENTS FULFILLED:</b>	🗆 AHC 🗹 A-G 🗆 AP

Agriscience & Physics is a collaborative standards-based laboratory science that fulfills the physical science requirement focusing on college and career readiness. This course gives students a foundation in physics with related earth science and agriculture phenomena in addition to the Science and Engineering Practices. The following units will be covered in this course; Motion, Force, Gravity, Waves, Light Waves, Electricity & Magnetism, Energy & Renewable Energy, and Nuclear Physics & the Earth. This course also provides an opportunity and expectation for students' participation in the National FFA organization including FFA participation and a Supervised Agriculture Experience Project.

#### AGRICULTURE WELDING I- AG6264 AG6265 AHC WELDING 106- AG6389

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 Ø10	☑ 11 ☑ 12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: Yes	
<b>REQUIREMENTS FULFILLED:</b>	☑ AHC (Welding 106)  □ A-G  □ AP

A course in theory, practice and application of various metal joining processes, including oxy-fuel welding, brazing, flame cutting, electric are processes and an introduction to welding. The student will develop competencies in shop and tool safety. Math skills are also developed. Woodworking, rope work, plumbing, electrical and tool sharpening are also covered. Part II and III will be more extensive and are suited for students ready to do independent work.

#### AHC AG ECON 158- AG5158

LENGTH: One Semester	✓ Year (5 Units)
GRADE LEVEL:  9 10	□ 11 ☑ 12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: Yes	
<b>REQUIREMENTS FULFILLED:</b>	🗹 AHC 🗆 A-G 🛛 AP

The place of agriculture and farming in the economic system; basic economic concepts and problems of agriculture; pricing and marketing problems, factors of production; and state and federal farm programs affecting the farmer's economic position.

#### AMERICAN GOVERNMENT AG- AG4004 (P)

LENGTH: Ø One Semester	Year (5 Units)
GRADE LEVEL: 09 010	□11 ☑12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: No	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC Ø A-G □ AP

Students will pursue a deeper understanding of the institutions of American Government in addition to the underlying economic principles that shape policies throughout the agriculture industry. They will complete an in-depth study of the system of government in the world today and analyze the life and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive and judiciary branches of government.

#### ANIMAL SCIENCE- AG6278 AG6400 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: 09 010	図11 図12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: No	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

Animal nutrition, physiology, and reproduction will be studied with attention to proper care of animals. Animal health practices and management techniques will be included.

#### BIOLOGY & SUSTAINABLE AG- AG6298 AG6299 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: ☑9 ☑10	☑11 ☑12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: No	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

This course integrates biological science practices and knowledge into the practice of sustainable agriculture. Life science principles will be identified with agricultural principles and practices guiding the acquisition of this knowledge, culminating in the development of sustainable farm model and portfolio of supporting student research.

#### CHEMISTRY & AGRI-SCIENCE- AG6300 AG6301 (P)

LENGTH:  ☐ One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 Ø10	☑ 11 ☑ 12
PREREQUISITE:	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

Course explores the physical & chemical nature of soil as well as the relationships between soil, plants, animals & agricultural practices. Students examine properties of soil & land & their connections to plan & animal production.

#### ORNAMENTAL HORTICULTURE/ AHC AG 156 - AG7050 AG7051 (P) ADV ORNAMENTAL HORTICULTURE (ROP) - AG7054 AG7055 (P)

LENGTH: One Semester	□Ø Year (5 Units)
GRADE LEVEL:  9 10	☑ 11   ☑12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED:	☑ AHC (Orn Hort) ☑ A-G □ AP

Students learn entry-level skills in ornamental and production plant growing and tending. Floral design, green house structures are topics taught. Instruction includes plant propagation, soil mixtures and sterilization, irrigation, potting and canning, fertilizers, hydroponics, floral design, pesticides, disease/pest management, greenhouse structures and operations, plant identification, tools and materials, basic landscaping, computer, and business management. Advanced Ornamental Horticulture has students with additional responsibilities to Ornamental Horticulture. Responsibilities include business management and ordering

#### SURVEY OF AGRICULTURE- AG6382

LENGTH: Ø One Semester 🛛 Year (5 Units)	
GRADE LEVEL: ☑9 □10 □11 □12	
PREREQUISITE: Basic Ag Mechanics (Recommended) Strong Math Skills	
HOMEWORK: Yes	
LAB FEE:	
REQUIREMENTS FULFILLED: AHC A-G AP	

For students who show an interest in agriculture mechanics and surveying. Career opportunities and planning will be provided and the student will have the opportunity to decide if abilities, attitude and general interest is great enough to seek out further education in the area of engineering.

#### VETERINARY MEDICINE- AG6296 AG6297 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL:  9 10	团 11 团 12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	🗆 AHC 🔟 A-G 🔲 AP

Upon completion of this course, students will be academically and technologically proficient, having a basic understanding of veterinary science methods. Students will be able to apply critical thinking and decision-making skills, analyze, synthesize and evaluate veterinary science information.

## **BUSINESS DEPARTMENT**

#### ACCOUNTING/FINANCE- BU7035 BU7035

LENGTH: Ø One Semester	
GRADE LEVEL: □9 □10 ☑ 11 ☑ 12	- 500
PREREQUISITE: None	
HOMEWORK: None	
LAB FEE: None	
REQUIREMENTS FULFILLED: AHC	

Upon completion of Accounting and Finance students will understand the role accountants play in business and society. Students will develop and understand the working knowledge of an annual report, financial statements and be able to analyze and interpret financial statements information and make informed financial decisions. With the use of technology innovation tools students engage in a course of 21 Century study which connects students to the world of work.

#### AHC BUSINESS 101 (INTRO TO BUSINESS)- BU5002 BU5003

LENGTH: Ø One Semester	Year (5 Units)
GRADE LEVEL: □9 Ø10	☑ 11 ☑ 12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	☑ AHC □ A-G □ AP

A survey in business providing a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices with the U.S. and a global society. Demonstrates how these influences impact the primary areas of business including: organizational structure and design, leadership, human resource management, organized labor practices, marketing, financial practices, the stock and securities market, and therefore affect a business' ability to achieve its organizational goals.

#### INTEGRATED MARKETING (ELECTIVE)- BU6200 BU6201 (P) INTEGRATED MARKETING (SR. ENG OPT)- BU7006 BU7007 (P)

LENGTH:  One Semester  Vear (5 Units)
GRADE LEVEL: □9 ☑10 ☑ 11 ☑ 12
PREREQUISITE: recommended by counselor/teacher
HOMEWORK:
LAB FEE: None
REQUIREMENTS FULFILLED: 🗆 AHC 🗹 A-G 🗆 AP

Designed to train students in sales, marketing, and merchandising techniques. Marketing is a comprehensive course designed to provide the student with the knowledge and skills to enter and succeed in the world of the marketer. Economic and marketing concepts, such as database management, advanced communications strategies, decision-making for the market place, and resource allocation and product distribution are emphasized.

#### PERSONAL FINANCE- BU3003 BU3004

LENGTH: Ø One Semester	Year (5 Units)
GRADE LEVEL:   9  10	☑ 11 ☑ 12
PREREQUISITE: None	
HOMEWORK: None	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	

Personal Finance is designed to help students gain essential knowledge and skills to make informed decisions about real work financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the student make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success. This course will cover the following topics: Checking, Saving, Types of Credit, Managing Credit, Paying for College, Budgeting, Investing, Financial Pitfalls, Career, Taxes, Insurance, Behavioral Finance, Mini Units and Bonus Lessons.

#### PROD 301 (INTRO TO LIFE & CAREER)- BU5010 BU5011

LENGTH: One Semester	✓ Year (5 Units)
GRADE LEVEL: ☑9 □10	
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	🗹 AHC 🗆 A-G 🗆 AP

Introduces students to a decision-making process that will help them envision and plan for a future career that is productive, achievable, and stimulating.

#### PROFESSIONAL BUSINESS COMMUNICATION- BU7004 BU7005 (Elec. Opt) (P) PROFESSIONAL BUSINESS COMMUNICATION- BU7006 BU7007 (Sr. Elec. Opt.) (P)

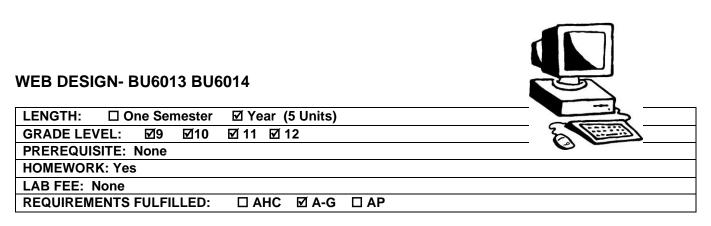
LENGTH:  One Semester  Vear (5 Units)
GRADE LEVEL: □9 □10 ☑ 11 ☑ 12
PREREQUISITE: recommended by counselor/teacher
HOMEWORK: Yes
LAB FEE: None
REQUIREMENTS FULFILLED: 🗹 AHC 🖾 A-G 🗆 AP

Advanced office skills & composing letters, job applications, newsletters and workplace documents including cloud computing. *Counts* for *4*<sup>th</sup> year of H.S. English for seniors or A-G \*

#### SURVEY OF BUSINESS AND FINANCE- BU6036

LENGTH: Ø One Semester	Year (5 Units)
GRADE LEVEL: Ø9 □10	
PREREQUISITE: None	
HOMEWORK: None	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	

The course designed to introduce students to business principles and practices. An introduction to keyboarding, word processing, spreadsheet application, presentation delivery, desktop publishing software programs and media skills. Units include personal budgeting, business document formatting, career exploration, goal setting, Internet searching, styles of learning including aptitude and interest inventories



Students will learn basic computer concepts and skills, programming techniques and web page design using HTML and JavaScript and advanced Internet technologies. A general education course dealing with how computers work, how they are used and their effects on society. Students will work in a classroom/computer lab setting.

#### WRITING GAMES FOR SOCIAL CHANGE- BU6000 BU6001

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: 29 210	☑ 11  ☑ 12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	🗆 AHC 🗹 A-G 🗆 AP

Students engage in close reading of complex texts and technical documents to analyze and synthesize the design and development of games and simulations. This course provides a rigorous pathway for students to learn relevant technical knowledge and skills that prepare them for further education and career opportunities in the field of information and communication technologies.

### ENGLISH DEPARTMENT

#### 9<sup>TH</sup> GRADE

#### ENGLISH 1 - EN1011 EN1012 (P)

LENGTH: One Semester	✓ Year (5 Units)
GRADE LEVEL: Ø9 □10	
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED:	

Designed to provide students of all ability levels with an introduction to literature and the writing process through an integrated approach. Course will prepare students for the course that follows.

ENGLISH 1 HONORS- EN1015 EN1016 (P)	
LENGTH:  One Semester  Vear (5 Units)	
GRADE LEVEL: ☑9 □10 □ 11 □ 12	
PREREQUISITE: Counselor/Teacher recommendation	
HOMEWORK: Extensive	
LAB FEE: None	

□ AHC ☑ A-G □ AP

Designed for honors English students. This course is designed to provide selected students with a qualitatively different and varied curriculum, which challenges and enriches their individual potential while maintaining the requirements of the basic course outline.

#### ENGLISH SKILLS- EN6734 EN6735

**REQUIREMENTS FULFILLED:** 

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: Ø9 □10	
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	

The goal of this course is to help students improve their reading and comprehension abilities. This will empower students to be a more critical reader and thinker. This is done by focusing on the individual needs of each student. This is achieved through diagnosis of specific deficits and equipping them with reading and comprehension skills that enable them to progress towards meeting grade level standards.

#### 10<sup>th</sup> GRADE

#### ENGLISH 2- EN2013 EN2014 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 Ø10	
PREREQUISITE:	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC  ☑ A-G  □ AP

This course for English language learners will meet CA English Language Arts Standards for the 10<sup>th</sup> grade to include reading, writing, and communication skills.

#### 

ENGLISH 2- HONORS- EN2019 EN2020 (P)	
LENGTH:  One Semester  Vear (5 Units)	
GRADE LEVEL: □9 ☑10 □ 11 □ 12	
PREREQUISITE: English 1, Counselor/Teacher Recommendation	
HOMEWORK: Extensive	
LAB FEE: No	
REQUIREMENTS FULFILLED: AHC	

Course will meet CA English Language Arts Standards for the 10th grade to include reading, wirting, and communication skills. It is significantly more rigorous and covers more material in greater depth than English 2P. This course is intended to serve as pre-AP to prepare students for AP courses.

#### 11<sup>th</sup> GRADE

#### ENGLISH 3- EN3011 EN3012 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL:  9 10	☑ 11 □ 12
PREREQUISITE:	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC Ø A-G □ AP

Designed to complement the curriculum of US History. Students will read and write accessing themes which include individualism, the American Dream, social issues, as well as personal and human values. Will focus on using analytical and evaluative thinking.

#### AP ENGLISH 3 (LANGUAGE & COMP)- EN3017 EN3018 (P)

LENGTH:  One Semester  Vear (5 Units)
GRADE LEVEL: □9 □10 ☑ 11 □ 12
PREREQUISITE: English 1 and 2, English 2 Honors and ELA CST of 4 or 5 strongly recommended
HOMEWORK: Extensive homework and summer work required
LAB FEE: None
REQUIREMENTS FULFILLED: 🗆 AHC 🗹 A-G 🗹 AP

Course will meet CA English Language Arts Standards for the 11<sup>th</sup> grade to include reading, writing, and communication skills. It is a significantly rigorous course that prepares students for the AP Exam and non-remedial college courses.

#### CSU EXPOSITORY READING & WRITING- EN3100 EN3101 (P)

LENGTH:  ☐ One Semester	✓ Year (5 Units)
GRADE LEVEL: 09 010	☑ 11 □ 12
PREREQUISITE:	
HOMEWORK: Extensive homev	vork and summer work required
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	🗆 AHC 🗹 A-G 🗆 AP

11<sup>th</sup> grade ERWC engages students in the discovery of who they are as persons, the realization of the ways in which they can participate in society, and their developments as critical consumers and effective communicators within society. Students will meet rigorous, college prep learning goals in reading, writing, listening, and speaking for all students while promoting student interest and motivation.

#### 12<sup>th</sup> GRADE

#### ENGLISH 4- EN4024 EN4025 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL:  9 10	□ 11  ☑ 12
PREREQUISITE:	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	🗆 AHC 🗹 A-G 🗆 AP

College prep course designed on the focus European and British Literature and the writing process through an integrated approach. Course will meet CA English Language Arts Standards for the 12<sup>th</sup> grade to include reading, writing, and communication skills.

#### CSU EXPOSITORY READING & WRITING- EN4030 EN4031 (P)

LENGTH:  ☐ One Semester	☑ Year (5 Units)
GRADE LEVEL:  9 10	□ 11  ☑ 12
PREREQUISITE:	
HOMEWORK: Extensive homew	vork and summer work required
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

12<sup>th</sup> grade ERWC engages students in the discovery of who they are as persons, the realization of the ways in which they can participate in society, and their developments as critical consumers and effective communicators within society. Students will meet rigorous, college prep learning goals in reading, writing, listening, and speaking for all students while promoting student interest and motivation.

#### AP ENGLISH 4 (LITERATURE)- EN4026 EN4027 (P)

LENGTH:	☑ Year (5 Units)
GRADE LEVEL:  9 10	□ 11 ☑ 12
PREREQUISITE:	
HOMEWORK: Extensive homew	vork and summer work required
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	🗆 AHC 🗹 A-G 🗹 AP

Course will meet CA English Language Arts Standards for the 12<sup>th</sup> grade to include reading, writing, and communication skills. It is a significantly rigorous course that prepares students for the AP Exam and non-remedial college courses.

#### MEXICAN AMERICAN/LATINO LITERATURE- EN4038 EN4039 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL:  9 10	□ 11 ☑ 12
PREREQUISITE:	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

This course surveys the history, identity, and oral traditions of Mexican American and other Latina/o cultures through the lens of literature. It is a representative overview of Mexican American and Latina/o literature covering poetry, drama, novels, short stories, critical essays and other non-fiction texts. The course will include literary techniques, modes of expression, trends in Mexican American and Latina/o creativity, and will expose students to the richness and diversity that Mexican American and other Latina/o cultures have to offer.

#### ENGLISH LANGUAGE DEVELOPMENT COURSES

#### INTRO TO ELD- EN6420 EN6421 INTRO TO ELD (LAB)- EN6430 EN6431



LENGTH: 
One Semester 
Year (5 Units)

GRADE LEVEL: ☑ 9 ☑10 ☑11 ☑ 12

PREREQUISITE: English Learners only

HOMEWORK: Yes

This course is to help beginning English learners learn the fundamentals of English to communicate with others in and outside of school. This class will help you speak English! This course is the first in a series of designated English Language Development (ELD) courses and will also help to develop skills that will be essential in future English Language Arts courses.

#### INTERMEDIATE ELD- EN6422 EN6431 INTERMEDIATE ELD (LAB) - EN6432 EN6433

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: Ø 9 Ø10	☑11  ☑ 12
PREREQUISITE: English Lear	ners only
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED:	

The overall goal of this course is to continue developing the fundamentals of English and to introduce more advanced skills in reading, writing, speaking, and listening. This course is the second in a series of designated English Language Development (ELD) courses and will build on skills from the Introduction to ELD course, targeting skills that will be essential in future English Language Arts courses.

#### ACCELERATED ELD (LAB) - EN6428 EN6429

LENGTH:   One Semester	☑ Year (5 Units)
GRADE LEVEL: ☑ 9 ☑10	☑11 ☑ 12
PREREQUISITE: English Lear	ners only
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	

The overall goal of this course is to continue developing the fundamentals of English and to practice more advanced skills in reading, writing, speaking, and listening, with an emphasis on reading. Additionally, the course will familiarize students with the terminology and strategies associated with the English Language Proficiency Assessment for California (ELPAC). The targeted skills will be essential for student success, not only in their English Language Arts courses, but also in passing the ELPAC. Passing this assessment with an overall score of 4 will allow the student to be considered for redesignation to English Fluent. To achieve this goal, students will interact with narrative, expository, and rhetorical texts in various ways, in order to demonstrate mastery of the English language. Students will be enrolled in English 1 concurrently.

#### ADVANCED ELD LAB 1 (9<sup>th</sup>)- EN6434 EN6435 ADVANCED ELD LAB 2 (10<sup>th</sup>)- EN6436 EN6437 ADVANCED ELD LAB 3 (11<sup>th</sup>)- EN6438 EN6439 ADVANCED ELD LAB 4 (12<sup>th</sup>)- EN6440 EN6441

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: Ø 9 Ø10	☑11 ☑ 12
PREREQUISITE: English Lear	ners only
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	

The overall goal of this course is to continue developing the fundamentals of English and to practice more advanced skills in reading, writing, speaking, and listening, with an emphasis on reading. Additionally, the course will familiarize students with the terminology and strategies associated with the English Language Proficiency Assessment for California (ELPAC). The targeted skills will be essential for student success, not only in their English Language Arts courses, but also in passing the ELPAC. Passing this assessment with an overall score of 4 will allow the student to be considered for redesignation to English Fluent. To achieve this goal, students will interact with narrative, expository, and rhetorical texts in various ways, in order to demonstrate mastery of the English language. Students will be enrolled in English 1 concurrently.

#### **ELECTIVE ENGLISH COURSES**

#### JOURNALISM I- EN6127 EN6128 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: Ø9 Ø10	☑ 11 ☑12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

Students will develop knowledge and skills in writing news, editorials, sports, advertising and feature writing. Students edit copy, use computers to prepare articles for publication and develop confidence, creative techniques and learn to organize time to meet monthly deadlines. Suggested: students are encouraged to enroll in Journalism 2, newspaper production, in order to follow articles from inception to publication.

ØYear (5 Units)

☑ 11 ☑12

#### JOURNALISM II- EN6129 EN6130 (P)

□ One Semester

**☑10** 

□9

PREREQUISITE: Journalism I

REQUIREMENTS FULFILLED:

LENGTH:

GRADE LEVEL:

HOMEWORK: Yes LAB FEE: None

	-		
	PRESS	2	
_		_	_

Designed to help students develop knowledge and skills in organizing a staff for the production of a monthly newspaper. Students will assign and write articles, organize layout, headline and edit work submitted for the SMHS paper. Students will also make public contacts for the purpose of securing advertising.

🗹 A-G

## FAMILY CONSUMER SCIENCE (HOME ECONOMICS) DEPARTMENT

APPAREL/CONTRUCTION & DESIGN- HE6207 HE6208 (P)	
LENGTH:   One Semester  Vear (5 Units)	
GRADE LEVEL: ☑9 ☑10 ☑11 ☑12	
PREREQUISITE: None	) Jud R
HOMEWORK: Yes	U V
LAB FEE: students to supply materials as needed	
REQUIREMENTS FULFILLED: AHC	

This year long course focuses instruction on simple garment construction, appropriate uses of fabric, basic use of sewing machine, and other clothing construction tools. Students will use educational materials, which relate to the various areas of clothing construction. For students who express interest in learning how to sew.

CHILD DEVELOPMENT- HE6242 HE6243	
LENGTH:  One Semester  Vear (5 Units)	
GRADE LEVEL: □9 □10 ☑11 ☑12	
PREREQUISITE: None	
HOMEWORK: As needed	
LAB FEE: None	
REQUIREMENTS FULFILLED: AHC A-G AP	

The course focuses on skills needed to guide physical, emotional, and social development of children.

#### CULINARY ARTS I - HE6211 HE6212 (P)

LENGTH:  ☐ One Semester	☑ Year (5 Units)
GRADE LEVEL: Ø9 Ø10	☑ 11 ☑ 12
PREREQUISITE: None	
HOMEWORK: As Needed	
LAB FEE: Yes	
<b>REQUIREMENTS FULFILLED:</b>	🗆 AHC 🗹 A-G 🗆 AP

The course will emphasize the buying and storing of foods, as well as advanced food preparation techniques and food preservation. Emphasis on nutrition, management techniques and consumer selection.

#### CULINARY ARTS II- HE6570 HE 6571 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 Ø10	☑ 11 ☑12
PREREQUISITE: Foods and Nu	trition A/B with a "C" grade or better or instructor's approval
HOMEWORK: As needed	
LAB FEE: Yes	
<b>REQUIREMENTS FULFILLED:</b>	🗆 AHC 🗹 A-G 🗆 AP

The course will provide students opportunities for service learning experiences such as job shadowing, student internships, and operating a student-run business; thus, enabling them to transition from school to career. Students will study all aspects of the industry, including safety regulations and safe food handling; nutrition, the newest technology in food preparation and service; customer relations; entrepreneurship; cost and profitability analysis; employment and management skills.

#### FASHION DESIGN- HE2020 HE2021 (Elec. Opt.) FASHION DESIGN- HE4001 HE4002 (Sr. Eng. Opt.)

LENGTH: One Semester	☑ Year (5 Units)	
GRADE LEVEL: □9 Ø10	☑11 ☑12	
PREREQUISITE: None		
HOMEWORK: Yes		
LAB FEE: Materials may need to be provided by student		
<b>REQUIREMENTS FULFILLED:</b>		

Designed to provide instruction in garment construction involving fundamental sewing principles/techniques. Students will become acquainted with use of sewing machine and the equipment.

#### **RELATIONSHIP & FAMILY HEALTH- HE6248 HE6249**

LENGTH: One Semester	☑ Year (5 Units)	
GRADE LEVEL: ☑9 ☑10	团11 团12	
PREREQUISITE: None		
HOMEWORK: Yes		
LAB FEE: Materials may need to be provided by student		
<b>REQUIREMENTS FULFILLED:</b>		

Course will provide students with knowledge for preparation for relationships, marriage, family roles and responsibilities and relationship/marriage adjustments while becoming skillful in making decisions related to family living, as well as beginning family needs, which include money management, being a wise consumer and being able to promote and maintain individual and family health and safety.

#### SURVEY OF FAMILY CONSUMER SCIENCE- HE6581

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: ☑9 □10	
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: Materials may need to be provided by student	
<b>REQUIREMENTS FULFILLED:</b>	

This course helps develop a basic understanding of clothing and textiles, creative arts, foods and nutrition, child development, interior design, and career exploration.

## INDUSTRIAL TECHNOLOGY DEPARTMENT

#### AUTO FUNDAMENTALS- IT6636 IT6637

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 Ø10	团11 团12
PREREQUISITE: None, but Sm	all Gas Engines course is recommended
HOMEWORK: As needed	
LAB FEE:	
<b>REQUIREMENTS FULFILLED:</b>	

This course covers the entire modern automobile. Subjects covered include engines, engine systems, brakes, tires, suspensions, steering, transmissions, electrical systems, and air conditioning. Emphasis is placed on shop safety, tools, proper use of equipment and procedures.

#### ADVANCED AUTO MECHANICS- IT7005 IT7006

LENGTH:  One Semester  Vear (5 Units)	
GRADE LEVEL: □9 □10 ☑11 ☑12	
PREREQUISITE:	
HOMEWORK:	
LAB FEE:	
REQUIREMENTS FULFILLED: AHC A-G AP	

This course is a continuation of Auto Fundamentals. This course is for students who have shown a desire to do independent, advanced work

#### FOUNDATIONS OF TECHNOLOGY & ENGINEERING- IT7050 IT7051 (P)

LENGTH:	☑ Year (5 Units)
GRADE LEVEL: Ø9 Ø10	
PREREQUISITE:	
HOMEWORK:	
LAB FEE:	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

This course is designed to prepare students for entry level employment as a draftsperson/manufacturer or to continue with advanced training at the community college and college level. Areas of instruction include introduction of advanced drafting skills and computer knowledge/mechanics of CAD.

#### ADVANCED TECHNOLOGY & ENGINEERING- IT7052 IT7053 (P)

LENGTH:  One Semester	☑ Year (5 Units)
GRADE LEVEL: 09 010	図11 図12
PREREQUISITE:	
HOMEWORK:	
LAB FEE:	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

This course builds on the knowledge learned in Foundations of Technology & Engineer

## INTERNATIONAL LANGUAGES DEPARTMENT

#### FRENCH I- IL6182 IL6183 (P)

LENGTH:  ☐ One Semester	☑ Year (5 Units)
GRADE LEVEL: Ø9 Ø10	☑11 ☑12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

This course is designed to introduce the student to basic communication skills in French. Students will communicate about their own activities, friends, and family. All skills for language development will be stressed: reading, writing, listening, and speaking. Students will also begin to learn about French culture and history. Individual and group work is required, and students will be expected to participate in producing short dialogues in French.

#### AHC FRENCH 101- IL6204 IL6205 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 ☑10	团11 团12
PREREQUISITE: French I	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	⊠ AHC ☑ A-G □ AP

This is an Allan Hancock Concurrent Enrollment Class. You will receive acceptable credit to UCs and CSUs upon completion and by maintaining a grade of C or above.

This course is an introduction to the French language, presenting students with the basic skills for vocabulary and grammar recognition and use, as well as stressing pronunciation, oral skills, reading, and writing at the elementary level. Using a communicative style, students practice French grammar and vocabulary, sentence structure, and oral skills [listening and speaking]. This course also includes an introduction to cultural aspects of the French-speaking world.

#### AHC FRENCH 102- IL6202 IL6203 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL:  9 10	☑ 11 ☑12
PREREQUISITE: French 101	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	☑ AHC ☑ A-G □ AP

This is an Allan Hancock Concurrent Enrollment Class. You will receive acceptable credit to UCs and CSUs upon completion and by maintaining a grade of C or above.

This course is a continuation of FRCH 101, presenting students with the basic skills for vocabulary and grammar recognition and use, as well as stressing pronunciation, oral skills, reading, and writing at the elementary level. Using a communicative style, students practice French grammar, sentence structure, vocabulary, and oral skills [listening and speaking]. This course also includes cultural aspects of the French-speaking world.

#### FRENCH IV- IL6188 IL6189 (P)

LENGTH: One Semester	⊠Year (5 Units)
GRADE LEVEL: 09 010	□ 11 ☑12
PREREQUISITE: French III	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC Ø A-G □ AP

Students are expected to demonstrate increased flexibility and creativity with the French language. There will be a great deal more individual work. Students are expected to be able to read, write, and comprehend authentic works on their own. Preparation for discussion in class will be expected. Students at this level will have more exposure to French literature, history, art, and culture.

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#### SPANISH I- IL6160 IL6161 (P)

	in 1990 (1990) (19900) (19900) (1990) (1990) (1990) (1990) (1990) (1990)
LENGTH:  One Semester  Vear (5 Units)	
GRADE LEVEL: Ø9 Ø10 Ø11 Ø12	
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED: AHC	

Students in this course will learn how to communicate about themselves, their family, their friends, and their interests. Students will be exposed to information about various Spanish-speaking cultures. Students work individually, in partnerships, and in groups to produce simple dialogues. Students are expected to gradually improve their skills so that they can respond in Spanish only.

#### SPANISH II- IL6162 IL6163 (P)

LENGTH: One Semester	☑Year (5 Units)
GRADE LEVEL: □9 ☑10	図11 図12
PREREQUISITE: Spanish I	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

Continues/advances skills started in the first year course. Gaining appreciation and respect for Spanish- speaking people/nations; improved understanding, speaking, reading and writing of the Spanish language emphasizing a communicative approach.Continued development of pronunciation, intonation and rhythm; listening comprehension; spelling, asking/answering questions in both written and oral modes; vocabulary; grammatical concepts.

#### SPANISH III- IL6164 IL6165 (P)

LENGTH:  One Semester  Vear (5 Units)
GRADE LEVEL: ☑9 ☑10 ☑ 11 ☑12
PREREQUISITE: Spanish II
HOMEWORK: Yes
LAB FEE: None
REQUIREMENTS FULFILLED: AHC

Students will continue to practice exchanging personal information and responding to a variety of situations. Confident dialogue concerning past, present, or future circumstances will be expected. The greatest challenge this year will be learning how to express their hopes, wishes, expectations for, and emotional responses to, other people in the target language. The students will sample short works of literature.

#### SPANISH IV- IL6166 IL6167 (P)

LENGTH:	☑ Year (5 Units)
GRADE LEVEL: □9 ☑10	☑11 ☑12
PREREQUISITE: Spanish III	
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED:	🗆 AHC 🗹 A-G 🗆 AP

Students are expected to demonstrate increased flexibility and creativity with the language. The students will receive instruction using the following strategies: communication based instruction, literature-based instruction, textbook-based reading and practice activities, and individual and group projects. Students will practice listening, reading, speaking, and writing skills. Students will gain an understanding of, and an appreciation of, Hispanic culture from a variety of perspectives. Special emphasis will be placed on understanding, and responding to, current events.

#### SPANISH FOR SPAN. SPEAKERS I- IL6174 IL6175 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: 29 210	☑11 ☑12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

Designed for students who are fluent in spoken, informal Spanish And who need to improve their writing, reading, and grammar skills. Emphasis is on the mastery of formal, academic language skills in Spanish. Student communication will include interpersonal, interpretive, and presentational modes. The course includes the study of the fundamentals of grammar, writing, and the geography, history, and culture of Spain and the Americas. This course is conducted entirely in Spanish.

#### SPANISH FOR SPAN. SPEAKERS II- IL6176 IL6177 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: Ø9 Ø10	☑11 ☑12
PREREQUISITE: Spanish for Sp	anish Speakers 1 or teacher recommendation
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED:	□ AHC ☑ A-G □ AP

College prep course designed for students who have fluency in the Spanish language and have completed Spanish for Spanish Speaking I or received permission from the instructor. To improve the Spanish speaking, reading and writing skills of Spanish speaking students.

#### AP SPANISH LANGUAGE AND CULTURE- IL6170 IL6171 (P)

LENGTH:  One Semester	✓ Year (5 Units)	
GRADE LEVEL:  9 10	□ 11 □ 12	
PREREQUISITE: Teacher recor	nmendation	
HOMEWORK: Extensive		
LAB FEE: None		
<b>REQUIREMENTS FULFILLED:</b>	AHC 🗹 A-G	☑ AP

Designed for advanced language students who wish to meet college requirements for credit through the AP program and examination. The class is open to "standard" students (those who have studied Spanish only in school) and "nonstandard" students (those who have studied Spanish abroad or who have learned at home). Purpose is to prepare students to take the Spanish Language and Culture Advanced Placement exam. Successful completion of this examination will qualify students to receive college credit.

#### AP SPANISH LITERATURE AND CULTURE- IL6172 IL6173 (P)

LENGTH:  One Semester  Vear (5 Units)
GRADE LEVEL: □9 □10 ☑ 11 ☑12
PREREQUISITE: AP Spanish Language and Culture or teacher recommendation
HOMEWORK: Yes
LAB FEE: None
REQUIREMENTS FULFILLED: 🗆 AHC 🖾 A-G 🖾 AP

Designed for juniors and seniors (others with permission from instructor) that meet the foreign language admission requirements for the CSU and UC university system. Purpose is to prepare students to take the Spanish Literature Advanced Placement exam. Successful completion of this examination will qualify students to receive college credit for comparable college.

## **MATHEMATICS DEPARTMENT**

#### 2 YEAR ALGEBRA I A/B- MA6050 MA6051

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL:  9 10	☑11 ☑12
PREREQUISITE:	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	

This course is intended for students who have failed Algebra I or Algebra I Interactive. The topics covered include positive and negative numbers, simplifying expressions, area and perimeter, graphing linear and quadratic equations, solving first degree equations and inequalities including word problems, formulas, ratio and proportion, fractions, probability, systems of equations, and percents. This course covers one half of the Algebra 1 curriculum. Upon completion of both 2-Year Algebra A/B and 2-Year Algebra C/D, students will fulfill the Algebra 1 requirement for graduation.



#### 2 YEAR ALGEBRA I C/D- MA6052 MA6053 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL:  9 10	図11 図 12
PREREQUISITE: Test scores or	teacher recommendation
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

This course is the continuation of a 2-Year study of Algebra 1. Topics include: factoring polynomials, solving quadratic equations, the quadratic formula, systems of equations, graphing linear and quadratic functions. Successful completion of this course satisfies the math graduation requirement.

#### ALGEBRA I- MA6060 MA6061 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: Ø9 Ø10	☑11 ☑12
PREREQUISITE:	
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED:	□ AHC ☑ A-G □ AP

This course is intended for students with a strong background in pre-algebra concepts. Topics covered include set theory, operations with integers as well as rational and irrational numbers, graphing, factoring, relations and functions, and solving first and second degree equations/inequalities in one or two variables. This class fulfills the Algebra 1 requirement for graduation.

#### ALGEBRA ACADEMY- MA0017

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: Ø9 □10	
PREREQUISITE:	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	

Course that focuses on 9<sup>th</sup> graders who have completed pre-algebra but were not recommended for Algebra I as a freshman. The objective is to prepare these students for entrance in Algebra in 9<sup>th</sup> grade.

#### **GEOMETRY- MA6072 MA6073 (P)**

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: ☑9 ☑10	Ø11 Ø12
PREREQUISITE: Algebra 1B or	teacher's recommendation
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

This course is intended for students who have successfully completed Algebra 1 or its equivalent. The topics covered include area of polygons, Pythagorean Theorem, logical arguments, proofs, properties of angles, linear and quadratic inequalities, spatial visualization, surface area, volume, circles, and right triangle trigonometry. Students will apply many of the mentioned concepts to real-world application problems throughout this course.

#### ALGEBRA II- MA6068 MA6069 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 ☑10	☑11 ☑12
PREREQUISITE: Geometry B of	r Statistics B or teacher's recommendation.
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ØA-G □ AP

This is a two-semester course designed to solidify the basics of Algebra and Trigonometry as well as introduce the students to some new topics. They also will develop their deductive reasoning and problem solving skills. The topics covered include: linear equations, polynomials, factoring, rational expressions, complex numbers, quadratic equations, functions, matrices, logarithms, sequences, and series.

#### MATH ANALYSIS- MA6552 MA6553 (P)

LENGTH:  One Semester  Vear (5 Units)
GRADE LEVEL: □9 ☑10 ☑11 ☑12
PREREQUISITE: Algebra 2 B or teacher's recommendation.
HOMEWORK: Yes
LAB FEE: None
REQUIREMENTS FULFILLED: 🗆 AHC 🗹 A-G 🗆 AP

This course is designed as a preparatory course for Calculus covering topics such as sequences and series, limit concepts, the algebra of vectors, plane analytic geometry with trigonometry and relations and functions, conic sections, systems of equations, exponential and logarithmic functions, sequences and series, trigonometry, circular functions and graphs, as well as many others.

#### AP CALCULUS- MA6550 MA6551 (P)

LENGTH:  One Semester  Vear (5 Units)	entransis independent de la construcción de la cons
	integral Sope mathémica Sope mathémi
PREREQUISITE: Math Analysis B or teacher's recommendation.	
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED: AHC	

This course is designed to prepare the student for the Calculus Advanced Placement AB Exam. Topics include: functions, graphs, limits and continuity; the concept of the derivative and its applications; introduction of integration, the fundamental theorem of calculus, area and volume, length of a curve and direction fields. This course represents two-thirds of a full-year college-level Calculus sequence.

#### AP STATISTICS- MA6082 MA6083 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL:   9 10	☑11 ☑12
PREREQUISITE: Algebra 2B M	lath Analysis B, or teacher's recommendation.
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	🗆 AHC 🗹 A-G 🗹 AP

The purpose of Advanced Placement Statistics is to provide the student with a clear understanding of statistical techniques and to be able to apply those techniques to real life situations. This course is designed to prepare the student to take the Statistics Advanced Placement Exam. This class is intended for students planning to pursue college degrees in any area. Topics include data collection and analysis, distribution, probability, statistical inference, and related applications.

## PHYSICAL EDUCATION DEPARTMENT

#### P.E COURSE I- PE1032 PE1033

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LENGTH:  One Semester  Vear (5 Units)	/
GRADE LEVEL: ☑9 □10 □ 11 □ 12	
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: Uniform requirements	
REQUIREMENTS FULFILLED:	*

The purpose of this course is to introduce 9th graders to a sampling of dual and individual activities. It is the goal of the P.E. Department to get students excited about physical activity as a healthy means to relieving the stresses of everyday life. We hope that the students will chose to continue their investment in themselves by maintaining the fitness goals developed during their 9 PE course. Social interaction at this grade level is paramount and through an introduction of a variety of activities the department hopes to foster an environment that promotes the creation of new relationships within each co-educational class.

Course 1 activities will include: Aquatics (principles of buoyancy, basic swim strokes, and general water safety), Rhythm/Dance (Folk, Country line dance, Hip Hop and Free-style), and Physical Fitness/Health related Topics (development of personalized fitness plans, research occupational fitness requirements as well as consumer products and programs available within their community). Additional individual and dual activities may include: Track and Field, Orienteering (including understanding inherent risks associated with physical activity in extreme environments), Badminton, Frisbee Golf, Tennis or Pickle Ball, and "New Games". Each student will continually develop and work toward a personalized fitness program while preparing for the State Physical Fitness Tests.

To pass this Course, students must meet Standards: 1.1-1.12; 2.1-2.11; 3.1-3.10 as described in the Physical Education Model Content Standards for California Public School K-12<sup>th</sup> grade.

#### P.E COURSE II- PE2001 PE2002

LENGTH: One Semester	Year (5 Units)
GRADE LEVEL: □9 Ø10	☑ 11  ☑ 12
PREREQUISITE: P.E. I	
HOMEWORK: Yes	
LAB FEE: Uniform requirement	\$
<b>REQUIREMENTS FULFILLED:</b>	

As in Course 1, Course 2 will continue to meet the State goals of: developing proficient movement skills in each area of physical education; expand the capabilities for independent learning; and examine practices that allow for sound decision making to enhance successful participation in movement activities. Course 2 however, will focus on Team Sports (including the history of the games, rules and strategies) and will include an introduction to the fundamentals of Gymnastics/Tumbling, as well as basic combative games or modes. Students will be offered a variety of team sports and will analyze the skills and strategies in greater depth in order to apply biomechanical principles to a variety of movements. It is our goal that students will become aware of the many options they have in regards to recreational activities outside of the school environment for their own pursuit of individual excellence, as well as the various career opportunities in physical education and other related fields of study.

## To pass this Course, students must meet Standards: 1.1-1.12; 2.1-2.11; 3.1-3.9 as described in the Physical Education Model Content Standards for California Public Schools K-12<sup>th</sup> grade.

#### P.E COURSE III- AEROBICS- PE6003 PE6004

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 Ø10	☑ 11 ☑ 12
PREREQUISITE: "C" or better in previous P.E. class and/or Teacher Approval	
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	

Step aerobics is designed to assist students in developing the basic skills and understanding necessary for enjoyable and satisfactory participation in aerobic conditioning. This class permits students to tone muscles, increase strength, and develop overall physical fitness. Students will be instructed on the proper lifting techniques involved in resistance training as well as the use of free weights to gain skills for a lifetime of good fitness habits. This class will also include an introduction to deep stretching techniques, self defense, and overall nutrition.

To pass this Course, students must meet Standards: 1.1-1.6; 2.1-2.5; 3.1-3.11 as described in the Physical Education Model Content Standards for California Public Schools K-12<sup>th</sup> grade.

P.E COURSE III- AQUATICS- PE6005 PE6006	
LENGTH:  One Semester  Vear (5 Units)	
GRADE LEVEL: □9 ☑10 ☑ 11 ☑ 12	
PREREQUISITE: "C" or better in previous P.E. class and/or Teacher Approval	
HOMEWORK: Yes	
LAB FEE: Uniform Requirements	
REQUIREMENTS FULFILLED:	

Aquatics is a class designed to assist students in developing the basic skills and understandings necessary for enjoyable and satisfactory participation in aquatic activities for a lifetime. Students will expand their capabilities for independent learning; and they examine practices that allow for sound decision making to enhance successful participation in movement activities. This course will concentrate in the area of aquatic activities (i.e. swimming, snorkeling, water polo, life guarding, water safety, etc.).

To pass this Course, students must meet Standards: 1.1-1.9; 2.1-2.9; 3.1-3.10 as described in the Physical Education Model Content Standards for California Public Schools K-12<sup>th</sup> grade.

#### P.E COURSE III- WEIGHTS- PE6011 PE6012

LENGTH:  One Semester  Vear (5 Units)	
GRADE LEVEL: □9 □10 ☑ 11 ☑ 12	
PREREQUISITE: "C" or better in previous P.E. class and/or Teacher Approval	
HOMEWORK: Yes	
LAB FEE: Uniform Requirements	
REQUIREMENTS FULFILLED: AHC A-G AP	

Weight Training and Fitness Activities is an elective class designed to be taken after successful completion of PE Course 1 & 2. This course will provide students with the opportunity to further explore a physical activity in search of one they can enjoy and participate in for a lifetime. Students will expand their capabilities for independent learning; and they examine practices that allow for sound decision making to enhance successful participation in movement activities. This course will concentrate in the area of team, individual and dual activities (i.e. weights, cardio equipment, stretching, polymeric, etc.).

To pass this course, students must meet Standards: 1.1-1.8; 2.1-2.9; 3.1-3.9 as described in the Physical Education Model Content Standards for California Public Schools K-12<sup>th</sup> grade.

#### PE COURSE IV ADV AQUATICS- PE6017 PE6018

LENGTH: □ One Semester ☑ Year (5	Units)
GRADE LEVEL: □9 □10 ☑ 11 ☑12	
PREREQUISITE:	
HOMEWORK:	
LAB FEE: Uniform Requirements	
REQUIREMENTS FULFILLED:	A-G 🗆 AP

Aquatics is a class designed to assist students in developing the basic skills and understandings necessary for enjoyable and satisfactory participation in aquatic activities for a lifetime. Students will expand their capabilities for independent learning; and they examine practices that allow for sound decision making to enhance successful participation in movement activities. This course will concentrate in the area of aquatic activities (i.e. swimming, snorkeling, water polo, life guarding, water safety, etc.).

#### PE COURSE IV ADV WEIGHTS- PE6023 PE6024

LENGTH:  One Semester  Vear (5 Units)	
GRADE LEVEL: □9 □10 ☑ 11 ☑12	
PREREQUISITE:	<b>A</b>
HOMEWORK: None	
LAB FEE: Uniform Requirements	
REQUIREMENTS FULFILLED:	

This course is a continuation of Course 3 Team, Individual and Dual Activities and is intended to give a student intensive experience.

#### BALLET FOLKLORICO- PE6302 PE6303

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: Ø9 Ø10	図11 図12
PREREQUISITE: 2 terms of Me	exican Dance, audition, and instructor's approval.
HOMEWORK: Regular practice	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	

This is an advanced course. The steps and dances are more difficult. Performances are scheduled throughout the year at community, school and private functions.

#### **BEGINNING MEXICAN DANCE- PE6345 PE6346**

LENGTH:  One Semester  Vear (5 Units)	Mar 19
GRADE LEVEL: ☑9 ☑10 ☑11 ☑ 12	
PREREQUISITE: None	
HOMEWORK: Regular practice	
LAB FEE: None	
REQUIREMENTS FULFILLED:	

This course teaches the basic steps and dances of various regions of Mexico. The history, music and geographic details related to the dances will also be presented.

## SCIENCE DEPARTMENT

#### BIO LIVING EARTH- SC6100/SC6101 (P)

LENGTH: One Semester	☑ Year (5 Units)	Life Science
GRADE LEVEL: ☑9 ☑10	☑11 ☑12	
PREREQUISITE: None		
Accelerated students may be co	oncurrently enrolled in Physics of the Universe	8
HOMEWORK: Yes		
LAB FEE: None		
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP	

\*\*This course is aligned with the NGSS Life Standards and Earth Science Standards.

Biology: The Living Earth A/B (P) is a laboratory-based college preparatory course. This course is defined in the 2019 California Science Framework, integrating Biology and Earth and Space Science standards from the California Next Generation Science Standards (NGSS). The course is divided into seven units, the first of which is a unit that focuses on executive science skills. The following six Instructional Segments (I.S.) centered on questions about observations of a specific phenomenon. The units address the concepts of ecosystem interactions, energy flow in a system, evolution, genetics, cell theory, and climate change. Different phenomena require different amounts of classroom investigative time to explore and understand, so each Instructional Segment should take a different fraction of the school year. As students achieve the Performance Expectations (PEs) within the unit, they uncover Disciplinary Core Ideas (DCIs) from Life Science, Earth and Space Science, and Engineering. Students engage in multiple Science and Engineering Practices (SEPs) in each unit, not just those explicitly indicated in the PEs. Students also focus on one or two Crosscutting Concepts (CCCs) as tools to make sense of their observations and investigations; the CCCs are recurring themes in all disciplines of science and engineering and help tie these seemingly disparate fields together.

Biology: The Living Earth AB is a "d" level UC course and meets the District Graduation requirement for laboratory life science.

#### CHEMISTRY- SC6602/SC6603 (P)

LENGTH: One Semester	☑Year (5 Units)	Physical Science
GRADE LEVEL:  9 10	⊠11 ⊠12	2
PREREQUISITE:		CAXD
	/B (B average) or Honors Biology A/B (C average).	XXX
Successful completion of Algebra I	A/B (P) or 2 Year Algebra C/D (B average).	- CCC
Concurrent enrollment in Geometry	, or successful completion of Geometry (B average).	
HOMEWORK: Yes		
LAB FEE: None		
REQUIREMENTS FULFILLED:	□ AHC ØA-G □ AP	

\*\*This course is aligned with the NGSS Physical Science Standards.

<sup>^</sup>This course will be aligned with NGSS Chemical Science, Physical Science and Earth Science standards as a new course in 21-20

**Chemistry A/B (P)** course fulfills the general education requirement for physical science and is available to 10th through 12th-grade students who meet the prerequisite requirements. Chemistry is a two-semester course in inorganic chemistry is aligned to the Next Generation Science Standards. As a college preparatory course, chemistry includes the study of matter, the periodic table, chemical bonding, reactions, and related topics with laboratories making up a significant percentage of the content. Passing both terms of this course student will meet the physical science unit graduation requirement and the UC laboratory science requirement.

#### CHEMISTRY- HONORS- SC6606 SC6607 (P)

LENGTH: One Semester	✓ Year (5 Units) Pt	nysical Science
GRADE LEVEL:  9 10	☑ 11 ☑12	-02
PREREQUISITE:		
teacher/counselor recommendation	on based on previous exemplary science & math performance	
HOMEWORK: Yes		
LAB FEE: None		
REQUIREMENTS FULFILLED:	□ AHC Ø A-G □ AP	
**This course is aligned with the NG	SS Physical Science Standards.	

**Honors Chemistry A/B (P)** course fulfills the general education requirement for physical science and is available to 10th through 12th-grade students who meet the prerequisite requirements. Chemistry is a two-semester course in inorganic chemistry is aligned to the Next Generation Science Standards. This is an advanced class in chemistry that moves at a quicker pace and covers more topics in greater detail than college-prep Chemistry. Recommended for science, math, and engineering majors. As a college preparatory honors course, chemistry includes a detailed study of matter, the periodic table, chemical bonding, reactions, and related topics with laboratories making up a significant percentage of the content. Passing both terms of this course student will meet the physical science unit graduation requirement and the UC laboratory science requirement.

#### PHYSICS- SC6608 SC6609 (P)

LENGTH: □ One Semester ØYear (5 Units)	Physical Science
GRADE LEVEL: □9 □10 ☑ 11 ☑12	CXD-
PREREQUISITE:	
One year each of Algebra, Geometry and Chemistry, all with a grade of "C" or better.	G-VP
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED: 🗆 AHC 🗹 A-G 🗆 AP	

\*\*This course is aligned with subject-related NGSS Physical Science standards.

*Physics A/B (P)* course fulfills the general education requirement for a semester of **physical science** and is available to 11th and 12th-grade students who meet the prerequisite requirements. Physics A/B (P) is a year-long course with the purpose of presenting an advanced study of the physical properties of matter and energy. The course is divided into five major units: Mechanics, Properties of Matter; Waves, Sound and Light, Electricity and Magnetism; and Modern Physics. Passing both terms of this course student will meet the physical science unit **graduation requirement** and the **UC laboratory science requirement** 

## AP PHYSICS/AHC PHYSICS 100- SC6625 SC6626 (P)

LENGTH: □ One Semester	Physical Science
GRADE LEVEL: □9 □10 ☑ 11 ☑12	(X)
PREREQUISITE: Successful completion of Chemistry A/B or Physics A/B	
Algebra 2 minimum	G-VP
Concurrent enrollment in Calculus A/B highly recommended	Cle
HOMEWORK: Excessive	
LAB FEE: None	
REQUIREMENTS FULFILLED: 🗆 AHC 🗹 A-G 🗹 AP	

\*\*This course is aligned with the **College Board Advanced Placement Physics 1 Curriculum Framework**.

**AP Physics 1 A/B (P)** course is available to 11<sup>th</sup> and 12th-grade students who meet the prerequisite requirements. Grades earned in this course are calculated on a 5-point scale and are therefore weighted.

AP Physics is a year-long course designed for high school students as an opportunity to earn AP credit on their high school transcript, as well as placement credit for an introductory college-level science course. Students who earn a qualifying score on the AP Physics 1 Exam are typically eligible to receive college credit and placement into advanced science courses in college. AP Physics 1 is a year-long course designed to be taken by students after the successful completion of either high school physics or chemistry. AP Physics 1 is divided into four major units to be covered at an introductory collegiate level: classical mechanics, electricity and magnetism, waves and optics, and modern physics. Students will participate in numerous laboratory experiments and are expected to take the College Board Advanced Placement Exam. Successful completion of this course allows students **UC-approved "d" level science designation**.

# PHYSIOLOGY & ANATOMY- SC6616 SC6617 (P)

LENGTH:   One Semester	☑ Year (5 Units)	Life Science
GRADE LEVEL:   9  10	☑11 ☑12	
Successful completion of Chemist	pletion of Biology of the Living Earth (at least a "B") ry <b>highly recommended</b> (at least a "C")	
HOMEWORK: Yes		
LAB FEE: None		
REQUIREMENTS FULFILLED:	□ AHC ØA-G □ AP	

\*\*This course is aligned with the subject related NGSS Life Science Standards.

*Physiology/Anatomy A/B (P)* course is available to 11th through 12th-grade students who meet the prerequisite requirements. Physiology/Anatomy is a year-long course designed to support students with an interest in the human body. The in-depth study of cells, tissues of the skin (Integumentary System), Skeletal system, Muscular System, and Nervous System will peak student interest in the fall. Our study continues with Senses, Endocrine System, Blood Cardiovascular System, Lymphatic System, Digestive System, Respiratory System, Urinary System. The student's understanding of all the systems will be applied through Case Studies and detailed dissection of the Mink mammal. Passing both terms of this course student will meet the **UC laboratory science requirement.** 

# MEDICAL SCIENCE/HEALTH CAREERS- ND7010 ND7011 (P)

LENGTH:  One Semester  Vear (5 Units)	
GRADE LEVEL: □ 9 □ 10 ☑11 ☑ 12	
<b>PREREQUISITE:</b> Successful completion of Biology of the Living Earth Successful completion of Chemistry <b>highly recommended</b>	
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED: 🗆 AHC 🗹 A-G 🗆 AP	

This year-long course is designed as a starting point for students interested in a career in the health field. More than two-thirds of the course is devoted to core instruction on such topics as Medical Terminology, Basic Health Care Skills, Anatomy & Physiology, Universal Precautions, Understanding the Patient, History of Health Care, Survey of Health Care Careers, Health Care Safety, Ethics & Professionalism and Microbiology. During the other one-third of the course, students are placed in job shadowing experiences that span many aspects of the local health care industry. Currently, this course is offered at Pioneer Valley High School, so transportation is a student responsibility

# PHYSICS OF THE UNIVERSE- SC6651 SC6652 (P)

LENGTH: One Semester	☑ Year (5 Units)	Physical Science
GRADE LEVEL: Ø 9 Ø 10	☑11 ☑ 12	-(2)-
PREREQUISITE: None		Sox
Accelerated students may be conc	currently enrolled in Biology of the Living Earth	6-25-
HOMEWORK: Yes		
LAB FEE: None		
REQUIREMENTS FULFILLED:	□AHC ☑ A-G □ AP	

#### \*\*This course is aligned with the NGSS Physical Science and Earth Science Standards

*Physics of the Universe A/B (P)* course is aligned to the California Next Generation Science Standards (CA NGSS) and the California Science Framework High School Three-Course Model. Students in this course will learn content based on the three dimensions of CA NGSS science: Science and Engineering practices (SEPs), Disciplinary Core Ideas (DCIs), and Crosscutting Concepts (CCCs). The course is divided into seven units including the six instructional segments from the California Science Framework and is centered on questions about a specific phenomenon.

As students achieve the Performance Expectations (PEs) within the unit through laboratory experiments, projects, and inclass demonstrations, they uncover Disciplinary Core Ideas (DCIs) from Physical Science, as well as Earth and Space Science. Students engage in multiple Science and Engineering Practices (SEPs) in each unit, not only those explicitly indicated in the PEs. Students also focus on one or two Crosscutting Concepts (CCCs) as tools to make sense of their observations and investigations. This course will provide a foundation in the laws of physics to support students understanding of the processes that shape Earth and space systems.

Physics of the Universe A/B is a "d" level UC Course and meets the District Graduation requirement for physical science

# ENVIRONMENTAL SCIENCE- SC6633 SC6634 (P)

LENGTH: One Semester	☑ Year (5 Units)	Interdisciplinary/Physical/Life Science
GRADE LEVEL: 9 10	図11 図 12	2
PREREQUISITE: Successful c	ompletion of Biology of the Livi	ng Earth
Successful completion of Chemistry highly recommended		
HOMEWORK: Yes		
LAB FEE: None		
<b>REQUIREMENTS FULFILLED:</b>	🗆 AHC 🗹 A-G 🗆 AP	
**This course is aligned with the si	bject related NGSS Physical	and Life Science Standards

\*\*This course is aligned with the subject related NGSS Physical and Life Science Standards.

**Environmental Science A/B (P)** course fulfills the general education requirement for physical science and is available to 11th and 12th-grade students who meet the prerequisite requirements. Environmental Science is a year-long course designed for high school students and is a multidisciplinary science course that provides students the opportunity to learn about and develop an appreciation for the Earth's environment. Concepts will be taught from a rigorous science perspective that stresses scientific principles and analysis and includes a laboratory component. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will examine natural and man-made environmental problems, considering alternatives for solving or preventing them. Issues will be studied from scientific, sociological and political perspectives. This course fulfills a **UC "d" level college requirement for lab science** 

Intended to enable student to undertake, as first year college students, a more advanced study of topics in environmental science.

### FORENSIC SCIENCE- SC3055 SC3056 (P)

LENGTH: One Semester	☑ Year (5 Units)	Physical Science
GRADE LEVEL: 9 10	☑11 ☑ 12	(29)
PREREQUISITE: Successful co	mpletion of Biology of the Living Earth	
Successful completion of Chemist	ry highly recommended	GVP_
HOMEWORK: Yes		64
LAB FEE: None		
REQUIREMENTS FULFILLED:	🗆 AHC 🗹 A-G 🗆 AP	

\*\*This course is aligned with the subject related NGSS Physical and Life Science Standards.

*Forensic Science A/B (P)* is an upper-division, two–semester course that will increase a student's knowledge and practical application of current methodologies utilized in the area of a crime scene investigation. This is a class that will provide an avenue for student to use the scientific method to solve real-life crime situations. Students will use logical and critical thinking skills to process and evaluate information and evidence in order to arrive a successful solution to any number of scenarios based on actual and mock crime scenes. Students must apply their knowledge of biology, chemistry, physics, and biotechnology in order to develop solutions within a forensic science context.

Successful completion of this year-long course will result in completion of UC "d" level lab science requirement.

# MARINE SCIENCE- SC6612 SC6613 (P)

LENGTH: □ One Semester ☑ Year (5 Units)	Physical Science/Life Science
GRADE LEVEL: □ 9 □ 10 ☑11 ☑ 12	(M) - >
PREREQUISITE: Successful completion of Biology of the Living Earl	th 🛛 🙀 🤤
Successful completion of Chemistry highly recommended	
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED:	of Physical Science, semester of Life Science]

\*\*This course is aligned with the subject related NGSS Physical and Life Science Standards.

*Marine Science A/B (P) course* fulfills the general education requirement for a semester of physical science and a semester of life science and is available to 11th through 12th-grade students who meet the prerequisite requirements. Marine Science is a year-long college preparatory lab science course designed to teach students the concepts and principles of marine science and scientific literacy. This is an interdisciplinary course that introduces students to marine biology, ocean chemistry, oceanography, and research technology while providing an in-depth study of human impacts on our oceans. This class blends the requirements of the Next Generation Science Standards and California's Environmental Principles & Practices. Passing the fall term of this course student will earn of a semester of physical science credit and passing the spring term of this course student will earn a semester of life science credit towards science unit graduation requirement. This course also meets the **UC laboratory science requirement**.

# SOCIAL SCIENCE DEPARTMENT

## 10<sup>th</sup> GRADE

### MODERN WORLD HISTORY- SS2030 SS2031 (P)

LENGTH: □ One Semester ☑ Year (5 Units)
GRADE LEVEL: □9 ☑10 □ 11 □ 12
PREREQUISITE: Sophomore standing
HOMEWORK: Yes
LAB FEE: None
REQUIREMENTS FULFILLED: 🗆 AHC 🗹 A-G 🗆 AP

Students in grade 10 study major turning points that shaped the modern world, from the late 18th century through the present, including the cause and course of the two world wars. They trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. They extrapolate from the American experience that democratic ideals are often achieved at a high price, remain vulnerable and are not practiced everywhere in the world. Students develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students consider multiple accounts of events in order to understand international relations from a variety of perspectives.

### AP WORLD HISTORY- SS2040 SS2041 (P)

LENGTH:  One Semester  Vear (5 Units)
GRADE LEVEL: □9 ☑10 □ 11 □ 12
PREREQUISITE: Sophomore standing
HOMEWORK: Extensive
LAB FEE: None
REQUIREMENTS FULFILLED: 🗆 AHC 🗹 A-G 🗹 AP

This course is a social science course intended to prepare students to pass the Advanced Placement examination in World History. This course is open to qualified sophomores in lieu of Modern World History. Dealing with the time period 1000 AD to present, the course focuses on the impact of interactions among major societies, the relationship of change and continuity across the world during these time periods, the impact of technology and demography on people and environment, systems of social structure and gender structure, cultural and intellectual developments and interactions among and within societies, and changes in functions and structures of states and in attitudes toward states and political identities including the emergence of the nation-state.



# 11<sup>th</sup> GRADE

## US HISTORY- SS3032 SS3033 (P)

LENGTH:  One Semester  Vear (5 Units)
GRADE LEVEL: □9 □10 ☑ 11 □ 12
PREREQUISITE: Junior standing
HOMEWORK: Yes
LAB FEE: None
REQUIREMENTS FULFILLED:

Students will study major turning points in American history with a focus on the 20th century. Following a review of early American history and the enlightenment ideals that shaped the nation, students will focus on the impact of industrialization and new technology on the economics, politics and culture of the nation. Another major theme will include immigration patterns and the ethnic composition of American society and how it has shaped movements toward equal rights for racial minorities and women. Students will also study the rise of the U.S. as a major world power. A continuing theme will be an understanding of the expansion of the role of the federal government and the tension and delicate balance between the individual and the state. Students will understand the rights given to American citizens in the U.S. Constitution and be encouraged to take a more active role in society to continue to preserve and protect those rights.

# AP US HISTORY- SS3034 SS3035 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL:  9 10	☑11 ☑12
PREREQUISITE: Junior standin	g
HOMEWORK: Extensive	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G ☑ AP

The survey course covers U.S. History from colonization to the present. Special emphasis is placed on analysis and evaluation of primary and secondary source documents. This U.S. History course prepares students for university level academics. In addition, students who pass the College Board exam earn credits for up to two college courses.

### AHC US HISTORY- SS3028 SS3029 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL:   9  10	☑11 □12
PREREQUISITE: Junior standin	g
HOMEWORK: Extensive	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	🗹 AHC 🗹 A-G 🛛 AP

A brief survey of United States history (New World exploration to the present), and its method of research through critical thinking involving the economic, political, international, and ethnic factors fundamental for understanding the nation's origins and growth.

# ETHNIC & SOCIAL JUSTICE IN USH- SS3038 SS3039 (P)

LENGTH: ØOne Semester	□Year (5 Units)
GRADE LEVEL: 09 010	☑ 11 □ 12
PREREQUISITE: Junior standing	g
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP

Course will teach U.S. History from the perspectives of ethnic, racial or marginalized groups, reflecting narratives and points of view rooted in that group's lived experiences and intellectual scholarship – one which emphasizes the roles of justice, power, race, and gender in American history.

### 12<sup>th</sup> GRADE

### US ECONOMICS- SS4041 (P)

GRADE LEVEL:       □9       □10       □11       ☑12         PREREQUISITE:       Senior standing		
HOMEWORK: Yes		
LAB FEE: None		
REQUIREMENTS FULFILLED: AHC AG AP		

This is a one-semester course designed to expose students to an understanding of economic problems and institutions. They are taught economic reasoning while exploring basic content in supply and demand, scarcity, structure and function of business organizations, Banking, Federal Reserve System, tax structure, and the role of government in the American economy. They are also shown the relationship of the American market economy and labor and their role in the global setting. Analysis of graphs, statistics and charts are key element of the course. Materials and lessons are aligned with California Standards.

### AP MACRO ECONOMICS- SS4039 (P)

LENGTH: Ø One Semester □ Year (5 Units)		
GRADE LEVEL: □9 □10 □ 11 ☑ 12		
PREREQUISITE: Senior standing		
HOMEWORK: Yes		
LAB FEE: None		
REQUIREMENTS FULFILLED:  AHC AG AG		

The purpose of the AP course in macroeconomics is to give students a thorough understating of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determinations, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

# AHC POLITICAL SCIENCE 103 - AMERICAN GOVERNMENT- SS4001(P)

LENGTH: Ø One Semester 🛛 Year (5 Units)
GRADE LEVEL: □9 □10 □ 11 ☑ 12
PREREQUISITE: Senior standing
HOMEWORK: Yes
LAB FEE: None
REQUIREMENTS FULFILLED: 🗹 AHC 🗹 A-G 🗆 AP

This course is an in-depth study of the structures and functions of our political institutions and the impact of the American political system at the national, state, and local level. The key to being successful in this course is a detail understanding of the interplay and linkage between the structures of government and the role of politics. This course satisfies part of the history and government requirements for the CSU, UC, Allan Hancock College, and many private colleges. Acceptable for credit: CSU, UC.

### US GOVERNMENT- SS4036 (P)

LENGTH: ØOne Semester	□Year (5 Units)
GRADE LEVEL:  9 10	□ 11  ☑ 12
PREREQUISITE: Senior standing	ng
HOMEWORK: Yes	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC Ø A-G □ AP

In this course students will become familiar with the Structure of the American Governmental system. Students will apply knowledge from previous courses in history to understand the evolutionary growth of our system of democracy. This course is designed to encourage greater civic responsibility that each student must possess as active citizens. Materials and lessons are aligned with California Standards.



# AP US GOVERNMENT- SS4037 (P)

LENGTH: I One Semester	Year (5 Units)
GRADE LEVEL:   9  10	□ 11  ☑12
PREREQUISITE: Senior standin	g with advanced reading and writing skills
HOMEWORK: Extensive	
LAB FEE: None	
REQUIREMENTS FULFILLED:	□ AHC ☑A-G ☑AP

This is a college course taught at the high school. Students must possess both writing and reading skills at an advanced level to be successful. This course in United States Government and Politics is designed to give students a critical perspective on politics and government. It involves both the study of general concepts used to interpret United States politics and the analysis of specific case studies. It also requires familiarity with the various institutions, group beliefs, and ideas that make up the American political reality. The course is designed to prepare the student to take the Advanced Placement Examination in hopes of receiving college credit. Materials and Lessons are aligned with College Board Standards and exceed California Standards.

# SOCIAL STUDIES ELECTIVES

### CHICANO/LATINO STUDIES- SS6007 SS6008 (P)

LENGTH: One Semester	☑ Year		
GRADE LEVEL: □9 Ø10	☑11 ☑12		
PREREQUISITE: Students have	successfully completed OR are currently taking Modern Work	d History	
HOMEWORK: Yes			
LAB FEE: None			
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ØA-G □ AP		

This course explores Latino experiences from pre-Columbian civilizations to the present. It is an interdisciplinary course that investigates the diversity of Chicano/Latino culture as it is conditioned by the intersections of race, class, gender, regional variation and power. Through culturally relevant curriculum, this class will provide a historical, political, and economic analysis of Chicano/Latino people's quest for equality. This course will address the Chicana/o Movement, immigration, literature, music and film to discuss the factors that contribute to the formation of Chicano/Latino identity today.

### PSYCHOLOGY- SS6152 SS6153 (P)

LENGTH: One Semester	☑ Year (5 Units)	
GRADE LEVEL: □9 Ø10	☑11 ☑12	
PREREQUISITE: Sophomore standing		
HOMEWORK: Yes		
LAB FEE: None		
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ØA-G □ AP	

Beginning with a study of perception, students explore the various psychological perspectives that attempt to explain human behavior. Units include development, needs and motivation, cognitive processing and dreams, personality, disorders, and social cultural influences that may contribute to our development. This survey course meets A-G requirements and is highly recommended for students interested in the broad range of careers that require knowledge of people.

### SOCIOLOGY- SS6743 SS6744 (P)

LENGTH: One Semester	☑ Year (5 Units)	
GRADE LEVEL: □9 ☑10	团11 团12	
PREREQUISITE: Sophomore standing		
HOMEWORK: Yes		
LAB FEE: None		
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ØA-G □ AP	

Students work to develop a sociological imagination-the ability to see how their culture and society influences their behavior. In the process, students are introduced to key researchers and three sociological paradigms as they study socialization from infancy to old age, culture, race and ethnicity, deviance and crime, stratification, sex and gender, groups and organizations, religion and family, and globalization. This course meets A-G requirements and is highly recommended for students who are interested in human behavior.

# **VISUAL & PERFORMING ARTS DEPARTMENT**

# ART I- VP6500 VP6501 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 Ø10	☑11 ☑12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE:	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC  ☑A-G  □ AP

This is a beginning art course in design and drawing. It is taught as an introduction to visual arts. Art 1A focuses on the study of design – the language of art. Projects will focus on mastering the elements and principles of design. Art 1B focuses on learning the basics of visual and imaginative drawing.

LENGTH: One Semester	☑ Year (5 Units)	
GRADE LEVEL: □9 ☑10	☑11 ☑12	
PREREQUISITE: None		
HOMEWORK: Yes		
LAB FEE:		
<b>REQUIREMENTS FULFILLED:</b>	🗆 AHC 🛛 A-G 🗖 AP	

An introductory art course that allows students to enjoy a wide variety of drawing experiences. This course will challenge the student's imagination and creativity while improving their skills. A variety of drawing tools and techniques will be learned, and this course may be offered in traditional or digital media. This course helps to satisfy graduation requirements for Visual and Performing Arts.

### **INTERMEDIATE DRAWING- VP6424 VP6425 (P)**

LENGTH:  ☐ One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 ☑10	☑11 ☑12
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE:	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC  ☑A-G  □ AP

After the successful completion of Introduction to Art, students will continue learning more about the drawing process will have the opportunity to further learn technique, successful usage of a variety of medium which will enhance individual creativity while developing individual skills. Students will learn how to produce drawings, which will rely heavily upon sight and object drawing as well as creating work based upon imagination.

## DIGITAL ARTS 1- VP6006 VP6007 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 ☑10	☑ 11  ☑ 12
PREREQUISITE:	
HOMEWORK: Yes	
LAB FEE:	
<b>REQUIREMENTS FULFILLED:</b>	🗆 AHC 🗹 A-G 🗆 AP

Designed for students who have shown interest in the field of fine arts and the use of digital imaging technology. Students will learn a variety of methods of expression by means of electronic (digital) equipment.

# DIGITAL ARTS 2- VP6011 VP6012 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: □9 Ø10	☑ 11 ☑ 12
PREREQUISITE:	
HOMEWORK: Yes	
LAB FEE:	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑ A-G □ AP
REQUIREIVIEN IS FULFILLED:	

Designed for students who have shown interest in the field of fine arts and the use of digital imaging technology. Students will learn a variety of methods of expression by means of electronic (digital) equipment.

### **BEGINNING BAND- VP6461 VP6462**

LENGTH: One Semester	☑ Year (5 Units)	
GRADE LEVEL: Ø9 Ø10	☑ 11   ☑12	
PREREQUISITE: 1 year of ban	d experience, audition and instructor's approval.	
HOMEWORK: Regular practice		
LAB FEE: None		
<b>REQUIREMENTS FULFILLED:</b>		

This class provides an opportunity for students to begin instrumental study even at this late stage. It is especially valuable to those who, for some reason, have not had a previous opportunity. Very often it provides an opportunity for students of piano or voice to begin the study of a band or orchestral instrument. Promotion to intermediate band after one year is possible if the student has sufficient talent, studies, and practices with average or better industry.

### JAZZ ENSEMBLE- VP6550 VP6551 (P)

LENGTH:  One Semester  Vear (5 Units)	
GRADE LEVEL: 쩐9 쩐10 쩐 11 쩐12	
PREREQUISITE: 1 year of band experience, audition and instructor's approval.	
HOMEWORK: Regular practice	
LAB FEE: None	
REQUIREMENTS FULFILLED: 🛛 AHC 🖾 A-G 🗆 AP	

This course is offered to performers interested in a jazz experience. Students will perform in a "big band" setting. Improvisation is a component.

### MARCHING/ CONCERT BAND- VP6464 VP6464

GRADE LEVEL:       Ø9       Ø10       Ø11       Ø12         PREREQUISITE:       1 year of band experience and instructor's approval       Image: Comparison of the second s	1
HOMEWORK: Regular practice	£.
LAB FEE:	
REQUIREMENTS FULFILLED: AHC	

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Must have played an instrument for one year. Offered to flute, oboe, clarinet, saxophone, trumpet, French horn, bassoon, trombone, baritone horn, tuba and percussion performers. There are limited opening for double bass and piano. The ensemble will perform characteristic literature written for wind ensemble. Performances include concerts, festivals, competitions and community events. The band doubles as a marching band for home football games in the fall semester as well as concerts. Attendance at rehearsals and performances is required.

### GUITAR- VP6552 VP6553 (P) INTERMEDIATE GUITAR- VP6558 VP6559 (P)

LENGTH:  One Semester  Vear (5 Units)	
GRADE LEVEL: □9 ☑10 ☑11 ☑12	
PREREQUISITE: None	
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED: AHC	

Guitar is designed for the student with little or no guitar experience. It will cover basic to intermediate playing skills, fundamentals and historical information on musicians and music styles.

Intermediate Guitar is designed to introduce and foster more advanced study of music using the guitar. It will provide expert level knowledge of the general framework requirements and to hone student musical abilities in ensembles and classical genres.

# PHOTOGRAPHY I- VP6447 VP6448 (P) PHOTOGRAPHY II- VP6449 VP6450 (P)

LENGTH:  One Semester  Vear (5 Units)
GRADE LEVEL: 🗹 9 🗹 10 (Photo I)
☑11 ☑12 (Photo II)
PREREQUISITE: None
HOMEWORK:
LAB FEE: Yes
REQUIREMENTS FULFILLED: 🛛 AHC 🖾 A-G 🗆 AP

Students will study photographs from the entire range and history of the medium to use as starting points for their own creative work. A variety of photographic assignments will provide training and experience in the basic technical and artistic elements of black-and-white photography. Students will see how their own intuitive ideas are linked to the universal principals of art from different cultures and time periods; developing their ability to discuss, produce, and enjoy art.

Photography II is a continuation of Photo I and will enhance the already increasing of their understanding of photographic processes.

# CONCERT CHOIR- VP6475 VP6476 (P)

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: 🗹 9 🗹 10	Ø11 Ø12
PREREQUISITE: None	
HOMEWORK:	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ☑A-G □ AP

Course designed as an elective class for all students interested in vocal music. The course stresses development of good vocal techniques, group spirit and teamwork, group cooperation through singing together, and development of a basic vocabulary of music terms. Successful completion of this course helps to satisfy District graduation requirements for Visual and Performing Arts.

PUBLICATIONS (YEARBOOK)- VP6554 VP6555 (P)	
LENGTH:  One Semester  Vear (2.5 Units)	PE 200
GRADE LEVEL: □9 ☑10 ☑11 ☑12	
PREREQUISITE: Instructor's approval	
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED: AHC	

This course produces our school's yearbook. It focuses on journalistic writing, desktop publishing, digital photography and advertisement sales.

# NON-DEPARTMENTAL COURSES

### COURSE TITLE: AVID 9<sup>TH</sup> ND6403 ND6404 AVID 10<sup>th</sup> ND6405 ND6406 AVID 11<sup>th</sup> ND6407 ND6408 AVID 12<sup>th</sup> ND6413 ND6414

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: Ø9 Ø10	☑11 ☑ 12
PREREQUISITE: Completion of	of selection process includes application, percentile rank on reading and
math, 2.0 or above G.P.A., stude	ent composition and student interview.
HOMEWORK: Yes	
LAB FEE: None	
REQUIREMENTS FULFILLED:	

AVID is a program designed to prepare high school students, who are underrepresented at the university level, to meet the requirements for admission to four-year colleges and universities. Students enroll in and are given academic support to be successful in CP, Honors and AP, English, history, science, and math classes. AVID is a yearlong elective class taught during A block. Students are expected to remain in the AVID Program all four years of high school. In the AVID class, students are tutored by college students and taught skills needed to be successful in college preparatory classes. In particular, students are taught study skills, note taking, time management, writing and research skills. Students also learn about colleges and universities (especially the application and financial aid processes) and prepare for college admission tests such as the PSAT, SAT and ACT. Students may take fieldtrips to various college campuses and cultural events. Guest speakers from the community may speak in the AVID class about their experiences and career options.

AVID elective courses at all grade levels are designed to prepare, in an academic context, students for entrance into four year colleges, with emphasis on analytical writing, preparation for college entrance and placement exams, college study skills and test taking, oral language development, note taking, and research.

As with all AVID courses, the Senior year features tutors, college students, who lead discussions and analysis of academic subjects in which the students are enrolled. Students are required to complete weekly timed writings and analytical discourses in all subjects. In addition, students are required to make oral presentations to the class on topics related to career searches, college entrance, contemporary issues, and social concerns all the while focusing on a culminating senior paper, portfolio, and/or project. Students, working with the tutors, are expected to participate in and eventually act as moderators for Socratic Seminars. These discussions move beyond didactic instruction and assist students in gaining multiple perspectives on tests, supporting arguments with clear reasoning and evidence, and developing their critical thinking skills to the extent necessary for success in college

### LEADERSHIP ASB- SS6141 SS6142

LENGTH: One Semester	☑ Year (5 Units)
GRADE LEVEL: 29 210	☑11 ☑12
PREREQUISITE:	
HOMEWORK:	
LAB FEE: None	
<b>REQUIREMENTS FULFILLED:</b>	□ AHC ØA-G □ AP

This class is designed to teach leadership skills and governmental structure which ultimately enhances school pride, spirit and culture as well as the student's individual knowledge of a working government. The class will focus on standards designed by the California Association of Directors of Activities and Common Core State Standards, including public speaking, written communication, service learning, presentation skills, community service, government hierarchy, procedures and elections, personal and social development, goal setting, group dynamics, business marketing, finance accounting, advertising, business law and research while positively impacting the entire student body.

### HEALTH- ND6752

GRADE LEVEL:         ☑9         □10         □11         □12           PREREQUISITE: None
PREREQUISITE: None
HOMEWORK: Yes
LAB FEE: None
REQUIREMENTS FULFILLED: AHC A-G AP

This course is designed to meet the graduation requirement for Health at Santa Maria High School. The major goal of the curriculum is the development of heath literacy in all students. The four unifying ideas of health literacy are: acceptance of personal responsibility for lifelong health, respect for and promotion of the health of others, an understanding of the process of growth & development and an informed use of health related information. Individual units may include: Growth & Developments, Communication & Decision Making, Mental Health, Alcohol-Tobacco and Drugs, Reproductive Health, Sexually Transmitted Disease including HIV/AIDS, Injury Prevention & Safety, Nutrition, Communicable and Chronic Disease, and Consumer & Environmental Health.