2017 | 2018
HIGH SCHOOL
COURSE CATALOG

Published by the Office of the Associate Superintendent, K-Adult Schools
# LIST OF COURSE OFFERINGS BY SCHOOL

## LEGEND

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[AP]</td>
<td>Advanced Placement Course / Meets UC/CSU Requirements</td>
</tr>
<tr>
<td>BL</td>
<td>Bilingual Speaker Course</td>
</tr>
<tr>
<td>ELD</td>
<td>English Language Development Course</td>
</tr>
<tr>
<td>[H]</td>
<td>Honors Level Course / Meets UC/CSU Requirements</td>
</tr>
<tr>
<td>[P]</td>
<td>College Preparatory Course / Meets UC/CSU Requirements</td>
</tr>
<tr>
<td>ROP</td>
<td>Regional Occupational Program Course</td>
</tr>
<tr>
<td>SL</td>
<td>Sheltered English Course—also known as Specially-Designed Academic Instruction English (SDAIE)</td>
</tr>
</tbody>
</table>
# DE ANZA HIGH SCHOOL

## A
- Advanced Piano [P]
- Aerospace IV Airforce JROTC
- AFJROTC Aerospace
- AFJROTC Leadership Education
- AFJROTC Wellness Program
- African Am Lit [P]
- Algebra 1
- Algebra 1 SL [P]
- Algebra 1 [P]
- Algebra 2 Trig [P]
- Amer Govt [P]
- American Gov SL[P]
- AP Biology
- AP Calculus AB
- AP Chemistry
- AP English Language and Composition
- AP English Literature and Composition
- AP Government & Politics United States
- AP Macroeconomics
- AP Microeconomics
- AP Psychology [P]
- AP Spanish Language
- AP Spanish Literature
- AP United States History
- AP World Hist
- Applied Research Methods for Contemporary Art Advanced [P]
- Art of Video Production (ROP)

## B
- Band Beginning
- Band Symphonic [P]
- Begin Art [P]
- Beginning Piano [P]
- Biology Science
- Biology SL [P]
- Biology [P]
- Biomedical Science [P]

## C
- Career Guidance
- Ceramics 1 [P]
- Chemistry SL [P]
- Chemistry [P]

## D
- Community Integra
- Concert Choir [P]
- Creative Writing [P]
- CSU Expository Reading and Writing
- Dance Production [P]
- Digital Arts Designs the Web1[P]

## E
- Economics SL [P]
- Economics [P]
- ELD 1A
- ELD 1B
- ELD 2A
- ELD 2B
- ELD 3A
- ELD 3B
- ELD 4 [P]
- Eng/Read(R180)
- English 1 [P]
- English 2 [P]
- English 3 [P]
- English Skills
- English/Reading
- Ensemble [P]
- Environmental Science I [P]
- Environmental Science II [P]

## F
- Foun Cul Geog
- French 1 [P]
- French 2 [P]
- French 3 [P]
- French 4 [H]
- Functional Academy

## G
- Geometry SL [P]
- Geometry [P]

## H
- Health Science Emergency Medicine [P]
- Homeroom/Advisory
- Hospital Health Services (ROP)

## I
### DE ANZA HIGH SCHOOL

- Ind Living Skill 1
- Internet Engineering 1 [P]
- Internet Engineering 2 [P]
- Intro to Law [P]
- Introduction to Healthcare Careers [DE]

### J

- Jazz Dance 1 [P]
- Jazz Dance 2 [P]
- Jazz Ensemble [P]
- Journalism 1 [P]
- Journalism 2 [P]
- Journey for Justice in America (UCCI)

### L

- Law & Justice [P]
- Leadership
- Life Skills for Healthcare Student [DE]

### M

- Math
- Math Skills
- Math Support I
- Mex-Amer Lit [P]
- MultiMedia [P]

### P

- PE Core Prgm -Gr9
- PE Core Program
- PE Weight Trainin
- Personal Care Skil
- Physical Science
- Physics [P]
- Physiology [P]
- Pre-Calculus [H]
- Probability & Statistics [P]
- Psychology [P]

### R

- Rec Living Skills

### S

- Skills for Success
- Spanish 1 [P]
- Spanish 2 [P]

### EL CERRITO HIGH SCHOOL

- Spanish 3 [P]
- Spanish 4 [H]
- Spanish for Spanish Speakers 1 [P]
- Student Advocacy

### T

- Theater 1 [P]
- Theater 2 [P]
- Theater Advance [P]
- Tutorial

### U

- US Government
- US History SL [P]
- US History [P]

### W

- Work Experience
- World Hist SL [P]
- World History
- World History [P]

### Y

- Yearbook

### A

- Adaptive Phys Ed
- Advanced Auto Technology ROP
- Advanced Media Communication [P] ROP
- Algebra 1 Skills
- Algebra 1 SL [P]
- Algebra 1 [P]
- Algebra 2 Trig [P]
- Algebra 2 [P]
- All Skills
- American Government [P]
- American Government SL[P]
- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP Computer Science (ROP)
EL CERRITO HIGH SCHOOL

AP English Language and Composition
AP English Literature and Composition
AP Environmental Science
AP French Language
AP Government & Politics United States
AP Japanese Language and Culture
AP Psychology [P]
AP Spanish Language
AP United States History
AP World Hist
Art Advanced [P]
Art of Video Productions (ROP)
Auto Technology ROP

B
Band Symphonic [P]
Begin Art [P]
Biology SL [P]
Biology [P]
Broadcast Journalism [ROP]

C
Career Guidance
Ceramics 1 [P]
Chemistry SL [P]
Chemistry [P]
Concert Band [P]
CSU Expository Reading and Writing

D
Daily Living Skill
Dance Production [P]
Digital Art Designs the Web 1 [P]
Digital Arts Web Design I (ROP)

E
Economics SL [P]
Economics [P]
ELD 1A
ELD 1B
ELD 2A
ELD 2B
ELD 3A
ELD 3B
ELD 4 [P]
Eng/Read (R180)

F
Foun Cul Geo BL [P]
Foun Cul Geog [P]
Found Cul Geog SL [P]
French 1 [P]
French 2 [P]
French 3 [P]
French 4 [H]

G
Generic English
Geometry Concepts
Geometry SL [P]
Geometry [P]
Gnrc Elective [P]
Gnrc Soc Sci [P]

I
Info Systems Design & Management 2 (ROP)
Information Systems Design & Mngmt (ROP)

J
Japanese 1 [P]
Japanese 2 [P]
Japanese 3 [P]
Japanese 4 [H]
Jazz Band [P]
Jazz Dance 1 [P]
Jazz Dance 2 [P]
Jazz Ensemble [P]
Journalism 1 [P]

L
Leadership
Library Assistant
Life Science
HERCULES HIGH SCHOOL

M
Math
MultiMedia [P]

P
P. E.
PE Core Prgm -Gr9
PE Weight Trainin
Photography [P]
Photography Advanced [P]
Physical Science
Physics [H]
Physiology [P]
Pre-Calculus [H]
Probability & Statistics [P]

R
Reading
Rec Living Skills

S
Skills For Living
Social Study Skill
Spanish 1 [P]
Spanish 2 [P]
Spanish 3 [P]
Spanish 4 [H]

T
Theater 1 [P]
Theater 2 [P]
Theater Advance [P]
Tutorial

U
US History SL [P]
US History [P]

W
Wind Ensemble [P]
World History SL [P]
World History [P]
World War II [P]

A
Academic Tutorial
Adv Visual Arts [P]
Algebra 1
Algebra 1 [P]
Algebra 1 SL [P]
Algebra 2 Trig [P]
Amer Govt [P]
American Gov SL [P]
Anatomy & Physiology [P]
AP Calculus AB
AP Calculus BC
AP Chemistry
AP Computer Science Principles [P]
AP English Language and Composition
AP English Literature and Composition
AP Environmental Science ROP
AP Government & Politics United States
AP Human Geography
AP Psychology [P]
AP Spanish Language
AP Statistics
AP Studio Art: 2-D Design
AP United States History
AP World History
App Res Methods For Cont Issues [P]

B
Band Symphonic [P]
Begin Art [P]
Biology Science
Biology [P]
Biology SL [P]
HERCULES HIGH SCHOOL

C
Chemistry [P]
Chemistry SL [P]
Comp Graphic Arts ROP [P]
Computer Apps
Computer Programming (ROP)
Concert Choir [P]
CSU Expository Reading and Writing

D
Daily Living Skill
Dance Production [P]

E
Economics [P]
Economics SL [P]

JOHN F. KENNEDY HIGH SCHOOL

ELD 1A
ELD 1B
ELD 2A
ELD 2B
ELD 3A
ELD 3B
ELD 4 [P]
English
English 1 [P]
English 2 [P]
English 3 [H]
English 3 [P]
English 4 [P]
English I Advanced [P]
English II Advanced [P]

F
French 1 [P]
French 2 [P]
French 3 [P]

G
Geometry [P]
Geometry SL [P]
Govt & Politics US

L
Leadership

M
Medical Careers [P]

O
Orchestra [P]
Orchestra Advanced

P
PE Core Prgm -Gr9
PE Individual Sprt
PE Weight Trainin
Personal Care Skill
Physical Science
Physics [P]
Pre-Calculus [H]
Pre Calculus [P]
Probability & Statistics [P]
Publications

R
Rec Living Skills

S
Skills For Living
Skills For Success
Skills Vis Impair
Spanish 1 [P]
Spanish 2 [P]
Spanish 3 [P]
Spanish 4 [H]

T
Theater Advanced [P]
Theater 1 [P]
Tutorial

U
US History
US History [P]
US History SL [P]
JOHN F. KENNEDY HIGH SCHOOL

V
Vocational Educ

W
World History [P]
World History SL [P]
World of Work

A
Academic Tutorial
Advanced Piano [P]
Algebra 1 [P]
Algebra 1 BL [P]
Algebra 1 SL [P]
Algebra 2 [P]
Algebra 2 SL [P]
Algebra 2 Trig [P]
Amer Govt [P]
American Gov SL[P]
AP Biology
AP Calculus AB
AP English Language and Composition
AP English Literature and Composition
AP Government & Politics United States
AP Spanish Language
AP Studio Art: Drawing
AP United States History
AP World Hist
Art Advanced [P]

B
Band Beginning
Band Symphonic [P]
Begin Art [P]
Beginning Piano [P]
Biology [P]
Biology Accel [P]
Biology BL [P]
Biology SL [P]

C
Chemistry SL [P]
Chemistry [P]
College and Career Readiness [P]
Computer Science [P]

MIDDLE COLLEGE HIGH SCHOOL

D
Dance Production [P]
Digital Arts Designs the Web 1 [P]
Digital Photography (ROP)

E
Economics SL [P]
Economics [P]
ELD 1A
ELD 1B
ELD 2A
ELD 2B
ELD 3A
ELD 4 [P]
Eng/Read (R180)
Engineer Your World [P]
English
English 1 [P]
English 2 [P]
English 3 [P]
English 4 [P]
English I Adv [P]
English II Adv [P]
English Skills

F
French 1 [P]
French 2 [P]
French 3 [P]
Functional Academy

G
Generic Elective
Generic Social Sci
Geometry P]
Geometry BL [P]
Geometry SL [P]
Graphic Arts
Graphics & Digital Arts [P]
Guitar Advanced [P]
Guitar Beginning [P]
### MIDDLE COLLEGE HIGH SCHOOL

<table>
<thead>
<tr>
<th>Letter</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>Health Science</td>
</tr>
<tr>
<td>I</td>
<td>Info Systems Design &amp; Management 2 (ROP) Information Systems Design &amp; Mngmt (ROP)</td>
</tr>
<tr>
<td>J</td>
<td>Jazz Dance 1 [P]</td>
</tr>
<tr>
<td></td>
<td>Jazz Dance 2 [P]</td>
</tr>
<tr>
<td>L</td>
<td>Leadership</td>
</tr>
<tr>
<td>M</td>
<td>Math</td>
</tr>
<tr>
<td>P</td>
<td>PE Core Prgm -Gr9</td>
</tr>
<tr>
<td></td>
<td>PE Core Program</td>
</tr>
<tr>
<td></td>
<td>PE Weight Trainin</td>
</tr>
<tr>
<td></td>
<td>PE: Aerobics</td>
</tr>
<tr>
<td></td>
<td>PE: Athletics</td>
</tr>
<tr>
<td></td>
<td>PE: Conditioning</td>
</tr>
<tr>
<td></td>
<td>Personal Care Skil</td>
</tr>
<tr>
<td></td>
<td>Physics [P]</td>
</tr>
<tr>
<td></td>
<td>Pre-Calculus [H]</td>
</tr>
<tr>
<td></td>
<td>Probability &amp; Statistics [P]</td>
</tr>
<tr>
<td></td>
<td>Psychology [P]</td>
</tr>
<tr>
<td></td>
<td>Psychology BL [P]</td>
</tr>
<tr>
<td>R</td>
<td>Rec Living Skills</td>
</tr>
<tr>
<td>S</td>
<td>Spanish 1 [P]</td>
</tr>
<tr>
<td></td>
<td>Spanish 2 [P]</td>
</tr>
<tr>
<td></td>
<td>Spanish 3 [P]</td>
</tr>
<tr>
<td></td>
<td>Spanish 4 [H]</td>
</tr>
<tr>
<td></td>
<td>Spanish for Spanish Speakers 1 [P]</td>
</tr>
<tr>
<td></td>
<td>Spanish for Spanish Speakers 2 [P]</td>
</tr>
<tr>
<td>T</td>
<td>Theater 1 [P]</td>
</tr>
</tbody>
</table>

### PINOLE VALLEY HIGH SCHOOL

<table>
<thead>
<tr>
<th>Letter</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>U</td>
<td>US History [P]</td>
</tr>
<tr>
<td></td>
<td>US History BL [P]</td>
</tr>
<tr>
<td></td>
<td>US History SL [P]</td>
</tr>
<tr>
<td>V</td>
<td>Vocational Educ</td>
</tr>
<tr>
<td>W</td>
<td>Web Design II</td>
</tr>
<tr>
<td></td>
<td>Welding</td>
</tr>
<tr>
<td></td>
<td>Wood 1</td>
</tr>
<tr>
<td></td>
<td>World Hist SL [P]</td>
</tr>
<tr>
<td></td>
<td>World History [P]</td>
</tr>
<tr>
<td>Y</td>
<td>Yearbook</td>
</tr>
<tr>
<td>A</td>
<td>Advanced Essay [P]</td>
</tr>
<tr>
<td></td>
<td>Algebra 1 [P]</td>
</tr>
<tr>
<td></td>
<td>Algebra 2 Trig [P]</td>
</tr>
<tr>
<td></td>
<td>Algebra 2 [P]</td>
</tr>
<tr>
<td></td>
<td>Amer Govt [P]</td>
</tr>
<tr>
<td></td>
<td>American Gov [H]</td>
</tr>
<tr>
<td>B</td>
<td>Beginning Piano [P]</td>
</tr>
<tr>
<td></td>
<td>Biology 132 CCC</td>
</tr>
<tr>
<td></td>
<td>Biology [P]</td>
</tr>
<tr>
<td>C</td>
<td>Chemistry 120 CCC</td>
</tr>
<tr>
<td></td>
<td>Chemistry [P]</td>
</tr>
<tr>
<td></td>
<td>Community Intern</td>
</tr>
<tr>
<td></td>
<td>Computer Apps</td>
</tr>
<tr>
<td></td>
<td>Creative Writing [P]</td>
</tr>
<tr>
<td></td>
<td>CSU Expository Reading and Writing</td>
</tr>
<tr>
<td>D</td>
<td>Debate</td>
</tr>
</tbody>
</table>
PINOLE VALLEY HIGH SCHOOL

E
EC Sem Biology
EC Sem Chemistry
EC Sem English
EC Sem Health
EC Sem Math
EC Sem Physics
EC Sem Soc Sci
EC Sem Sr Project
EC Seminar
EC Seminar Science
Economics [P]
English 1 [P]
English 2 [P]
English 3 [P]
English 4 [P]

G
Generic Elective
Generic English [P]
Generic Math
Generic Social Sci
Geometry [P]
Gnrc Fine Arts (P)
Gnrc Sci-Life (P)
Gnrc Sci-Phys [P]
Gnrc Soc Sci [P]

H
Health Science
History 122 CCC
History of African Americans in the US
Humanities 113 CCC
Humanities 120 CCC

I
Intro to Law [P]

K
Keyboarding/Comput

L
Leadership

M
Math 135 CCC
Math 190 CCC
Math 191 CCC
Math 290 CCC
Math 292 CCC
Math Support
Mex-Amer Lit [P]

O
Oral English [P]

P
PE Core Program
PE Conditioning
PE Individual Sprt
Physics 130 CCC
Physics 230 CCC
Physics [P]
Pre-Calculus [H]
Probability & Statistics [P]
Psychology [P]

S
Skills For Success
Spanish 1 [P]
Spanish 2 [P]
Spanish 3 [P]
Speech 120 CCC
Speech 122 Contra Costa College
Study Skills

RICHMOND HIGH SCHOOL

T
Theater 1 [P]
Theater Advance [P]
Theater Production

U
US History [P]

W
World History [P]

Y
Yearbook

**A**

- Academic Tutorial
- Adv Visual Arts [P]
- Advanced Photography (ROP)
- Advanced Piano [P]
- Algebra 1 [P]
- Algebra 1 SL [P]
- Algebra 2 SL [P]
- Algebra 2 Trig [P]
- Am Sign Lang 1 [P]
- Am Sign Lang 2 [P]
- Amer Govt [P]
- American Gov SL [P]
- American Sign Language 3 [P]
- AP Biology
- AP Calculus AB
- AP Computer Science Principles [P]
- AP English Language and Composition
- AP English Literature and Composition
- AP Government & Politics United States
- AP Spanish Language
- AP Studio Art: 2-D Design
- AP Studio Art: Drawing
- AP United States History

**B**

- Band Symphonic [P]
- Begin Art [P]
- Beginning Piano [P]
- Biology [P]
- Biology Accel [P]
- Biology SL [P]
- Biomedical Science [P]

**C**

- Ceramics 1 [P]
- Chemistry [P]
- Chemistry SL [P]
- Computer Science [P] (ROP)
- Concert Band [P]
- Concert Choir [P]
- Criminal Justice
- CSU Expository Reading and Writing

**D**

- Daily Living Skill

**E**

- Economics
- Economics [P]
- ELD 1A
- ELD 1B
- ELD 2A
- ELD 2B
- ELD 3A
- ELD 4 [P]
- Eng/Read (R180)
- English 1 [P]
- English 2 [P]
- English 3 [H]
- English 3 [P]
- English I Adv [P]
- English II Adv [P]

**G**

- Generic English
- Generic Math
- Generic Science-Li
- Generic Science-Physical
- Generic Social Sci
- Geometry [P]
- Geometry SL [P]
- Gnrc Elective [P]
- Guitar Advanced [P]
- Guitar Beginning [P]

**H**

- Human Body Systems (PLTW) (ROP)

**I**

- Intro to Law [P]
- Intro to Engineering Design (PLTW) [P]

**J**

- Jazz Ensemble [P]

**L**

- Latin 1 [P]
- Latin 2 [P]
- Latin 3 [P]
- Law & Justice [P]
RICHMOND HIGH SCHOOL

Law Enforcement Careers ROP
Leadership

M
Medical Interventions (PLTW)

P
PE Core Prgm -Gr9
PE Sports Non-Cont
PE Weight Trainin
PE: Bowling
PE: Conditioning
Photography [P]
Physics [H]
Physics [P]
Pre-Calculus [H]
Pre-Calculus [P]
Principles of Engineering (PLTW)
Principles of the Biomedical Sciences
Probability & Statistics [P]
Psychology [P]
Publications

SYLVESTER GREENWOOD ACADEMY

S
Show Choir [P]
Spanish 1 [P]
Spanish 2 [P]
Spanish 3 [P]
Spanish 4 [H]
Sports Medicine (ROP)

T
Theater 1 [P]
Theater 2 [P]
Theater Advance [P]
Tutorial

U
US History
US History [P]
US History SL [P]

W
Work Experience
World Hist SL [P]
World History [P]

A
Adaptive Phys Ed
Advanced Essay [P]
Advanced Media Communication [P]
Advanced Photography (ROP)
African Am Lit [P]
Algebra 1 [P]
Algebra 1 BL [P]
Algebra 2 BL
Algebra 2 SL [P]
Algebra 2 Trig [P]
Amer Govmt BL [P]
Amer Govt [P]
American Gov SL[P]
Analytical Forensic Science [P]
AP Biology
AP Calculus AB
AP Chemistry
AP English Language and Composition
AP English Literature and Composition
AP Environmental Science
AP Government & Politics United States

VISTA HIGH SCHOOL

AP Human Geography
AP Macroeconomics
AP Microeconomics
AP Spanish Language
AP United States History
AP World Hist
Art Advanced [P]
Art of Video Production (ROP)

B
Band Beginning
Band Symphonic [P]
Begin Art [P]
Biology SL [P]
Biology [P]
Biomedical Science [P]
LIST OF COURSE OFFERINGS
## CONTENT SUBJECT AREAS

### CAREER TECHNOLOGY EDUCATION

#### Auto Technology (ROP)
**Course ID #**: 4840R  
**Grades**: 10-12 (must be 16 years of age or older)  
**Course Length**: Year  
**Graduation**: Satisfies elective requirement for WCCUSD graduation  
**Description**: This course prepares students for entry-level employment and provides the knowledge and skills required to enter into advanced training in the automotive field. The course includes engine repair, fuel delivery systems, wheel alignment, computer control, air conditioning, electrical systems, brake service and repair, front-end repair, diagnostic equipment, and technical reading and writing.

#### Advanced Auto Technology (ROP)
**Course ID #**: 4840R  
**Grades**: 10-12 (must be 16 years of age or older)  
**Course Length**: Year  
**Graduation**: Satisfies elective requirement for WCCUSD graduation  
**Description**: This course prepares students by following Automotive Service Excellence (ASE) guidelines and includes engine repair, fuel delivery systems, wheel alignment, computer control, air conditioning, electrical systems, brake service and repair, front end repair, diagnostic equipment, and technical reading and writing.

#### Computer Applications
**Course ID#**: 30950  
**Grades**: 10-12  
**Course Length**: Year  
**Graduation**: Satisfies elective requirement for high school graduation  
**Description**: Computer Applications is a hands-on introduction to computer hardware and software that focuses on the Microsoft Office Suite (word processing, spreadsheets, and databases). Class assignments are focused directly on keyboard performance, basic desktop publishing tasks and expectations that students may encounter in the classroom and workplace.

#### Computer Programming (ROP)
**Course ID #:**: 3055R  
**Grades**: 11-12  
**Course Length**: Year  
**Graduation**: Satisfies elective requirement for high school graduation  
**Description**: Students learn object-oriented programming language. Instruction includes problem-solving and algorithm development, as well as data structures and design. This course is designed to provide the skills for an entry-level position in computer programming or provide a foundation for further studies in computer science at the college level.

#### Computer Science [P]
**Course ID#**: 30400  
**Meets the UC/CSU (g) requirement**

#### Digital Arts Web Design 1 (ROP)
**Course ID#**: 2117R  
**Meets the UC/CSU (f) requirement**

### Graduation

#### Construction Technology (ROP)
**Course ID #**: 21230  
**Grades**: 10-12 (must be 16 years of age or older)  
**Course Length**: Year  
**Graduation**: Satisfies elective requirement for WCCUSD graduation  
**Description**: Students will have hands-on opportunities to learn all phases of basic residential construction, including carpentry, drawing and reading blueprints, drywall, electrical, flooring, painting, plumbing, roofing, tile setting, and welding. Students will make practical application at a field-site construction project.

#### Construction Technology (ROP)
**Course ID #**: 2123R  
**Grades**: 10-12 (must be 16 years of age or older)  
**Course Length**: Year  
**Graduation**: Satisfies elective requirement for WCCUSD graduation  
**Description**: Students will have hands-on opportunities to learn all phases of basic residential construction, including carpentry, drawing and reading blueprints, drywall, electrical, flooring, painting, plumbing, roofing, tile setting, and welding. Students will make practical application at a field-site construction project.

#### Digital Photography ROP)
**Course ID#**: 8271R  
**Grades**: 11-12  
**Course Length**: Year  
**Graduation**: Satisfies UC/CSU and high school fine arts requirement for graduation  
**Description**: Photography allows students to increase their visual perceptions and provides a medium for creative expression. Students will use software programs to create artful digital images and they will learn the history of photography and the use of digital images in advertising and commercials. They will also critique and create a portfolio.

#### Digital Arts Web Design 1 (ROP)
**Course ID#**: 2117R  
**Meets the UC/CSU (f) requirement**  
**Grades**: 11-12  
**Course Length**: Year  
**Graduation**: Satisfies UC/CSU and high school fine arts requirement for graduation  
**Description**: Digital Arts: Designs for the Web 1 is a college preparatory course integrating the California Visual and Performing Arts Standards. This sequence of classes will enable students to achieve an understanding and appreciation of artistic expression and be able to use that expression to enhance
communication. Students will create original digital art using new and contemporary media techniques. Outside research is part of the curriculum. Students are required to critique their work and the works of others and maintain portfolios of their artwork and writing. Integrated throughout the course are career preparation standards as well as visual art and academic standards.

**Digital Art, Design for the Web 1 [P]**
Course ID# 24900
Meets the UC/CSU (f) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: Digital Arts: Designs for the Web 1 is a college preparatory course integrating the California Visual and Performing Arts Standards. This sequence of classes will enable students to achieve an understanding and appreciation of artistic expression and be able to use that expression to enhance communication. Students will create original digital art using new and contemporary media techniques. Outside research is part of the curriculum. Students are required to critique their work and the works of others and maintain portfolios of their artwork and writing. Integrated throughout the course are career preparation standards as well as visual art and academic standards.

**Human Body Systems (PLTW)(ROP)**
Course ID # 6765R
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU (d) and high school requirement for graduation.
Description: This course prepares students for entry-level positions in the Bio-Medical Sciences and training in Human Anatomy and Human Body Systems. Students examine the interaction of body systems and design experiments, and investigate the structures and functions of the human body.

**Internet Engineering 1 [P]**
Course ID# 24805
Meets the UC/CSU (g) requirement
Grades: 11
Course Length: Year
Graduation: Satisfies UC/CSU and high school elective requirement for graduation.
Description: This course engages students with studies of the history and implications of network communications; the protocols which make the Internet possible; how networks provide access to services; and college and career preparation in the ICT field. This course integrates the theory and application of network communications, and exposes students to media that invites them to consider how Internet engineers think, design, and solve problems. Students have several opportunities to produce college-ready writing, collaborate, research, develop study skills and develop 21st century skills in this course.

**Medical Careers P]**
Course ID# 23990
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU (g) category and high school elective requirement for graduation
Description: Students learn about the structure and function of human systems in health and disease, human inheritance and change, and the role of humans in ecological systems. They develop problem-solving skills as they design and conduct their own experiments and develop critical-thinking skills through research and discussion about issues related to the health industry and community health.

**Medical Interventions (PLTW)**
Course ID# 2273R
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU (d) and high school science requirement for graduation
Description: This course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail.
Multimedia [P]
Course ID# 22571
Meets the UC/CSU (f) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU fine arts and high school arts requirement for graduation
Description: Students will acquire knowledge and skills in graphic development and manipulation, basic video and desktop multimedia production, project planning, beginning web design, animation, interactive authority and critical analysis of student and professional multimedia work. Students will learn to create multimedia stories, messages and imagery using (and combining) film, text, visual effects, graphics, animation, special effects, and sound.

Sports Medicine (ROP) [P]
Course ID#6570R
Meets the UC/CSU (g) requirement
Grades: 11-12
Course Length: Year
Prerequisite: Grade "C" or better in 9th grade P.E. Core
Graduation: Satisfies elective requirement for high school graduation and UC/CSU
Description: This course is designed to explore human anatomy and physiology, and lays the foundations for further study of these sciences. Students learn how systems of the body function and interact through physical activity and develop a thorough understanding of the structure and function of the musculoskeletal system. This knowledge serves as a platform for understanding the physiological response to injury and improving performance.

Art of Video Production (ROP)
Course ID# 2015R
Grades: 12
Course Length: Year
Graduation: Satisfies high school elective requirement for graduation
Description: Students acquire the visual arts skills to create quality video productions. There will be an emphasis on the uses of communication (speech, language, and writing) and organizational skills. The course includes aesthetics, cultural aspects and the history of television and video production. The course begins with a comparison of the mediums of film, television and video. Students learn the basic skills to produce their own videos and then take an in-depth look at the nature of video communication. After exploring aspects of pre-production and script writing, students learn more complex skills associated with camera-work, lighting, and sound. They study the arts of directing and editing, applying them to produce a variety of projects for the teacher, themselves and the school.

Welding (ROP)
Course ID # 2275R
Grades: 10-12 (must be 16 years of age or older)
Course Length: Year
Graduation: Satisfies elective requirement for WCCUSD graduation
Description: This is an entry level Chevron sponsored Welding course covering four processes. The four processes are oxy-acc, smaw welding, mig welding and tig welding. The students will learn to dress with the appropriate clothing, observe safety procedures, and how to adjust the machines to correct temperatures. They will also learn how to join two pieces of metal together and build small projects. At the end of the course, students with passing scores will receive a Certificate of Completion. Students may apply for entry level welding jobs in the industry with this Certificate of completion. After completion of this course, students are eligible to join welding unions such as Boiler Makers Welding, Pipe-Fitters and Steam-Fitters.

Wood 1
Course ID# 50200
Grades: 9-12
Course Length: Year
Graduation: Satisfies WCCUSD elective credit for graduation from high school
Description: Students will have hands-on opportunities to learn all phases of basic wood working techniques and tools. Basic carpentry skills and safety procedures will be taught through assigned projects.

Yearbook
Course ID# 83600
Grades: 10-12
Course Length: Year
Graduation: Satisfies WCCUSD elective credit for graduation
Description: A two-dimensional art class. Students enrolled in Yearbook Design create and produce the school annual. The student staff is responsible for publishing, planning, writing, editing copy, designing and photographing pages, and obtaining funding through book and advertising sales.

ENGLISH AND LANGUAGE ARTS

African American Literature [P]
Course ID# 34600
Meets the UC/CSU (b) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies one year of the English requirement for high school graduation
Description: This course is an introductory survey of African American texts beginning with African mythology and ending with Post Modern African American texts. Its focus is on written and oral response to texts in the form of analysis, reflection, exposition, and narrative. Students must read and respond to as well as create texts which reflect the African American literary tradition; including but not limited to, oral histories, poetry, fables, epics, narratives, biography, autobiographies, short stories, fiction, drama and narrative non-fiction.

English 1 [P]
Course ID# 34900
Meets the UC/CSU (b) requirement
Grades: 9
Course Length: Year
Graduation: Satisfies one year of the English requirement for high school graduation as well as UC/CSU requirement
Description: Students demonstrate their ability to read major literary works at a college preparatory level. They will also
demonstrate their writing, vocabulary and language skills
(sentence structure, paragraphing and punctuation) largely in
the context of literature and student writing.

**English I Advanced [P]**

Course ID# 38700
Meets the UC/CSU (b) requirement
Grades: 9
Course Length: Year
Graduation: Satisfies one year of the English requirement for high school graduation as well as UC/CSU requirement
Description: This course is more rigorous than the English 1 [P] class. Students have more extensive reading assignments that include major works of literature. Students demonstrate their ability to read major literary works at an accelerated, college preparatory level. They will also demonstrate their writing, vocabulary and language skills (sentence structure, paragraphing and punctuation) largely in the context of literature and student writing.

**English 2 [P]**

Course ID# 35100
Meets the UC/CSU (b) requirement
Grades: 10
Course Length: Year
Graduation: Satisfies one year of the English requirement for high school graduation as well as UC/CSU requirement
Description: Students demonstrate their ability to read important world literature, as well as literature from our own period and culture, at a college preparatory level. Students use classic and contemporary literature as vehicles for understanding our own period, values and cultures. Through discussions, oral presentations, journal entries and papers, students also demonstrate knowledge of literary terms and techniques, as well as the principles of composition and language study (sentence structure, mechanics and punctuation)

**English II Advanced [P]**

Course ID# 38800
Meets the UC/CSU (b) requirement
Grades: 10
Course Length: Year
Graduation: Satisfies one year of the English requirement for high school graduation as well as UC/CSU requirement
Description: This course is more rigorous than the English 2 [P] class. Students enrolled in this class will read major works of literature that will prepare them in grade 11 to take an Honors level class. Full works of literature are included in addition to anthology assignments. Students demonstrate their ability to read important world literature, as well as literature from our own period and culture, at a college preparatory level. Students use classic and contemporary literature as vehicles for understanding our own period, values and cultures. Through discussions, oral presentations, journal entries and papers, students also demonstrate knowledge of literary terms and techniques, as well as the principles of composition and language study (sentence structure, mechanics and punctuation). Students will demonstrate their ability to work independently and be self-motivated.

**English 3 [P]**

Course ID# 35400
Meets the UC/CSU (b) requirement
Grades: 11
Course Length: Year
Graduation: Satisfies one year of the English requirement for high school graduation as well as UC/CSU requirement
Description: This college preparatory requirement introduces students to a survey of American Literature and traditions. The course incorporates literature based writing, vocabulary and development and language study through some of the major works in American Literature.

**English 3 [H]**

Course ID# 35300
Meets the UC/CSU (b) requirement
Grades: 11
Course Length: Year
Graduation: Satisfies one year of the English requirement for high school graduation as well as UC/CSU requirement
Description: This class is designed for those students who plan to attend a four-year college or university and recommended for those who plan to take an English Advanced Placement class during their senior year. Students read a minimum of eight full-length works of literature and will write extensively.

**English 4 [P]**

Course ID# 35600
Meets the UC/CSU (b) requirement
Grades: 12
Course Length: Year
Graduation: Satisfies one year of the English requirement for high school graduation as well as UC/CSU requirement
Description: This college preparatory requirement introduces students to a variety of American Literature and themes and incorporates literature based writing, vocabulary development and language study through some of the major American and Cultural Classics. Students will study social events, which have influenced the American Dream, and also read works that coordinate with issues taught in U.S. History.

**AP English Language and Composition**

Course ID# 36000
Meets the UC/CSU (b) requirement
Grades: 11/12
Course Length: Year
Graduation: Satisfies one year of the English requirement for high school graduation as well as UC/CSU requirement
Description: This course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. This course allows students to write in a variety of forms, narrative, exploratory, expository, argumentative—and on a variety of subjects from personal experience to public policies, from imaginative literature to popular culture. Students will write effectively and confidently. The curriculum follows the rigorous demands of the College Board.
**AP English Literature and Composition**

Course ID # 36100  
Meets the UC/CSU (b) requirement  
Grades: 12  
Course Length: Year  
Graduation: Satisfies one year of the English requirement for high school graduation as well as UC/CSU requirement  
Description: Students engage in the careful reading and critical analysis of imaginative literature. They deepen their understanding of the ways writers use language to provide both meaning and pleasure to their readers. Students consider a work of literature’s structure, style and theme, figurative language, imagery, symbolism and tone. The course is both wide and deep in the analysis of literature. From 16th to 20th century works of literature will be analyzed to explore multiple genres, periods and culture. The curriculum follows the rigorous demands of the College Board.

**Mexican-American Literature [P]**

Course ID # 37100  
Meets the UC/CSU (b) requirement  
Grades: 11-12  
Course Length: Semester  
Graduation: Satisfies English UC/CSU requirement and high school elective requirement  
Description: This course surveys the history, art and oral traditions of Mexican, Mexican American and Latino cultures through the lens of literature. Course will include literary techniques, modes of expression, trends in Chicano/Latino creativity and will expose students to the richness and diversity that Mexican-American and other Latino cultures have to offer.

**ENGLISH ELECTIVE CLASSES**

**Advanced Essay [P]**

Course ID # 34000  
Meets the UC/CSU (b) requirement  
Grades: 11-12  
Course Length: Year  
Graduation: Satisfies one year of the English requirement for high school graduation as well as UC/CSU requirement  
Description: Students will work to develop skills in the writing of critical essays and analysis of literature. This is a high school level course to prepare students for the type of writing they will be required to do in college courses.

**Creative Writing [P]**

Course ID # 34700  
Meets the UC/CSU (g) requirement  
Grades: 9-12  
Course Length: Year  
Graduation: Satisfies elective requirement for high school graduation as well as UC/CSU elective requirement  
Description: Students will study aspects of writing in journals, memoir writing, writing poetry, short stories, drama and creative non-fiction. Students will read extensively in all of these genres and write creatively in each genre. Students will explore writing and the arts in the community at large by attending poetry readings, dramatic productions and short story readings.

**English Reading (Read 180)**

Course ID #36250 Middle School Only  
Course ID # 36200 High School Only  
Grades: 9-12  
Course Length: Year  
Graduation: Satisfies elective requirement for high school graduation.  
Description: Read 180 is a state-approved, research-based, and research-validated reading intervention program. The program serves as an intervention for students who are 2 or more years below in their reading level and is primarily aimed at developing vocabulary, fluency, and comprehension.

**CSU Expository Reading/Writing—CS [P]**

Course ID # 38900  
Meets the UC/CSU (b) requirement  
Grades: 12  
Course Length: Year  
Graduation: Satisfies one year of the English requirement for high school graduation as well as UC/CSU requirement  
Description: The goal of the Expository Reading and Writing Course is to prepare college-bound seniors for the literacy demands of higher education. Through a sequence of fourteen rigorous instructional modules, students in this yearlong, rhetoric-based course develop advanced proficiencies in expository, analytical, and argumentative reading and writing. The cornerstone of the course—the assignment template—presents a process for helping students read, comprehend, and respond to non-fiction and literary texts. Modules also provide instruction in research methods and documentation conventions. Students will be expected to increase their awareness of the rhetorical strategies employed by authors, and to apply those strategies in their own writing. They will read closely to examine the relationship between an author’s argument or theme and his or her audience and purpose, to analyze the impact of structural and rhetorical strategies, and to examine the social, political, and philosophical assumptions that underlie the text. By the end of the course, students will be expected to use this process independently when reading unfamiliar texts and writing in response to them. Course texts include contemporary essays, newspaper and magazine articles, editorials, reports, biographies, memos, assorted public documents, and other non-fiction texts.

**Journalism 1 [P]**

Course ID # 36710  
Meets the UC/CSU (g) requirement  
Grades: 9-12  
Course Length: Year  
Graduation: Satisfies UC/CSU and high school elective requirements for graduation.  
Description: The course is a survey of the basic concepts of reporting, as well as a hands-on experience in the process of producing a newspaper, serving as a prerequisite to Journalism II. Journalism implements a Common Core framework while engaging students and applying the skills behind the framework. Students will be trained in the best practices of print and online journalism in the areas of reporting and editing with an emphasis...
on news writing, sports writing, opinion writing and AP style through an intensive study.

**Journalism 2 [P]**
Course ID# 36710
Meets the UC/CSU (g) requirement
Grades: 11-12
Course length: Year
Graduation: Satisfies UC/CSU and high school elective requirements for graduation
Description: The course is designed to continue the study of journalism that was begun in Journalism 1. It will teach students to be consumers of media and to understand and perform news-gathering and production. They will be exposed to more advanced news, feature, sports, opinion and editorial writing, reporting, interviewing and editing. The course will deepen their understanding of journalism in modern American life and its implications to American and global society.

**Oral English [P]**
Course ID# 37500
Meets the UC/CSU (g) requirement
Grades: 10-12
Course length: Year
Graduation: Satisfies UC/CSU and high school elective requirements for graduation
Description: This course is an English elective that enables students to develop competence and confidence in their speaking skills. Debate, argumentative advocacy, expository, declamatory, and descriptive speeches are some of the speech styles that will be taught to the students. Students will prepare presentations that range in length from three to ten minutes. Presentations are based on written work derived from research on topics specified by the instructor or determined by national, state or local speech association contests and debates. A two-tournament participation in local debate and speech contests is required of all students. Students may take this course for one or two years, during which they will continue to develop their speaking skills and participate in competitions.

**ELD - ENGLISH LANGUAGE DEVELOPMENT**

**English Language Development (ELD 1A, 2A, 3A)**
Course ID# 13100
Course ID# 13300
Course ID# 13510
Grades: 9-12
Course Length: Year
Graduation: Satisfies WCCUSD graduation requirement for English credit
Description: Intended for non-English or limited-English speaking students. This course develops students’ abilities to use English as their everyday means of communication. It consists of speaking, reading, and writing English based on daily experiences. Taken concurrently with ELD 1B, 2B, 3B.

**English Language Development Reading (ELD 1B, 2B, 3B)**
Course ID# 13200
Course ID# 13400
Course ID# 13520
Grades: 9-12
Course Length: Year
Graduation: Satisfies WCCUSD graduation requirement for English credit
Description: Intended for those who need additional language instruction. This course follows the main sequential skills of reading with an emphasis on second language acquisition. Vocabulary development and conversation are stressed. Taken concurrently with ELD 1A, 2A, or 3A

**English Language Development (ELD 4) [P]**
Course ID# 13530
Meets the UC/CSU (b) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school English requirement for graduation
Description: Intended for limited-English speaking students. This course develops abilities to read and write English as an everyday communication. It consists of learning to write using proper sentence structure.

**MATHEMATICS**

Mathematics is offered in three college preparatory sequences. Generally, students take a four-year sequence that fulfills the entrance requirements to both UC/CSU systems.

For those beginning this sequence in the 9th grade, the courses taken are Algebra 1, Geometry, Algebra 2 or Algebra 2/Trigonometry, and Pre-Calculus. Students who completed Algebra 1 prior to entering the 9th grade are encouraged to take a sequence of classes that prepares them for the Calculus Advanced Placement exam as seniors. Those who do well on this test receive a year of credit at most colleges. For those beginning this sequence in the 9th grade, the courses taken are Geometry [P], Algebra 2/Trigonometry [P], Pre Calculus [H] and Calculus [AP].

**Algebra I [P]**
Course ID# 51000
Meets the UC/CSU (c) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies one year of the math requirement for both UC/CSU and high school graduation
Description: This is a first year algebra course in which students will learn how to solve problems with the first semester focused on linear equations and constant rates of change followed by problems that involve quadratic functions and systems of linear equations. They will use reasoning skills, their knowledge of properties of numbers, inverse operations, graphing and other algebraic techniques to solve linear equations and quadratic equations, as well as connect those solutions to their corresponding graphs. Students will know that functions have multiple representations: a set of points, a graph, an equation, and a situation. The course also includes exponents, polynomial arithmetic, rational expressions and ratio and proportion.

**Geometry [P]**
Course ID# 51800
Meets the UC/CSU (c) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies one year of the math requirement for both UC/CSU and high school graduation
Description: This course focuses on problem solving within the setting of Euclidean and coordinate geometry. Important skills and concepts include: angle relationships within plane figures and those of lines cut by a transversal; distance, area, surface area and volume; triangle similarity and proportion; similarity and congruence of polygons; and transformations. Students will learn the subtleties of the Pythagorean Theorem through its proof and applications. They will learn and apply right triangle trigonometry. Students will develop their ability to construct and articulate logical, convincing arguments that includes a facility with formal proof and deductive reasoning, and recognizing the patterns of inductive reasoning.

Algebra 2 [P]
Course ID# 51150
Meets the UC/CSU (c) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies one year of the math requirement for both high school graduation and UC/CSU math requirement.
Description: This is a course that completes all topics of second-year Algebra: linear functions, systems of linear equations and inequalities, quadratic functions and complex numbers, exponential and logarithmic functions, rational and irrational algebraic functions, quadratic relations, higher degree functions and polynomials, sequences and series, introduction to probability and statistic. The course includes mathematical modeling of real-world problems. Appropriate technology: graphing calculators, and computer software, is used to further explore and deepen mathematical understanding of concepts presented by the course.

Algebra 2/Trigonometry [P]
Course ID# 51100
Meets the UC/CSU (c) requirement
Grades: 10-11
Course Length: Year
Graduation: Satisfies one year of the math requirement for both UC/CSU and high school graduation
Description: This is a course that completes all topics of second-year Algebra: linear functions, systems of linear equations and inequalities, quadratic functions and complex numbers, exponential and logarithmic functions, rational and irrational algebraic functions, quadratic relations, higher degree functions and polynomials, sequences and series, circular and trigonometric functions, introduction to probability and statistics. The course includes mathematical modeling of real-world problems. Appropriate technology: graphing calculators, and computer software, is used to further explore and deepen mathematical understanding of concepts presented by the course.

Pre Calculus [H]
Course ID# 52400
Meets the UC/CSU (c) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies one year of the math requirement for UC/CSU and high school graduation.
Description: This course will complete all topics necessary for success in Calculus: coordinate geometry, elementary functions including inverses and transformations, rational functions and their graphs, conic sections including rotation of axes, exponential and logarithmic functions including growth and decay and Gaussian models, all topics from the trigonometry framework including graphing trigonometric functions and their inverses, composition of trigonometric functions, polar coordinates, polar graphing, polar form of complex numbers, DeMoivre’s Theorem, Trigonometric identities, triangle trigonometry for right triangles and non-right triangles, sequences, series, sigma notation, proof by mathematical induction, topics in linear algebra, analytic geometry in three dimensions, and introduction to limits.

AP Statistics
Course ID# 52960
Meets the UC/CSU (c) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies one year of math requirement for both UC/CSU and high school graduation
Description: The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1) Exploring Data: Describing patterns and departures from patterns, 2) Sampling and Experimentation: Planning and conducting a study, 3) Anticipating Patterns: Exploring random phenomena using probability and simulation, and 4) Statistical Inference: Estimating population parameters and testing hypotheses.

AP Calculus AB
Course ID# 51400
Meets the UC/CSU (c) requirement
Grades: 12
Course Length: Year
Graduation: Satisfies one year of the math requirement for both UC/CSU and high school graduation
Description: The objective of this course is to provide the student with the equivalent of the first year of college mathematics. The course of study follows that of the Advanced Placement Program. Students who satisfactorily complete the course will take an Advanced Placement Examination in Mathematics, accepted by most colleges as evidence that the student has mastered the material for the first year of college mathematics and should be given credit and/or special placement in college. The course content includes the following: functions and limits, derivatives of algebraic functions, the definite indefinite integral, area, volumes of revolution, differentiation of exponential, logarithmic, trigonometric and inverse trigonometric functions, methods of integration, infinite series, simple differential equations, vectors and applications.

AP Calculus BC
Course ID# 51450
Meets the UC/CSU (c) requirement
Grades: 12
Course Length: Year
Graduation: Satisfies one year of the math requirement for both UC/CSU and high school graduation
Description: The objective of this course is to build upon the foundations provided in the Calculus (AB) course. The course is based upon the College Board’s AP Calculus curriculum and students are expected to take the Calculus AB Advanced
Placement exam. The course content is determined by the course description for Calculus BC Advanced Placement and the California Calculus Content Standards.

**ELECTIVE CLASSES- MATHEMATICS**

**Math Support 1**
Course ID# 53710
Grades: 9
Course Length: Year
Graduation: Satisfies elective requirement for high school graduation.
Description: This course for selected students is designed for students to take along with Algebra I. Students will have daily help with concepts and skills that they will study in Algebra I, prepare for tests, have help with difficult ideas, and assistance with concepts that they are expected to know for the CAHSEE. Passing Algebra I and the CAHSEE exam are requirements for earning a high school diploma.

**Probability and Statistics [P]**
Course ID#52950
Meets the UC/CSU (c) requirement
Grades: 12
Course Length: Year
Graduation: Satisfies one year of math requirement for both UC/CSU and high school graduation.
Description: This course will introduce the student to basic statistical theory. Topics such as data analysis (gathering, displaying and summarizing of data), probability (laws of chance) and statistical inference (drawing conclusions from data) Students will apply these theories to a wide variety of situations where statistics plays a crucial role in the modern world.

**PHYSICAL EDUCATION**

**Physical Education Core**
Course ID# 64600
Grades: 9
Course Length: Year
Graduation: Satisfies graduation requirement for P.E.
Description: Required for all 9th grade students. All students must pass two years of physical education before graduation. This class will cover a wide variety of team and individual sports.

**Physical Education Core**
Course ID# 64650
Grades: 10
Course Length: Year
Graduation: Satisfies graduation requirement for P.E.
Description: Required for all 10th grade students. All students must pass two years of physical education before graduation. This class will cover a wide variety of team and individual sports.

**Adaptive Physical Education**
Course ID# 64000
Grades: 9-10
Course Length: Year
Graduation: Satisfies graduation requirement for P.E.
Description: Students with IEP's that stipulate adaptive physical education may take this course instead of the regular PE required for graduation.

**Physical Education Aerobics**
Course ID# 64100
Grades: 10-12
Course Length: Year
Prerequisite: Grade ‘C’ or better in 9th grade P. E. Core
Graduation: Satisfies graduation requirement for P.E. or elective credit
Description: Cardiovascular exercises and routines which may be performed to music. The students will gain cardiovascular and muscular endurance, strength, balance, flexibility, rhythm, and timing. The course will emphasize physical fitness and weight control.

**Physical Education Sports Non-Contact**
Course ID# 65100
Grades: 9-11
Course Length: Year
Graduation: Satisfies graduation requirement for P.E. or elective requirement
Description: All students must pass two years of physical education before graduation. This class will cover a wide variety of team and individual sports.

**Physical Education Athletics**
Course ID# 64400
Grades: 10-12
Course Length: Year
Graduation: Satisfies PE or elective requirement for high school graduation.
Description: Designed to meet the needs of students who wish to develop skills in a lifetime leisure activity. Instruction and equipment will be provided.

**Physical Education Bowling**
Course ID# 65300
Grades: 10-12
Course Length: Year
Graduation: Satisfies P.E. or elective requirement for high school graduation
Description: This course will provide the student with instruction in proper methods of running, weight lifting, weight workouts, and competition lifting in the appropriate weight class.

**Physical Education: Individual Sports**
Course ID# 64900
Grades: 10-12
Course Length: Year
Graduation: Satisfies graduation requirement for P.E. or elective credit
Description: In this course, students will learn individual sports that they may use their entire life.

**Sports Medicine (ROP) [P]**
SCIENCE

Biology [P]
Course ID# 66300
Meets the UC/CSU (d) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies Life Science lab requirement for UC/CSU and high school life science requirement for graduation
Description: The study of life from the molecular level, cellular level to the whole organism. Includes the study of interactions and interrelationships of living things and their environment. This course is designed to equip the student with independent study skills and basic background to compete successfully in higher lab science courses in high school.

Biology Accelerated [P]
Course ID# 66010
Meets the UC/CSU (d) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies Life Science lab requirement for UC/CSU and high school life science requirement for graduation
Description: The course provides enhanced understanding of human biology, anatomy, and physiology and their applications in biomedical science and the role of health professionals and biomedical scientists in today's society.

Biomedical Science [P]
Course ID# 62588
Meets the UC/CSU (d) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies Life Science lab requirement for UC/CSU and high school life science requirement for graduation
Description: The study of life from the molecular level, cellular level to the whole organism. Includes the study of interactions and interrelationships of living things and their environment. This course is designed to equip the student with independent study skills and basic background

AP Biology
Course ID# 66000
Meets the UC/CSU (d) requirement
Grades: 11-12

Course ID#6570R
Meets the UC/CSU (g) requirement
Grades: 11-12
Course Length: Year
Prerequisite: Grade “C” or better in 9th grade P.E. Core
Graduation: Satisfies elective requirement for high school graduation and UC/CSU
Description: This course is designed to explore human anatomy and physiology, and lays the foundations for further study of these sciences. Students learn how systems of the body function and interact through physical activity and develop a thorough understanding of the structure and function of the musculoskeletal system. This knowledge serves as a platform for understanding the physiological response to injury and improving performance.

Chemistry [P]
Course ID# 66600
Meets the UC/CSU (d) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies Life Science lab requirement for UC/CSU and high school life science or elective requirement for graduation
Description: A college level chemistry course. Students study general chemical concepts in greater depth than in first-year chemistry, and are introduced to the most recent developments in the field. The treatment of the topics in this course is qualitatively different from that in chemistry with regard to calculations and the mathematical foundation of chemical principles. Students completing this course are encouraged to take the Advanced Placement test and will transferable college credit.

AP Chemistry
Course ID# 66700
Meets the UC/CSU (d) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies Life Science lab requirement for UC/CSU and high school physical science or elective requirement for graduation
Description: A college level chemistry course. Students study general chemical concepts in greater depth than in first-year chemistry, and are introduced to the most recent developments in the field. The treatment of the topics in this course is qualitatively different from that in chemistry with regard to calculations and the mathematical foundation of chemical principles. Students completing this course are encouraged to take the Advanced Placement test and will transferable college credit if passed at a “3” or higher.

Physics [P]
Course ID# 68700
Meets the UC/CSU (d) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies Life Science lab requirement for UC/CSU and high school physical science or elective requirement for graduation
Description: A college level chemistry course. Students study general chemical concepts in greater depth than in first-year chemistry, and are introduced to the most recent developments in the field. The treatment of the topics in this course is qualitatively different from that in chemistry with regard to calculations and the mathematical foundation of chemical principles. Students completing this course are encouraged to take the Advanced Placement test and will transferable college credit.

Physics [H]
**SCIENCE ELECTIVE CLASSES**

**Environmental Science I**
Course ID# 67210
Grades: 10-12
Course Length: Year
Graduation: Satisfies elective credit or science requirement for graduation
Description: The first of three sequential environmental science courses intended for three-year Environmental Studies Academy program. Course content and goals are integrated with the other Academy courses and covers fundamental principles of biology, chemistry and physics required in environmental science. There is an emphasis on environmental chemistry and mapping. Topics include water chemistry, soil structure, chemistry of metal refining, petroleum chemistry, and park design. Course requires off-campus field research trips including field investigations of Pinole Creek.

**Environmental Science II [P]**
Course ID# 67230
Meets UC/CSU (d) requirement
Grades: 11
Course Length: Year
Graduation: Satisfies Physical Science or Life Science lab requirement for UC/CSU and high school science requirement for graduation
Description: A continuation of Environmental Science I, this course is intended for the three-year Environmental Studies Academy program. The course content and goals are integrated with the other courses in the Academy. Although many principles of biology, chemistry and physics are covered, this course offers a concentration on the fundamental principles of ecology. Topics include community structure, biodiversity, energy flow and pyramids, and ecological productivity. This course requires several off campus field trips, including field investigations of Pinole Creek and Wetlands.

**AP Environmental Science**
Course ID# 67250
Meets UC/CSU (d) requirement
Grades: 12
Course Length: Year
Graduation: Satisfies Physical Science or Life Science lab requirement for UC/CSU and high school science requirement for graduation
Description: Designed to be equivalent to a one-semester, introductory college course in environmental science enabling students to undertake, as first-year college students, a more advanced study in environmental science, or to fulfill a basic requirement for a laboratory science. Provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world; to identify and analyze environmental problems both human-made and natural; to evaluate the relative risks associated with these problems; and to examine alternative solutions for resolving and for preventing them. There is a student designed, year-long project that requires a strong laboratory and field investigation component. The course is integrated with other Academy courses. Priority given to students enrolled in the Academy for placement into Environmental Science 3 AP.

**Physiology [P]**
Course ID# 68800
Meets the UC/CSU (d) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies Life Science lab requirement for UC/CSU and high school science graduation requirement
Description: A detailed study of the functions of the human body that includes the study of cell structure and specialization, the skeletal system, muscles, nervous system, digestion, respiration, circulation, the skin, excretion, endocrine system, reproduction and heredity, including the latest information on the structure and function of DNA. There will be extensive lab work in animal dissection and microscopic investigation.

**SOCIAL SCIENCE**

**Foundations: Cultural Geography [P]**
Course ID# 75360
Meets the UC/CSU (a) requirement
Grades: 9
Course Length: Year
Graduation: Satisfies UC/CSU and high school social science requirement for graduation
Description: An in depth examination of the interchanges among members of various cultures who have settled in the Bay Area from early times to today. The course builds upon the identities of the students in the high schools and supports them in understanding self and others. The course builds upon the ideas and academic standards found in the History/Social Science State framework (9th grade electives section) as well as the California standards for Historical and Social Science Analysis Skills. Students will better understand the world’s cultural geography through looking at major waves of immigration in the Bay Area.

**World History [P]**
Course ID# 75900
Meets the UC/CSU (a) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies the requirement for UC/CSU and high school requirement for graduation
Description: Survey of the history of the world, its civilizations,
people, geography, and development, beginning with the Renaissance. Emphasis is on modern times and the origins and roots of current situations and problems. This class meets the California State Framework for Social Science.

**AP World History**  
Course ID# 75960  
Meets the UC/CSU (a) requirement  
Grades: 10-12  
Course Length: Year  
Graduation: Satisfies the requirement of UC/CSU and high school World History requirement for graduation  
Description: This course follows the Advanced Placement guidelines and curriculum. Extensive reading and research is required. Survey of the history of the world, its civilizations, people, geography, and development, beginning with the Renaissance. Emphasis is on modern times and the origins and roots of current situations and problems. This course will include rigorous reading and writing assignments and should be taken by students who plan on taking AP US History and AP American Government.

**U.S. History [P]**  
Course ID# 75600  
Meets the UC/CSU (a) requirement  
Grades: 11  
Course Length: Year  
Graduation: Satisfies the U.S. History requirement for UC/CSU and U.S. History requirement for graduation  
Description: An overview of American history with emphasis on significant people, groups, institutions, events, and places from the post-Civil War period to the present, and follows the California State Framework for Social Science.

**AP U.S. History**  
Course ID# 75500  
Meets the UC/CSU (a) requirement  
Grades: 11-12  
Course Length: Year  
Graduation: Satisfies the U.S. History requirement for UC/CSU and high school social science requirement for graduation  
Description: Covers American history from colonial times to the present. In-depth reading in American history with written book reviews, practice essays and lectures designed to prepare students to take the Advanced Placement Exam.

**American Government [P]**  
Course ID# 72800  
Meets the UC/CSU (a) requirement  
Grades: 12  
Course Length: Semester  
Graduation: Satisfies the American Government requirement for UC/CSU and high school American Government requirement for graduation  
Description: A one semester course on the American system of government, beginning with theoretical foundations, comparative political systems and historical origins. Basic units will include the study of the executive, legislative and judicial branches, the American political process, civil rights, domestic issues, international problems, and state, county and local governments and follows the California State Framework for Social Science. This class is paired with Economics in the alternate semester.

**American Government [H]**  
Course ID# 72700  
Meets the UC/CSU (a) requirement  
Grades: 12  
Course Length: Semester  
Graduation: Satisfies the American Government requirement for UC/CSU and high school American Government requirement for graduation  
Description: A one semester course on the American system of government, beginning with theoretical foundations, comparative political systems and historical origins. Basic units will include the study of the executive, legislative and judicial branches, the American political process, civil rights, domestic issues, international problems, and state, county and local governments and follows the California State Framework for Social Science. This class is paired with Economics in the alternate semester. This course meets the University of California honors requirements.

**AP Government and Politics United States**  
Course ID# 72850  
Meets the UC/CSU (a) requirement  
Grades: 12  
Course Length: Semester  
Graduation: Satisfies the American Government requirement for UC/CSU and high school social science requirement for graduation  
Description: An in-depth survey of the structure and functions of federal, state, and local governments, including extended units on constitutional underpinnings of US democracy; political beliefs and behavior, political parties and interest groups; Congress; the federal branches of government; civil rights; and other government issues and arenas. Designed to prepare students for the Advanced Placement examination in American Government.

**Economics [P]**  
Course ID# 74000  
Meets the UC/CSU (g) requirement  
Grades: 12  
Course Length: Semester  
Graduation: Satisfies the Economics requirement for high school and UC/CSU elective requirement  
Description: A study of the principles of economics. Students will explore how our limited resources are used to satisfy wants, how goods and services are produced and distributed, and how the economic system of the United States compares with other systems. This class is paired with American Government in the alternate semester.

**AP Economics Micro**  
Course ID# 73850  
Meets the UC/CSU (g) requirement  
Grades: 11-12  
Course Length: Semester  
Graduation: Satisfies the Economics requirement for high school and UC/CSU elective requirement  
Description: This is a semester course covering Microeconomics. The course is designed to prepare the students to take the AP Exam in May. The class follows the curriculum of the college board AP schedule and all teachers of the course have been
trained by the College Board institutes. Students complete a rigorous level of coursework with past AP free response questions, multiple choice exams and economic activities. Macroeconomics is taken in the next semester.

**AP Economics Macro**  
Course ID# 73800  
Meets the UC/CSU (g) requirement  
Grades: 11-12  
Course Length: Semester  
Graduation: Satisfies the Economics requirement for high school and UC/CSU elective requirement  
Description: This is a semester course covering Macroeconomics. The course is designed to prepare the students to take the AP Exam in May. The class follows the curriculum of the college board AP schedule and all teachers of the course have been trained by the College Board institutes. Students complete a rigorous level of coursework with past AP free response questions, multiple choice exams and economic activities. Students take this course in the second semester after completing Microeconomics.

**Journey for Justice in America (UCCI)**  
Course ID# 82750  
Meets the UC/CSU (a) requirement  
Grades: 11-12  
Course Length: Semester  
Graduation: Satisfies the American Government requirement for high school and UC/CSU elective requirement  
Description: This course is designed to provide students with the necessary skills and content knowledge in American Government to pursue a career in the government services and legal sectors, as well as become informed, active citizens in their respective communities. Students will understand the principles on which the United States was founded, the structure of government at the federal, state and local levels, the individual and civil liberties needed to maintain a democratic society, and the way in which order is maintained through law enforcement and the judiciary.

**U.S. History & Public Health [H]**  
Course ID# 75690  
Meets the UC/CSU (a) requirement  
Grades: 11-12  
Course Length: Year  
Graduation: Satisfies the American Government requirement for high school and UC/CSU elective requirement  
Description: The purpose of this course is to analyze the significant periods of U.S. history while building and establishing a foundation of practical knowledge in healthcare applications. Students will study thematic events in history as a pathway to understand the context and scope of public health on both individual level and within the public sector.

**ELECTIVE CLASSES- SOCIAL SCIENCE**

**AP Psychology [P]**  
Course ID# 75505  
Meets the UC/CSU (g) requirement  
Grades: 10-12  
Course Length: Year  
Graduation: Satisfies the elective requirement for UC/CSU and high school graduation  
Description: This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psycholog

**Intro to Law [P]**  
Course ID# 73450  
Meets the UC/CSU (g) requirement  
Grades: 10-11  
Course Length: Year  
Graduation: Satisfies UC/CSU and high school elective requirements for graduation  
Description: This course introduces students to legal concepts, principles and procedures. The course is designed to provide students with an understanding of the structure of the U.S. legal system including the role of the judicial, legislative and executive branches; the history of law in the United States; the role of attorneys, law enforcement and other legal professionals; categories of law; litigation principles; and alternative dispute resolution. The course involves substantial reading and writing. Students also participate in trial simulations, debates and have opportunities to work with legal professionals.

**Leadership**  
Course ID# 74600  
Grades: 9-12  
Course Length: Year  
Graduation: Satisfies elective credit for high school graduation  
Description: Leadership students distinguish themselves by their desires to be involved in school community activities and to have an impact on their society. Besides initiating, coordinating, and evaluating school activities and community projects, students also develop leadership skills in communication, decision-making, time management, goal setting, leadership styles, conflict management, team building, and delegation of duties. District and league exchange days with other schools are planned.

**Law and Justice [P]**  
Course ID# 74550  
Meets the UC/CSU (g) requirement  
Grades: 10-12  
Course Length: Year  
Graduation: Satisfies elective credit for UC/CSU and high school graduation  
Description: This is the study of the history and philosophy of justice as it has evolved throughout the world as well as an in-depth study of the American justice system and its various sub-systems. The course covers the interrelationships of criminal justice agents and their relationships in society; concepts of crime causation, punishments, and rehabilitation; ethics, education; and training for professionalism in the social system.

**Psychology [P]**  
Course ID# 75000  
Meets the UC/CSU (g) requirement  
Grades: 10-12  
Course Length: Year  
Graduation: Satisfies the elective requirement for UC/CSU and high school graduation  
Description: This course is a general introduction to the science
of human behavior with focus on the individual. The course considers personality, growth and development, classic theories (Freud, Adler, Rogers, etc.) and psychological disorders. Emphasis will be placed on classroom experiments and project-based learning.

**World War II [P]**
Course ID # 76100
Meets the UC/CSU (g) requirement
**Grades:** 10-12
**Course Length:** Year
**Graduation:** Satisfies UC/CSU and high school fine arts requirement for graduation
**Description:** This course teaches the history of World War II through a variety of teaching methods, including guest speakers, films, eyewitness oral histories, maps, slides, debates, a mock war crimes trial, and a powerful simulation about the Holocaust. The focus of the course is to analyze the extent of how moral character and conduct affected the history of events from 1914 to 1950.

### VISUAL AND PERFORMING ARTS

**Art of Video Production (ROP)**
Course ID# 2015R
Meets the UC/CSU (f) requirement
**Grades:** 9-12
**Course Length:** Year
**Graduation:** Satisfies UC/CSU and high school fine arts requirement for graduation
**Description:** This course allows students to compare the media of film, television, and video including aesthetics, cultural aspects, and history. Students develop skills to produce their own videos, and take an in-depth look at the nature of video communication, exploring aspects of pre-production and post-production, script writing, camera–work, lighting and sound. They utilize skills in directing and editing to produce a variety of projects, including school newscasts, documentaries, and video productions.

**Beginning Art [P]**
Course ID# 80000
Meets the UC/CSU (f) requirement
**Grades:** 9-12
**Course Length:** Year
**Graduation:** Satisfies UC/CSU and high school fine arts requirement for graduation
**Description:** This two dimensional art class involves a great variety of drawing and painting projects. Students will work on abstract, realistic and design projects using such materials as pencil, watercolors, tempera, ink, and many more. Also includes collages, some art history, and critique. Study of three-dimensional craft projects and computer graphics will be included.

**Art Advanced [P]**
Course ID# 80100
Meets the UC/CSU (f) requirement
**Grades:** 9-12
**Course Length:** Year
**Graduation:** Satisfies UC/CSU and high school fine arts requirement for graduation
**Description:** Art Advanced students will explore more complicated elements of Art and Principals of Design. They will work at an advanced skill level in a variety of two-dimensional and three-dimensional media. Creative experimentation with media and subject matter is encouraged. Special talents and interest in the arts and art-related fields are addressed. Students participate in the exhibition of their work. Students will also learn about Art History through historical art periods and contemporary artists.

**Ceramics 1 [P]**
Course ID# 80550
Meets the UC/CSU A-G requirement
**Grades:** 10-12
**Course Length:** Year
**Graduation:** Satisfies fine arts or elective requirement for high school graduation
**Description:** Ceramics 1 is a basic, exploratory course in ceramics, with emphasis on hand-building techniques. Pinch, coil, slab and slip molding methods will be explored. Introduction to wheel throwing, glazing and decorating are presented. The works of historic and contemporary ceramic artists are presented. There is a fee for materials.

**Multimedia [P]**
Course ID# 22571
Meets the UC/CSU (f) requirement
**Grades:** 11-12
**Course Length:** Year
**Graduation:** Satisfies UC/CSU and high school fine arts requirement for graduation
**Description:** Students will acquire knowledge and skills in graphic development and manipulation, basic video and desktop multimedia production, project planning, beginning web design, presentation, and combination of film, text, visual effects, graphics, animation, special effects, and sound.

**Advanced Photography (ROP)**
Course ID# 8270R
**Grades:** 11-12
**Course Length:** Year
**Graduation:** Satisfies the fine art requirement for high school graduation.
**Description:** In this course students will work with the elements of art and principles of design. They discuss, analyze, and synthesize those principles, applying them to create their own works of art in the medium of photography, reflecting craftsmanship and technical skill. Instruction can also include studio and field techniques, photojournalism, fashion photography, commercial, portrait, scientific, nature, wildlife and sports photography.

**Photography [P]**
Course ID# 82600
Meets the UC/CSU (f) requirement
**Grades:** 9-12
**Course Length:** Year
**Graduation:** Satisfies UC/CSU and high school fine arts requirement for graduation
**Description:** This is a two-dimensional art class. Students study the processes involved in taking photographs and producing
finished prints. Students should own or have access to a 35 mm SLR camera and need to purchase materials used in this course.

**Photography Advanced [P]**
Course ID#: 82700
Meets the UC/CSU (f) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: This course is designed for students interested in continuing studies of the art of traditional black and white photography and the exploration of emerging technologies in digital photography. Students will also learn about continued, advanced, and alternative techniques in the uses of the camera, accessories and darkroom techniques.

**AP Studio Art 2D Design**
Course ID#: 80150
Meets the UC (f) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies both UC/CSU and high school fine arts requirement for graduation
Description: This course is designed for highly motivated students who are seriously interested in the study of Art and who wish to pursue college-level studies while in high school. It enables art students to conceptualize images, to develop quality artwork, and to develop an area of concentration. Students will acquire depth and breadth of understanding of the principles and elements of art. Students will work toward portfolio submission for advanced placement credit. This is a two-year program. There may be a special art supply fee charged.

**AP Studio Art: Drawing**
Course ID#: 80160
Meets the UC (f) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies both UC/CSU and high school fine arts requirement for graduation
Description: This course is designed to have the student recognize quality in his/her work, the student will also concentrate on a sustained investigation of a particular visual interest or problem and a range of approaches to the formal, technical and expressive means of the artist.

**Advanced Visual Arts [P]**
Course ID#: 83450
Meets the UC/CSU (f) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: Students will study vocabulary unique to art and will apply the elements of art and principles of design to their creations. In their original work they will communicate meaning, intent, feeling and emotions using a variety of media. Students will learn how history and culture has influenced art and artists worldwide. The class is a combination of studio work, written and reading homework assignments, and the compilation of an individual portfolio of each student's work.

**Advanced Media Communication [P] (ROP)**
Course ID#: 8108R
Meets the UC/CSU (f) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: This course is a college preparatory interdisciplinary approach to multi media communications, which builds on student proficiency in journalistic writing, photography, video, and design concepts. This class integrates research and writing techniques with artistic creation and expression. Students receive an advanced understanding and appreciation of technology used as a tool in artistic expression, and they continue to strengthen their analytical reading and expository writing skills as well as their critical thinking skills in this cross-disciplinary approach.

**Band Beginning [P]**
Course ID#: 56800
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies fine arts requirement for high school graduation
Description: This course is designed to give students technical instruction on their instruments while performing as a group or individually. The students will receive instruction in the theoretical aspects of written music and the background of the different forms of music in today's society.

**Band Symphonic [P]**
Course ID#: 56300
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: The concert Band is an intermediate ensemble open to students with some instrumental background who wish to be a part of a quality performing group. Performance opportunities may include Winter and Spring Concerts, District/area festivals, home football games, solo/ensembles, feeder school concerts, and graduation.

**Jazz Band [P]**
Course ID#: 56100
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: This course provides instruction in commercial styles of music, music theory, and career opportunities pertaining to instruments in an ensemble situation. Students will be involved in performances.

**Concert Band [P]**
Course ID#: 55900
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: This course provides instruction in commercial styles of music, music theory, and career opportunities pertaining to instruments in an ensemble situation. Students will be involved in performances.
requirements for graduation

Description: The Symphonic Band is an advanced ensemble open to students with a strong instrumental background who wish to be part of a quality-performing group. This performance-based ensemble performs 6 – 10 mandatory performances and studies standard band repertoire from all areas of music. Regular practice is a requirement of this course. Performance opportunities may include Winter and Spring Concerts, District/area festivals, home football games, solo/ensembles, feeder school concerts, and graduation.

**Ensemble [P]**
Course ID#: 57200
Grades: 9-12
Course Length: Year
Graduation: Satisfies high school fine arts requirements for graduation

Description: This percussion ensemble studies standard repertoire for percussion from all cultures and genres. Students must be enrolled in music performance class or studying music privately to enroll in this class. This group performs 4 – 8 mandatory performances and all students will also assist in the Marching Band.

**Jazz Ensemble**
Course ID#: 57700
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation

Description: This ensemble performs standard repertoire for all genres of Jazz and improvisation. This group performs 6 – 10 mandatory performances. Instrumentation is limited to Trumpet, Trombone, Saxophone, Guitar, Bass, Piano and Drums with few exceptions made for ensemble needs.

**Wind Ensemble [P]**
Course ID #: 57250
Meets the UC/CSU (f) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation

Description: This course is for students who have been highly successful in Band 1, Band 2 Band 3 or the equivalent and want to continue on their instrument. Students will continue their core instrument practices but also focus heavily on music history and performance aesthetics.

**Orchestra [P]**
Course ID# 58500
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation

Description: The Orchestra consists exclusively of string instruments used in a standard symphony orchestra: violin, viola, cello and bass. Since other instrumentalist are used only on occasion, wind (woodwinds and brasses) and percussion players may not enroll, but rather, will be drawn from the Symphonic Band class when needed for orchestra literature.

**Orchestra Advanced**
Course ID #: 58590
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation

Description: Students have the opportunity to develop musical skills and knowledge that can only be learned through involvement in the orchestral ensemble. Students learn music theory and develop cultural understanding. They are expected to continually demonstrate their musical growth in orchestral playing primarily through performance in class evaluations, graded assignments, and other performances.

**A Cappella [P]**
Course ID# 55500
Meets the UC/CSU (f) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation

Description: A Cappella is open to students who enjoy singing and desire to participate in a quality-singing group. There will be a strong emphasis on vocal production, phrasing, and diction with special work devoted to extending the vocal range of the singers. Basic music theory will be included to aid in the improvement of sight-reading. Both performance and written tests will be included in the curriculum. There will be several performance opportunities for all: Fall, Winter, and Spring Concerts, Music Revues, district/area festivals, Baccalaureate, alumni, solo/ensemble, feeder school concerts and Spring Tour.

**Concert Choir [P]**
Course ID#: 56900
Meets UC/CSU (f) requirements
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation

Description: Concert choir is a one-year course open to all students interested in participating in a mixed choir (Soprano, Alto, Tenor, Bass). This course is designed to increase the vocal skill and performance levels of each student and to develop aesthetic and cultural values through critical listening. Students will sing a wide range of literature from a variety of time periods, continents, languages, cultures and styles. Students will perform medium to difficult high school choral literature for performances in concerts and festivals. Emphasis will be on portfolio preparation for advanced study and career development.

**Beginning Piano [P]**
Course ID# 58750
Meets UC/CSU (f) requirements
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation

Description: A beginning music class that includes the study of piano techniques and the fundamentals of music, including an intensive study of music reading and notation. Students in this course give one or more recitals for which attendance is required.
**Advanced Piano [P]**
Course ID# 58600
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: An intermediate advanced music class. The course includes intermediate, advanced applications on the piano, the study of the fundamentals of music, and the study of music styles, form and history. There will be intensive study of music reading and notation. Students in this course give recitals in which participation is required.

**Guitar Beginning [P]**
Course ID# 57500
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: Guitar Beginning is a course open to students 9-12. Students will learn basic comprehensive skills and applications that relate to the overall concepts of guitar technique and performance. Students will develop aesthetic and cultural values thru listening to various genres of guitar music. Students will address criteria for critically judging the quality of performances and compositions that derive from social and historical influence. Students will learn to strum and pick a wide range of music from a variety of American genres, i.e Jazz, Folk, Rock, Pop. From the study of these various styles, students will attain enhanced awareness of the history and events surrounding the development of guitar literature (20th Century). Work outside of class involves project preparation, written assignments, and exploration of school-to-career possibilities.

**Guitar Advanced [P]**
Course ID # 57400
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: This a one-year course offering intermediate to advanced instruction for the guitar. Students will also learn music fundamentals, theory, songs, performing, listening, composing, improvising, analyzing, and learning how to read standard notation and tablature.

**Theatre 1 [P]**
Course ID# 62100
Meets UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: Theatre 1 provides an introduction to theatre as a discipline and art form. Through theatre games and improvisation exercises, students will develop confidence, trust, and voice and movement skills. As they give and receive criticism on performances in and outside of class, students will apply evaluation criteria and appreciate excellence in performance. By studying theatre as an expression of both history and culture, students will explore the way in which theatre affects and is affected by its societal context.

**Theatre 2 [P]**
Course ID# 62200
Meets UC/CSU (f) requirements
Grades: 10-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: Theatre 2 is designed for the intermediate student who wants to build upon the skills learned in Theatre 1. Through play analysis, scene work, and one-act play preparation and performance, students will build believable characters, apply basic technical theatre skills, develop directing skills, and work effectively in an ensemble. Students will develop audition material suitable for professional use. Students will trace the historical development of theatre through research, performance, and attendance of theatrical productions.

**Jazz Dance I[ P]**
Course ID# 54800
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: This course is designed for those students who want to continue the study of theatre and acting begun in earlier courses. The course covers all areas of the theatre with the emphasis on acting techniques and performance. Students will perform monologues, scenes, mimes, plays, etc. Students may participate in full scale Broadway productions.

**Advanced Piano [P]**
Course ID# 58600
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: An intermediate advanced music class. The course includes intermediate, advanced applications on the piano, the study of the fundamentals of music, and the study of music styles, form and history. There will be intensive study of music reading and notation. Students in this course give recitals in which participation is required.

**Guitar Beginning [P]**
Course ID# 57500
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: Guitar Beginning is a course open to students 9-12. Students will learn basic comprehensive skills and applications that relate to the overall concepts of guitar technique and performance. Students will develop aesthetic and cultural values thru listening to various genres of guitar music. Students will address criteria for critically judging the quality of performances and compositions that derive from social and historical influence. Students will learn to strum and pick a wide range of music from a variety of American genres, i.e Jazz, Folk, Rock, Pop. From the study of these various styles, students will attain enhanced awareness of the history and events surrounding the development of guitar literature (20th Century). Work outside of class involves project preparation, written assignments, and exploration of school-to-career possibilities.

**Guitar Advanced [P]**
Course ID # 57400
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: This a one-year course offering intermediate to advanced instruction for the guitar. Students will also learn music fundamentals, theory, songs, performing, listening, composing, improvising, analyzing, and learning how to read standard notation and tablature.

**Theatre 1 [P]**
Course ID# 62100
Meets UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: Theatre 1 provides an introduction to theatre as a discipline and art form. Through theatre games and improvisation exercises, students will develop confidence, trust, and voice and movement skills. As they give and receive criticism on performances in and outside of class, students will apply evaluation criteria and appreciate excellence in performance. By studying theatre as an expression of both history and culture, students will explore the way in which theatre affects and is affected by its societal context.

**Theatre 2 [P]**
Course ID# 62200
Meets UC/CSU (f) requirements
Grades: 10-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: Theatre 2 is designed for the intermediate student who wants to build upon the skills learned in Theatre 1. Through play analysis, scene work, and one-act play preparation and performance, students will build believable characters, apply basic technical theatre skills, develop directing skills, and work effectively in an ensemble. Students will develop audition material suitable for professional use. Students will trace the historical development of theatre through research, performance, and attendance of theatrical productions.

**Jazz Dance I[ P]**
Course ID# 54800
Meets the UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirement for graduation
Description: This course is designed for those students who want to continue the study of theatre and acting begun in earlier courses. The course covers all areas of the theatre with the emphasis on acting techniques and performance. Students will perform monologues, scenes, mimes, plays, etc. Students may participate in full scale Broadway productions.
development of jazz dance in America and its influence on other styles of dance. Students will write one research paper on jazz dance and see one local performance. Videos and films will supplement required readings.

**Jazz Dance 2 [P]**  
Course ID# 54900  
Meets the UC/CSU (f) requirement  
Grades: 10-12  
Course Length: Year  
**Graduation:** Satisfies UC/CSU and high school fine arts or physical education requirement for graduation  
**Description:** This course is for students of intermediate ability. Students must be able to verbalize and demonstrate movement based on jazz techniques. An understanding of dance terminology and vocabulary is also essential. The course will emphasize intense study of jazz styles, characteristics, and expanding techniques. Students will develop their artistic abilities through choreography and/or participation in in-class performances. Students will view and critique at least one local performance. Videos and films will augment required readings distributed by the teacher. Participation in performances is required.

**Dance Production [P]**  
Course ID# 54600  
Meets the UC (f) requirement  
Grades: 10-12  
Course Length: Year  
**Graduation:** Satisfies UC/CSU fine arts or elective credit for graduation and either fine arts, P.E., or elective requirement for high school graduation.  
**Description:** For students of intermediate and advanced technical ability with emphasis on choreography, development of stage presence and performance. Successful completion requires students to attend all rehearsals, to participate in outside work, i.e. dance workshops, seminars, master classes, and attend a minimum of three outside performances and write a critique based on designated criteria, to read all resource materials, to be able to demonstrate and verbalize movement based on modern jazz and ballet techniques, and to develop critical listening and viewing skills. All student work will be video recorded. Students are responsible for designing and providing costumes for their performances.

**WORLD LANGUAGES**

The ability to speak a foreign language is becoming increasingly important in our interdependent world. Students entering a foreign language program are encouraged to continue it through the four-year sequence. Courses out of the normal sequence do not count for Cal State or University of California earned credit.

**French 1[P], 2[P], 3[P]**  
Course ID# 42000, Course ID# 42200, Course ID# 42300  
Meets the UC/CSU (e) requirement  
Grades: 9-12  
Course Length: Year  
**Graduation:** Satisfies foreign language requirement for both UC/CSU and high school graduation  
**Description:** Students will develop an understanding and appreciation of the cultural diversity of the French-speaking world. Students will develop proficiency in the four modes of communication: listening, reading, writing, and speaking. Students will comprehend and acquire knowledge through authentic written texts and aural materials, e.g., videos, music, and internet resources, at increasing levels of difficulty and will learn to express themselves in oral and written French. Materials and expected proficiency in the language are determined by the level of the class. Advancement to the next course requires a mark of ‘C‘ or better.

**French 4 [H]**  
Course ID# 42400  
Meets the UC/CSU (e) requirement  
Grades: 11-12  
Course Length: Year  
**Graduation:** Satisfies foreign language requirement for both UC/CSU and high school graduation  
**Description:** Students will develop an understanding and appreciation of the literary and cultural heritage of the French-speaking world. Students will advance their proficiency in the four modes of communications: listening, reading, writing, and speaking. Authentic reading materials will include poetry, drama, short stories and novels by important French and Francophone authors. Listening comprehension skills will be developed through the inclusion of French videos, music, and various internet resources. Students will demonstrate their proficiency through advanced writing, discussion, and oral presentations. French 4 meets the University of California honors requirements.

**AP French Language**  
Course ID# 42500  
Meets the UC/CSU (e) requirement  
Grades: 11-12  
Course Length: Year  
**Graduation:** Satisfies foreign language requirement for both UC/CSU and high school graduation  
**Description:** Students will study advance language structures, read advanced literature and non-fiction texts, participate in analytic discussions, improve their ability to comprehend native French speakers, and write well-developed, cohesive paragraphs and essays. Class is conducted entirely in French. The reading materials include poetry, drama, short stories and novels by important French and Francophone authors. Students will complete the College Board- approved course of study that includes preparation for the AP exam in the four modes of communication: reading, writing, listening and speaking. Students completing this course are encouraged to take the Advanced Placement French Language Test and will earn transferable college credit if passed at a “3” or higher.
Students will comprehend and acquire knowledge through authentic written texts and aural materials, e.g., videos, music, and internet resources, at increasing levels of difficulty and will learn to express themselves in oral and written Spanish. Materials and expected proficiency in the language are determined by the level of the class. Advancement to the next course requires a mark of ‘C’ or better.

**Spanish 4 [H]**
Course ID# 45700
Meets the UC/CSU (e) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies foreign language requirement for both UC/CSU and high school graduation
Description: Students will develop an understanding and appreciation of the literary and cultural heritage of the Spanish-speaking world. Students will advance their proficiency in the four modes of communicating: listening, reading, writing, and speaking. Authentic reading materials will include poetry, drama, short stories and novels by important Spanish and Latin American authors. Listening comprehension skills will be developed through the inclusion of Spanish videos, music, and various internet resources. Students will demonstrate their proficiency through advanced writing, discussion, and oral presentations. Spanish 4 meets the University of California honors requirements.

**Spanish for Spanish Speakers 1 [P]**
Course ID# 45990
Grades: 9-12
Course Length: Year
Graduation: Satisfies foreign language requirement for both UC/CSU and high school graduation
Description: The focus of this class is reading and writing in the Spanish language. Content includes the study in Spanish of the cultures and history of Spanish-speaking countries. Students will interpret works on a variety of topics and concepts integrated with the core curriculum, such as history, government, science, economics, and literature. Students will discover Hispanic contributions to humanity through reading and research as well as the influences of humanity upon the various cultures leading to a better understanding of and appreciation for themselves and their heritage.

**Spanish for Spanish Speakers 1 [P]**
Course ID# 45992
Grades: 10-12
Course Length: Year
Graduation: Satisfies foreign language requirement for both UC/CSU and high school graduation
Description: The course is designed for students fluent in conversational Spanish, and provides instruction to improve students’ reading, listening, speaking and writing skills. It is a continuation course and students will take it once they complete Spanish for Spanish Speakers 1 course. The course is conducted solely in Spanish and students will be expected to communicate using both formal and informal Spanish by completing various types of writing and presentations. Grammar, reading analysis and communicative skills will also be areas of focus.

**AP Spanish Language**
Course ID# 45800
Meets the UC/CSU (e) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies foreign language requirement for both UC/CSU and high school graduation
Description: Students will study advanced language structures, read advanced literature and non-fiction texts, participate in analytic discussions, improve their ability to comprehend native Spanish speakers, and write well-developed, cohesive paragraphs and essays. Class is conducted entirely in Spanish. The reading materials include poetry, drama, short stories and novels by important Spanish and Latin American authors. Students will complete the College Board-approved course of study that includes preparation for the AP exam in the four modes of communication: reading, writing, listening and speaking. Students completing this course are encouraged to take the Advanced Placement Spanish Language Test and will earn transferable college credit if passed at a “3” or higher.

**Japanese 1 [P], 2 [P], 3 [P]**
Course ID# 44100, Course ID# 44150, Course ID# 44200
Meets the UC/CSU (e) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies foreign language requirement for both UC/CSU and high school graduation
Description: Students will study advanced language structures, read advanced literature and non-fiction texts, participate in analytic discussions, improve their ability to comprehend native Japanese speakers, and write well-developed, cohesive paragraphs and essays. Class is conducted entirely in Japanese. The reading materials include poetry, drama, short stories and novels by important Japanese authors. Students will complete the College Board-approved course of study that is designed to introduce students who have advanced language skills to the formal study of a representative body of literary texts. Students completing this course are encouraged to take the Advanced Placement Japanese Literature Test and will earn transferable college credit if passed at a “3” or higher.

**Japanese 4 [H]**
Course ID# 44250
Meets the UC/CSU (e) requirement
Grades: 11-12
Learned in American Sign Language 1 and 2. The course will advance their proficiency in the four modes of communications: listening, reading, writing, and speaking. Authentic reading materials will include poetry, drama, short stories and novels by important Japanese authors. Listening comprehension skills will be developed through the inclusion of Japanese videos, music, and various internet resources. Students will demonstrate their proficiency through advanced writing, discussion, and oral presentations. Japanese 4 meets the University of California honors requirements.

AP Japanese Language and Culture
Course ID# 44300
Meets the UC/CSU (e) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies foreign language requirement for both UC/CSU and high school graduation
Description: Students will develop an understanding and appreciation of the literary and cultural heritage of the Japanese-speaking world. Students will advance their proficiency in the four modes of communications: listening, reading, writing, and speaking. Authentic reading materials will include poetry, drama, short stories and novels by important Japanese authors. Listening comprehension skills will be developed through the inclusion of Japanese videos, music, and various internet resources. Students will demonstrate their proficiency through advanced writing, discussion, and oral presentations. Japanese 4 meets the University of California honors requirements.

Latin 1 [P], 2 [P], 3 [P]
Course ID# 44700, Course ID# 44800, Course ID# 44900
Meets the UC/CSU (e) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies foreign language requirement for both UC/CSU and high school elective for graduation.
Description: Students will develop an understanding and appreciation of the cultural diversity of the Greco-Roman World. Latin provides a useful base for learning how many European languages work. The important goals of classical language study are the development of reading skills in the target language, the close study of works of ancient literature, and the creation of a deep understanding of the target culture. Advancement to the next course requires a mark of ‘C’ or better.

American Sign Language I [P], II [P]
Course ID# 41000, Course ID# 41200
Meets the UC/CSU (e) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies foreign language requirement for both UC/CSU and high school graduation
Description: Students will learn the basic receptive and expressive structure of the language and will develop an in-depth understanding of the language. The primary objective is the ability to converse in the language as well as learn about and understand the culture of the hearing impaired.

American Sign Language 3 [P]
Course ID# 41300
Meets the UC/CSU (e) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies foreign language requirement for both UC/CSU and high school graduation
Description: Students will build on the knowledge and skills learned in American Sign Language 1 and 2. The course will focus more heavily on the following: significant historical figures and events, cultural norms and stereotypes, effects of technology on Deaf culture, read and discuss culturally appropriate texts, stating opinions and points of view through the use of ASL. Skills will be developed from an informal to formal presentation style to explain and articulate complex ideas and concepts.

Miscellaneous Electives

Aerospace IV Airforce JROTC
Course ID# 8758J
Grades: 12
Course Length: Year
Graduation: Satisfies graduation requirement for elective credit.
Description: Students will be allowed to manage the entire corps during their fourth year in the Air Force JROTC program. This hands-on experience affords the students the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets. They will put into practice their communication, decision-making, personal-interaction, managerial, and organizational skills.

AFJROTC Aerospace
Course ID# 8755J
Grades: 9-10
Course Length: Year
Graduation: Satisfies graduation requirement for elective credit.
Description: This is the recommended first course for all new cadets. Students will learn aviation history, focusing on the development of flight throughout the centuries. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force. There are readings, videos, hands-on activities, and in-text and student workbook exercises to guide the reinforcement of the materials.

AFJROTC Leadership Education
Course ID# 8756J
Grades: 9-10
Course Length: Year
Graduation: Satisfies graduation requirement for elective credit.
Description: Students (cadets) will learn the history, organization, mission, traditions, goals, and objectives of JROTC for all services. Lessons will cover how to be emotionally, mentally, and physically healthy. The course also covers an introduction to civics and the national government, including a historical understanding of the American flag and other important national symbols. Students (cadets) will also be taught about the U.S. Constitution and how it protects citizens’ rights and freedoms.

AFJROTC Wellness Program
Course ID# 8757J
Grades: 9-11
Course Length: Year
Graduation: Satisfies graduation requirement for elective credit.
Description: Students (cadets) will utilize the time to learn the importance of keeping themselves well and helping others to stay well. They will work together in flights or teams during friendly team oriented competitions, practice drill commands, and exercise in preparation for undertaking the United States Presidential Physical Fitness Exam.
Analytical Forensic Science [P]
Course ID# 63700
Grades: 9-12
Course Length: Year
Graduation: Satisfies the UC/CSU and graduation requirement for elective credit.
Description: This course has an emphasis on understanding the underlying scientific theories of forensic science. The class will build upon students’ prior knowledge of biology and chemistry, using chemistry techniques to analyze and identify trace evidence, including DNA. Students will evaluate the constituents of materials by organic, inorganic, and biochemical analysis, and apply their academic and laboratory skills to develop a deeper understanding of science.

Anatomy & Physiology [P]
Course ID# 62980
Grades: 9-12
Course Length: Year
Graduation: Satisfies the UC/CSU and graduation requirement for elective credit.
Description: An elective course that is designed to teach high school level students about the structure and function of each organ system in the human body including the cellular level. This course touches on the common functions and diseases that can occur within each body system.

Applied Research Methods for Contemporary Issues [P]
Course ID# 89785
Grades: 9-12
Course Length: Year
Graduation: Satisfies the UC/CSU and graduation requirement for elective credit.
Description: An elective course that prepares students to conduct interdisciplinary research as part of a career pathway. This course is specifically aligned with the Information and Communications Technologies Career pathway. Students will use technology to access primary and secondary resources and to facilitate inquiries into contemporary issues and challenges, both local and global.

AP Computer Science (ROP)
Course ID# 3037R
Grades: 9-12
Course Length: Year
Graduation: Satisfies the UC/CSU and graduation requirement for elective credit.
Description: pending a course description.

AP Computer Science Principles [P](ROP)
Course ID# 30390
Grades: 9-12
Course Length: Year
Graduation: Satisfies the UC/CSU and graduation requirement for elective credit.
Description: The goal of the course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. There are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science.

Broadcast Journalism (ROP)
Course ID# 2256R
Grades: 11-12
Course Length: Year
Graduation: Satisfies elective requirement for UC/CSU and high school graduation
Description: This course focuses on the analysis and practice of electronic news gathering (ENG), media production and presentation from a variety of theoretical, philosophical, artistic and historical perspectives.

Civil Engineering & Architecture (PLTW)
Course ID# 8265R
Grades: 11-12
Course Length: Year
Graduation: Satisfies elective requirement for UC/CSU and high school graduation
Description: This class provides an overview of civil engineering and architecture, emphasizing how they are related and interdependent. The curriculum covers topics such as the roles civil engineers and architects play, project planning, site planning, building design, project documentation and presentation. Project based learning activities employ state of the art CAD and stress analysis software, surveying instruments, soil testing equipment and applied computation formulas to structural engineering principles to allow students to gain a solid understanding of the skill bank required of Civil Engineers and Architects.

College and Career Readiness [P]
Course ID# 81007
Grades: 9-12
Course Length: Year
Graduation: Satisfies elective requirement for UC/CSU and high school graduation
Description: This is a two semester course designed to help students learn and practice valuable skills to help them become college and career ready. Students will demonstrate their understanding of career paths through a variety of assessments, projects, job simulations, speeches, research assignments, online portfolio, and a research paper. Students will identify academic interests, skills, values and personality types, research employers and industries, gain experience with public speaking and interview skills, familiarize themselves with college job search tools, strengthen writing skills, learn goal setting, solidify research techniques, and write a research paper utilizing correct MLA format.

Computer Graphic Arts (ROP)
Course ID# 3060R
Grades: 11-12
Course Length: Year
Graduation: Satisfies elective requirement for UC/CSU and high school graduation
Description: This class will enable students to achieve an understanding and appreciation of artistic expression and use this knowledge to enhance visual communication. Students will
ENGLISH LANGUAGE LEARNERS

SPECIALY DESIGNED ACADEMIC INSTRUCTION IN ENGLISH (SDAIE) COURSES

Algebra 1 SL [P]
Course ID# 15180
Meets UC/CSU (c) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school math requirement for graduation
Description: This is a first year algebra course in which students will learn how to solve problems with the first semester focused on linear equations and constant rates of change followed by problems that involve quadratic functions and systems of linear equations. They will use reasoning skills, their knowledge of properties of numbers, inverse operations, graphing and other algebraic techniques to solve linear equations and quadratic equations, as well as connect those solutions to their corresponding graphs. Students will know that functions have multiple representations: a set of points, a graph, an equation, and a situation. The course also includes exponents, polynomial arithmetic, rational expressions and ratio and proportion. This course is intended for students with limited math and English proficiency. This is the first course in a series required by the UC/CSU admissions’ system.

Geometry SL [P]
Course ID# 15270
Meets the UC/CSU (c) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school math requirement for graduation
Description: This course focuses on problem solving within the setting of Euclidean and coordinate geometry. Important skills and concepts include: angle relationships within plane figures and those of lines cut by a transversal; distance, area, surface area and volume; triangle similarity and proportion; similarity and congruence of polygons; and transformations. Students will learn the subtleties of the Pythagorean Theorem through its proof and applications. They will learn and apply right triangle trigonometry. Students will develop their ability to construct and articulate logical, convincing arguments that includes a facility with formal proof and deductive reasoning, and recognizing the patterns of inductive reasoning. This course is intended for limited English learners.

Algebra 2 SL [P]
Course ID# 15190
Meets the UC/CSU (c) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school math requirement for graduation
Description: This is a course that completes all topics of second-year Algebra: linear functions, systems of linear equations and inequalities, quadratic functions and complex numbers, exponential and logarithmic functions, rational and irrational algebraic functions, quadratic relations, higher degree functions and polynomials, sequences and series, introduction to probability and statistic. The course includes mathematical modeling of real-world problems. Appropriate technology: graphing calculators, and computer software, is used to further explore and deepen mathematical understanding of concepts presented by the course. This course is intended for English learners.

World History SL [P]
Course ID# 17850
Meets the UC/CSU (a) requirement
Grades: 9-10
Course Length: Year
Graduation: Satisfies UC/CSU and high school history requirement for graduation
Description: Intended for students with a limited English proficiency. This class serves as an introduction to the social sciences with area studies of Europe, Asia, Latin America and Africa. This course is intended for English learners.

U.S. History SL [P]
Course ID# 17550
Meets the UC/CSU (a) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school history requirement for graduation
Description: Intended for students with a limited background in US History and limited English proficiency. The course begins with early American history and is limited to the most important historical events and ideas. A greater emphasis is placed on the period of history since the Civil War. This course is intended for English Learners.

American Government SL [P]
Course ID# 17270
Meets the UC/CSU (a) requirement paired with Economics
Grades: 12
Course Length: Semester
Graduation: Satisfies UC/CSU and high school requirement for graduation
Description: The theory and structure of the American political and legal systems; including the study of the executive, legislative, and judicial branches, the American political process, and state, country, local governments. This course is intended for non-English or limited English speakers.

Economics SL [P]
Course ID# 17370
Meets the UC/CSU (g) requirement paired with American Government
Grades: 12
Course Length: Semester
Graduation: Satisfies both WCCUSD and UC/CSU graduation requirements
Description: The theory and structure of reciprocal economic systems as influenced by American domestic and foreign policy decisions as well as political, legal, and socioeconomic issues. This course is intended for non-English or limited English speakers.
Graduation Course Length Grades
Course ID # 15230
Geometry BL [P]
Course is for Spanish speakers.
This course introduces students to the study of the structure and properties of matter and the changes it undergoes. It emphasizes the development of chemical principles and theories on the basis of experimental data and includes many laboratory experiments and demonstrations. This course is intended for English learners.

Chemistry SL [P]
Course ID# 16550
This course focuses on problem solving within the setting of Euclidean and coordinate geometry. Important skills and concepts include: angle relationships within plane figures and those of lines cut by a transversal; distance, area, surface area and volume; triangle similarity and proportion; similarity and congruence of polygons; and transformations. Students will learn the subtleties of the Pythagorean Theorem through its proof and applications. They will learn and apply right triangle trigonometry. Students will develop their ability to construct and articulate logical, convincing arguments that includes a facility with formal proof and deductive reasoning, and recognizing the patterns of inductive reasoning. This course is for Spanish speakers.

BILINGUAL SPANISH SPEAKER COURSES (RICHMOND HIGH SCHOOL ONLY)

Algebra I BL [P]
Course ID# 15000
This class is paired with Economics in the alternate semester. This is a first year algebra course in which students will learn how to solve problems with the first semester focused on linear equations and constant rates of change followed by problems that involve quadratic functions and systems of linear equations. They will use reasoning skills, their knowledge of properties of numbers, inverse operations, graphing and other algebraic techniques to solve linear equations and quadratic equations, as well as connect those solutions to their corresponding graphs. Students will know that functions have multiple representations: a set of points, a graph, an equation, and a situation. The course also includes exponents, polynomial arithmetic, rational expressions and ratio and proportion. This course is for Spanish speakers.

Biology SL [P]
Course ID# 16470
Meets the UC/CSU (d) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies Life Science lab requirement for UC/CSU and high school life science requirement for graduation
Description: The study of life from the molecular level, cellular level to the whole organism including the study of interactions and interrelationships of living things and their environment. This course is designed to equip the student with independent study skills and basic background to compete successfully in higher lab science courses in high school. This course is intended for English learners.

Chemistry SL [P]
Course ID# 16550
Meets the UC/CSU (d) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies Physical Science lab requirement for UC/CSU and high school physical science requirement for graduation
Description: This course introduces students to the study of the structure and properties of matter and the changes it undergoes. It emphasizes the development of chemical principles and theories on the basis of experimental data and includes many laboratory experiments and demonstrations. This course is intended for English learners.

American Government BL [P]
Course ID# 10300
Meets the UC/CSU (a) requirement
Grades: 12
Course Length: Semester
Graduation: Satisfies the American Government requirement for UC/CSU and high school graduation
Description: A one semester course on the American system of government, beginning with theoretical foundations, comparative political systems and historical origins. Basic units will include the study of the executive, legislative and judicial branches, the American political process, civil rights, domestic issues, international problems, and state, county and local governments and follows the California State Framework for Social Science. This class is paired with Economics in the alternate semester. This course is intended for English learners.

Economics BL [P]
Course ID# 17300
Meets the UC/CSU (g) requirement paired with American Government
Grades: 12
Course Length: Semester

U.S. History BL [P]
Course ID# 17500
Meets the UC/CSU (a) requirement
Grades: 11
Course Length: Year
Graduation: Satisfies U.S. History requirement for UC/CSU and U.S. History requirement for graduation
Description: An overview of American history with emphasis on significant people, groups, institutions, events, and places from the post-Civil War period to the present, and follows the California State Framework for Social Science. The course is taught in Spanish for Spanish speakers.

World History BL [P]
Course ID# 17800
Meets the UC/CSU (a) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies the requirement for UC/CSU and World History requirement for graduation
Description: Survey of the history of the world, its civilizations, people, geography, and development, beginning with the Renaissance. Emphasis is on modern times and the origins and roots of current situations and problems. This class meets the California State Framework for Social Science. This course is intended for English learners.

U.S. History BL [P]
Course ID# 17500
Meets the UC/CSU (a) requirement
Grades: 11
Course Length: Year
Graduation: Satisfies U.S. History requirement for UC/CSU and U.S. History requirement for graduation
Description: An overview of American history with emphasis on significant people, groups, institutions, events, and places from the post-Civil War period to the present, and follows the California State Framework for Social Science. The course is taught in Spanish for Spanish speakers.

World History BL [P]
Course ID# 17800
Meets the UC/CSU (a) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies the requirement for UC/CSU and World History requirement for graduation
Description: Survey of the history of the world, its civilizations, people, geography, and development, beginning with the Renaissance. Emphasis is on modern times and the origins and roots of current situations and problems. This class meets the California State Framework for Social Science. This course is intended for English learners.

American Government BL [P]
Course ID# 10300
Meets the UC/CSU (a) requirement
Grades: 12
Course Length: Semester
Graduation: Satisfies the American Government requirement for UC/CSU and high school graduation
Description: A one semester course on the American system of government, beginning with theoretical foundations, comparative political systems and historical origins. Basic units will include the study of the executive, legislative and judicial branches, the American political process, civil rights, domestic issues, international problems, and state, county and local governments and follows the California State Framework for Social Science. This class is paired with Economics in the alternate semester. This course is intended for English learners.

Economics BL [P]
Course ID# 17300
Meets the UC/CSU (g) requirement paired with American Government
Grades: 12
Course Length: Semester
Middle College High School Courses

Speech 120 (Public Speaking)
Course ID# 120CC
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the English requirement for high school graduation
Description: This course provides students the opportunity to gain confidence in a variety of speaking formats, including informative, persuasive, impromptu and narrative presentations. Students will gain proficiency in listening to and evaluating public speeches. They will develop a personal style of speaking in public. This course presents the principles of good oral communication, with attention given to research and delivery techniques and critical evaluation of public communication.

Math 135 (College Algebra)
Course ID# 135CC
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the math requirement for high school graduation
Description: The course content will include elements of coordinate geometry, algebraic functions, exponential and logarithmic functions, inverse functions and applications including curve sketching.

Math 190 (Analytic Geometry and Calculus)
Course ID# 190CC
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the math requirement for high school graduation
Description: The course content will include elements of analytic geometry, functions of a single variable, limits, techniques of differentiation, integration and applications.

Math 191 (Analytic Geometry and Calculus)
Course ID# 191CC
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the math requirement for high school graduation
Description: A continuation of the study begun in MATH 190, this course will cover elements of analytic geometry, differential and integral calculus, infinite series and their applications. Integration techniques, transcendental functions, and improper integrals will be included.

Math 290 (Analytic Geometry and Calculus)
Course ID# 290CC
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the math requirement for high school graduation
Description: This course further develops differential and integral calculus, with emphasis on functions of several variables, vectors, partial derivatives, multiple integrals, vector integration and vector fields, line and surface integrals, Green’s theorem, Stoke’s theorem, and divergence theorem.

Math 292 (Introduction to Differential Equations)
Course ID# 292CC
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the math requirement for high school graduation
Description: This course presents ordinary differential equations of first and second order, series solutions, linear differential equations, Laplace transforms and numerical solutions, as well as an introduction to Fourier series.

Biology 132 (Human Anatomy)
Course ID# 132CC
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the life science requirement for high school graduation
Description: Human Anatomy is a course in the structure or morphology of the human body, covering basic cytology, histology and all major organs and organ systems. In addition, the two main integrative systems of the body, the nervous and endocrine systems are also covered, with a greater emphasis on neuroanatomy than on endocrinology. The course is taught both systemically and regionally, with developmental anatomy added when applicable. The muscles, bones, nerves and circulation of the limbs and back are approached regionally so as to better integrate all structures for student comprehension and retention. Organs, organ systems and neuroanatomy are taught from a systemic perspective. Course material progresses from a cellular and tissue level to an organ and organ system level. As each region or organ system is completed, its relationship to other organs systems and the whole organism is stressed. Specific functions especially as they are related intimately to structure are also studied. For example, the presentation of the heart and of the Central Nervous System includes information on function.

Chemistry 120 (General College Chemistry)
Course ID# 1200C
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the physical science requirements
Description: The theory and structure of reciprocal economic
requirement for high school graduation

Description: This course is the first semester of general college chemistry, equivalent to CHEM 001A at the University of California, Berkeley. It covers chemical concepts including elements, atoms, molecules, chemical reactions, chemical calculations, gases and gas laws, thermo chemistry, quantum theory, chemical bonding, pure phases and solutions, and an introduction to acids, bases and chemical equilibrium.

**Physics 130 (General Physics)**
Course ID# 130CC
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the physical science requirement for high school graduation
Description: For students majoring in engineering, physics and chemistry, this course presents a lecture and laboratory study of mechanics and properties of matter, statics and dynamics of translation and rotation, fluid mechanics, wave motion and sound.

**Physics 230 (General Physics)**
Course ID# 230CC
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the physical science requirement for high school graduation
Description: This course is a continuation of PHYS 130. The fundamentals of electricity and magnetism will be presented, including study of electric fields, potential, resistance, current electricity, DC networks, magnetism, inductance, alternating current, electromagnetic waves and electronics.

**History 123 (History of African Americans in the US (Pre-Colonial -1865)**
Course ID# 123CC
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the social science requirement for high school graduation
Description: This course is a survey of Africans’ role in American history which covers pre-colonial to 1865. Students will gain a deeper understanding of the geographic migrations of African people to the United States. Students will analyze the development of African American economic, social, and political institutions, as well as the U.S. Constitution. The historical development and contributions of Africans and other ethnic groups including Native Americans, Latinos, Asians, and Europeans will also be examined.

**Humanities 113 (African American Humanities)**
Course ID# 113CC
Grades: 9-12

**Course Length:** Semester
**Graduation:** Satisfies one semester of the elective requirement for high school graduation
**Description:** This course presents an integrated and historical study of African American culture and African Americans’ influence upon American life. Emphasis will be upon philosophy, fine and applied arts, and ways by which they reflect the social, political, and economic realities of a culture.

**Speech 120 (Public Speaking)**
Course ID# 120CCC
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the elective requirement for high school graduation
Description: This course provides students the opportunity to gain confidence in a variety of speaking formats, including informative, persuasive, impromptu and narrative presentations. Students will gain proficiency in listening to and evaluating public speeches. This course presents the principles of good oral communication, with attention given to research and delivery techniques and critical evaluation of public communication.

**Speech 122 (Intercultural Communication)**
Course ID# 122CCC
Grades: 9-12
Course Length: Semester
Graduation: Satisfies one semester of the elective requirement for high school graduation
Description: This course provides students the opportunity to learn the theory and process of communicating with people of various cultures, races and ethnicities. The specific focus for this course will be to develop the ability to acknowledge and understand the unique voices of people who have roots in different cultures.

---

**LEGEND**

<table>
<thead>
<tr>
<th>AP</th>
<th>Advanced Placement Course / Meets UC/CSU Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL</td>
<td>Bilingual Speaker Course</td>
</tr>
<tr>
<td>ELD</td>
<td>English Language Development Course</td>
</tr>
<tr>
<td>H</td>
<td>Honors Level Course / Meets UC/CSU Requirements</td>
</tr>
<tr>
<td>P</td>
<td>College Preparatory Course / Meets UC/CSU Requirements</td>
</tr>
<tr>
<td>ROP</td>
<td>Regional Occupational Program Course</td>
</tr>
<tr>
<td>SL</td>
<td>Sheltered English Course—also known as</td>
</tr>
</tbody>
</table>
nutrition counselors and interns in Sports and Medical settings.

**Subject: Laboratory Science-Category: Biological Science**

Biomedical Science [P]
Course ID #62588
Meets UC/CSU (d) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school laboratory science requirements for graduation

Description: Biomedical Science is the application of human biology, anatomy and physiology-based science to medical use, including research, laboratory experimentation and testing, health monitoring, and treatment. As 21st century medicine and healthcare become increasingly more sophisticated, the demand grows for highly skilled health care professionals as well as biomedical scientists and biomedical technicians capable of performing and analyzing a battery of technical procedures to screen, maintain and improve human health. Biomedical Science is an applied Anatomy and Physiology course that provides an introduction to essential concepts, principles and practices of biomedicine. The course engages students in learning through applications and emphasizes problem solving, analytical thinking and concept development. Students complete a series of laboratory experiments and projects, as well as in-depth case studies related to human disease and its treatment.

**Subject: World Language-Category: LOTE 3**

American Sign Language 3[P]
Course ID #41300
Meets UC/CSU (e) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school foreign language requirements for graduation

Description: ASL III is a communication based course in which students use receptive and expressive ASL skills as they continue to develop fluency. Students learn to use these skills while exploring a variety of themes and topics. They continue to develop cultural sensitivity and awareness of appropriate behaviors and attitudes within the target culture. Students will meet the expectations of the communicative functions within the context of familiar vocabulary and structures. They will communicate in a manner that is comprehensible to a native speaker who is accustomed to non-native speakers. Errors are limited and are addressed in a way which promotes communication and student confidence in an effort to develop fluency. Students are expected to compose, translate, and deliver signed presentations on a regular basis. Students will begin to learn to alter and revise to ensure the correct use of the mechanics and conventions of sign language.

**Subject: Laboratory Science-Category: Biological Science**

Biomedical Science [P]
Course ID #62588
Meets UC/CSU (d) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school laboratory science requirements for graduation

Description: Biomedical Science is the application of human biology, anatomy and physiology-based science to medical use, including research, laboratory experimentation and testing, health monitoring, and treatment. As 21st century medicine and healthcare become increasingly more sophisticated, the demand grows for highly skilled health care professionals as well as biomedical scientists and biomedical technicians capable of performing and analyzing a battery of technical procedures to screen, maintain and improve human health. Biomedical Science is an applied Anatomy and Physiology course that provides an introduction to essential concepts, principles and practices of biomedicine. The course engages students in learning through applications and emphasizes problem solving, analytical thinking and concept development. Students complete a series of laboratory experiments and projects, as well as in-depth case studies related to human disease and its treatment.

**Subject: World Language-Category: LOTE 3**

American Sign Language 3[P]
Course ID #41300
Meets UC/CSU (e) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school foreign language requirements for graduation

Description: ASL III is a communication based course in which students use receptive and expressive ASL skills as they continue to develop fluency. Students learn to use these skills while exploring a variety of themes and topics. They continue to develop cultural sensitivity and awareness of appropriate behaviors and attitudes within the target culture. Students will meet the expectations of the communicative functions within the context of familiar vocabulary and structures. They will communicate in a manner that is comprehensible to a native speaker who is accustomed to non-native speakers. Errors are limited and are addressed in a way which promotes communication and student confidence in an effort to develop fluency. Students are expected to compose, translate, and deliver signed presentations on a regular basis. Students will begin to learn to alter and revise to ensure the correct use of the mechanics and conventions of sign language.

**Subject: World Language-Category: LOTE 4+**

AP Japanese Language and Culture
Course ID #44300
Meets UC/CSU (e) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school foreign language requirements for graduation

Description: This course is designed for those who have taken Japanese IV or who have the equivalent knowledge and skills. One hundred and more Kanji, Chinese Characters, will be introduced in this course. AP Kanji will be reviewed as well. This course is conducted entirely in Japanese.

**Subject: VAPA-Category: Visual Arts Advanced**

AP Studio Art: Drawing
Course ID #80160
Meets UC/CSU (f) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation

Description: Students in the AP Studio Art: Drawing Course will complete the Drawing Portfolio stated in the student exam poster (addressing Breadth, Concentration and Quality). The portfolio consists of a Breadth section of 12 pieces of work and a Concentration section of 12 pieces of work. Five Quality pieces will be selected for presentation in which students will show mastery in composition, concept and execution. Students will use informed critical decision making in the process of creating art as they develop a comprehensive portfolio. As students work throughout the year they will learn to analyze and discuss their own artwork and that of their peers. There will be regular conversations with the teacher. The class members and teacher will regularly critique each student’s work.

**Subject: VAPA-Category: Theater Arts (Intro)**

Technical Theatre I [P]
Course ID #81596
Meets UC/CSU (f) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation
Subject: History/Social Science-Category: World History/Geography/Cultures

AP Human Geography
Course ID #79400
Meets UC/CSU (a) requirement
Grades: 9-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school social science requirements for graduation
Description: Advanced Placement Human Geography is a year-long course designed to meet the requirements of a semester-long introductory human geography course at the college level. Learning goals for students in the course include, but are not limited to using and thinking about maps and spatial data, understanding and interpreting the implications of associations among phenomena in places, recognizing and interpreting at different scales the relationships among patterns and processes, defining regions and evaluating the regionalization process, and characterizing and analyzing changing interconnections among places.

Subject: History/Social Science-Category: American Government/Civics

Journey for Justice in America (UCCI)
Course ID #82750
Meets UC/CSU (a) requirement
Grades: 12
Course Length: Year
Graduation: Satisfies UC/CSU and high school American Government requirements for graduation
Description: Journey for Justice in America is a course designed to provide students with the necessary skills and content knowledge in American Government to pursue a career in the government services and legal sectors, as well as become informed, active citizens in their respective communities. Students will understand the principles on which the United States was founded, the structure of government at the federal, state and local levels, the individual and civil liberties needed to maintain a democratic society, and the way in which order is maintained through law enforcement and the judiciary.

Subject: Laboratory Science-Category: Biological Science

Biotechnology (ROP)
Course ID #6610R

Subject: Laboratory Science-Category: Biological Science

Principles of the Biomedical Sciences (PLTW)
Course ID #62590
Meets UC/CSU (d) requirement
Grades: 9-12

Course Length: Year
Graduation: Satisfies UC/CSU and high school laboratory science requirements for graduation
Description: This course provides an introduction to the biomedical sciences through exciting "hands-on" projects and problems. Student work involves the study of human medicine, research processes and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person’s life. Key biological concepts including: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. Engineering principles including: the design process, feedback loops, fluid dynamics, and the relationship of structure to function are incorporated in the curriculum where appropriate. The course is designed to provide an overview of all the courses in the Biomedical Sciences program and to lay the scientific foundation necessary for student success in the subsequent courses.

Subject: Laboratory Science-Category: Biological Science

Sports Medicine: Applied Physiology Sport/Health [P]
Course ID #65750
Meets UC/CSU (d) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school laboratory science requirements for graduation
Description: Satisfies UC/CSU and high school laboratory science requirements for graduation
Description: Sports Medicine and Applied Physiology centers around human anatomy and physiology and the interaction of body systems in the prevention, evaluation, management, and rehabilitation of sports and exercise related injuries. The course begins by considering the biological levels of organization pertinent to physiology and a study of each of the major body systems important for the maintenance of homeostasis. Content also includes cellular structure and its chemical response to disease and/or injury. Multiple laboratory activities provide opportunities to apply scientific methodologies and to measure physiological variables during exercise and put knowledge and skills learned in lecture to practical use. Observation, forming hypothesis, experimentation, data collection, and data analysis are emphasized in labs. Supplemental laboratories will allow students to practice theories and techniques learned during class and after school. Students will complete approximately 30 hours of internship hours outside the classroom acting as trainers,
**Description:** Technical Theatre introduces students to the purpose, history, and importance of artistic and technical design for theatre; the many aspects of technical design, theatre and production; and the craft knowledge and skills necessary to design and produce live theatre. Students acquire design and artistic skills that are applied in assignments and projects involving scenery design and construction, stage lighting, sound, properties, costumes, makeup, and projection. Strong emphasis is placed on knowledge of artistic concepts and design techniques, application of art and design principles, safety practice in the theatre context, and backstage and technical aspects of theatre design and production.

**Subject: VAPA-Category: Theater Arts (Advanced)**

**Play Production (ROP)**  
Course ID: #8967R  
Meets UC/CSU (f) requirement  
Grades: 11-12  
Course Length: Year  
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation  
**Description:** Play Production offers the advanced theatre student the opportunity to gain additional experience in dramatic arts through acting, technical theatre, and exploration of theatre within a historical and cultural context. Students engage in character study analysis and creative development of stage personalities. The class participates in all aspects of producing a play, including scene design and construction, costume design, sound and lighting design, make-up, properties acquisition, and publicity. Students work as an ensemble to produce and perform in major school productions and participate in local theatre competitions.

**Subject: VAPA-Category: Visual Arts (Advanced)**

**Advanced Photography (ROP)**  
Course ID: #8270R  
Meets UC/CSU (f) requirement  
Grades: 11-12  
Course Length: Year  
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation  
**Description:** In this advanced photography course, students deepen their knowledge of photography by building on the knowledge and skills previously acquired in Photography. They increase their expertise by working through the advanced Visual and Performing Arts Standards. This course will familiarize the student with advanced photographic equipment, materials, and methods. Students deepen and broaden their investigation of artistic photography while improving their techniques and developing a personal style. They communicate to others through their artwork and discuss the role and purpose of the art being produced. In creating their own works and by studying the photographs of others, students increase their ability to make informed aesthetic judgments. Students complete a portfolio of advanced photography and exhibit their work in public forums.

**Subject: VAPA-Category: Visual Arts (Intro)**

**Ceramics 1 [P]**  
Course ID: #80550  
Meets UC/CSU (f) requirement  
Grades: 9-12  
Course Length: Year  
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation  
**Description:** Ceramics is an exploratory art study with the ultimate purpose of cultivating the creative mind and developing the skills and techniques of clay sculpting. Through this course, students will be introduced to the basics of ceramics and the fundamentals of three-dimensional arts. Students will be trained in ceramic methods such as hand building, glazing and “throwing” pottery. The course content will encompass the history and terminology of the field, and will strive to foster an appreciation of ceramic art. Based on ceramic concepts, elements and the wider principles of art, students will also participate in class critiques of the work of ceramic artists as well as their own work. Furthermore, a significant component of the curriculum will be geared toward personal development as a whole, where students will be challenged to express their artistic ability through problem solving, communication and management of time. A computer based multimedia presentation on an assigned research project will be employed to increase their comprehension, and exploring different media will be incorporated in the process of creating ceramic art.

**Subject: VAPA-Category: Visual Arts (Intro)**

**Computer Graphic Arts (ROP)**  
Course ID: #3060R  
Meets UC/CSU (f) requirement  
Grades: 11-12  
Course Length: Year  
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation  
**Description:** This class will enable students to achieve an understanding and appreciation of artistic expression and use this knowledge to enhance visual communication. Students will explore drawing techniques and tools used in computer art and digital graphics. The historical, social and cultural uses of art are explored and analyzed. Students create original art projects using contemporary techniques in computer graphics. Students keep design journals, critique their work and the works of others, and maintain portfolios of their artwork and writing.
Graphic Arts integrates both the California Visual and Performing Arts Standards with career preparation standards in the application of graphic arts in publishing, design, and illustration in contemporary media.

Subject: VAPA-Category: Visual Arts (Intro)

Digital Photography (ROP)
Course ID: #8271R
Meets UC/CSU (f) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school fine arts requirements for graduation
Description: Photography, as a nonverbal language, allows students to increase their visual perception and provides a medium for creative expression. Students work with the elements of art and principles of design, using digital software such as Adobe Photoshop. They discuss, analyze, and synthesize those principles, applying them to create their own works of art in the medium of digital photography. Their artwork reflects craftsmanship and technical skill, extending to the manipulation of digital imagery and reflecting refined observational skills. Students deepen and broaden their investigation of artistic photography while improving their techniques and developing a style. They communicate to others through their artwork and discuss the role and purpose of the art being produced, while also studying how art historians determine the value, context and culture of works from the past. In producing their own works and by studying the photographs of others, students develop a basis for making informed aesthetic judgments. Course work emphasizes student created photographic art works as well as analytical reading, writing and critiques. Students will analyze photographic works through discussion or writing using the appropriate vocabulary for describing techniques and aesthetic qualities.

Subject: Elective Classes-Category: English

Journalism (ROP)
Course ID: #3686R
Meets UC/CSU (g) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school elective requirements for graduation
Description: In this course students expand their English/Language Arts skills through creating and publishing the school newspaper and posting weekly stories on the school newspaper's website. Students are required to write monthly assignments of up to 2000 words for the newspaper plus additional pieces for other class projects and their journals. They practice varied forms of journalistic and creative writing including news, features, and sports stories as well as reviews and editorials. Local newspapers and other writings by professional journalists are used to examine and analyze style and syntax. Students also explore the history of journalism and its role in American society. The internet is used for research. In the process of writing their stories, laying out the newspaper pages, and designing advertising, students learn to use specialized software for word processing, page layout and graphic design.

Subject: Elective Classes-Category: Math

Computer Programming (ROP)
Course ID: #3055R
Meets UC/CSU (g) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school elective requirements for graduation
Description: Computer Programming students use Windows-based software and C++, and/or Visual Basic to develop programs for projects with emphasis on critical thinking skills, probability and logic. Students gain mathematical understanding of formulas, how equations are input and accessed, logical systems, the flow of code, data, use of hot links and sorting. Working with Microsoft Office programs and others, students learn scripting and integration of programs. The Internet is used for research and students may design home pages with HTML.

Subject: Elective Classes-Category: English

Creative Writing (ROP)
Course ID: #3470R
Meets UC/CSU (g) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school elective requirements for graduation

Description: *Creative Writing* offers experiences in reading, writing, and publishing, so that students perceive themselves as writers who can be published. Students read extensively in short fiction and poetry, and write frequently, participating in the campus literary magazine. Students will author a website to publish their own work. In addition, students will participate in a public poetry reading and submit their work to at least one contest and publication outside the school community. This course prepares students for entry-level positions in the desktop publishing industry. Integrated throughout the course are career preparation standards which include basic academic skills, communication, interpersonal skills, problem solving, workplace safety, technology and employment literacy.

**Subject: Elective Classes-Category: Interdisciplinary**

Introduction to Engineering Design (PLTW)
Course ID #6878R
Meets UC/CSU (g) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school elective requirements for graduation

Description: The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community.

**Subject: Elective Classes-Category: Interdisciplinary**

Principles of Engineering (PLTW)
Course ID #6879R
Meets UC/CSU (g) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school elective requirements for graduation

Description: This survey course of engineering exposes students to major concepts they'll encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community.

**Subject: Elective Classes-Category: Science-Physical**

Environmental Science and Green Technology [P]
Course ID #67245
Meets UC/CSU (g) requirement
Grades: 10-11
Course Length: Year
Graduation: Satisfies UC/CSU and high school elective requirements for graduation

Description: This course is a California Partnership Academy class within the Environmental Studies Academy. Human kind is on a collision course with the carrying capacity of the Earth, which raises questions of human survival, or at the very least humans' ability to maintain the current standard of living. Green technology has been advertised as the solution for the future, not only in survival, but in an estimated creation of five million jobs. This course will explore the scientific cornerstones of the environment as well as introducing students to what green technology is and to begin preparing students for job opportunities in this field.

Environmental Geography & Technology [P]
Course ID #6726V
Meets UC/CSU (g) requirement
Grades: 10-11
Course Length: Year
Graduation: Satisfies UC/CSU and high school elective requirements for graduation

Description: This course is a California Partnership Academy class within the Environmental Studies Academy. This course examines major environmental problems with worldwide patterns. Focus is on the interaction between natural systems and human activities that result in environmental change, pollution, and degradation to the Earth’s atmosphere, waters, soil, vegetation, and animal life. Societal conflicts, mitigation, conservation and sustainable resource strategies are discussed. The course aims to connect problems with solutions. To that end, students will develop a research paper focused sharply on one environmental problem, its geographic dimension, and its global presence. Students will also investigate and apply new and emerging environmental technologies and develop an understanding of the concepts and issues involved in an expanding green, sustainable economy and society as well as preparing them for roles in the new green economy.

Subject: Elective Classes-Category: Interdisciplinary

Civil Engineering and Architecture (PLTW)

Course ID #8265R
Meets UC/CSU (g) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school elective requirements for graduation

Description: This course provides an overview of civil engineering and architecture, emphasizing how they are related and interdependent. The curriculum covers topics such as the roles civil engineers and architects play, project planning, site planning, building design, project documentation and presentation. Project based learning activities employ state of the art CAD and stress analysis software, surveying instruments, soil testing equipment and applied computational formulas to structural engineering principles to allow students to gain understanding of the skill bank required of Civil Engineers and Architects. Field trips and guest speakers are a critical link to the “real world” of these career possibilities.

Subject: Elective Classes-Category: Math

Adv. Computer Programming (ROP)

Course ID #2145R
Meets UC/CSU (g) requirement
Grades: 11-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school elective requirements for graduation

Description: Advanced Computer Programming students use Windows-based software and C++/JAVA to develop programs for projects with emphasis on critical thinking skills and logic. Students gain understanding of logical systems, data types, data structures (e.g. linked lists, vectors, arrays), data storage, keyboard and disk input/output, looping and logical control structures, the organization and flow of code, memory management, modern object oriented programming, animation techniques, and windowed programming. The Internet is used for research. Credit toward university requirements may be earned.

Subject: Elective Classes-Category: History/Social Science

Criminal Justice [P]

Course ID #8350V
Meets UC/CSU (g) requirement
Grades: 10-12
Course Length: Year
Graduation: Satisfies UC/CSU and high school elective requirements for graduation

Description: Criminal Justice engages students in examining the history, philosophy, structures, and functions of the American criminal justice system and juvenile justice systems, how they interact in the administration of justice, and their relationship to life in our society. Students will also explore and analyze the three major components of the criminal justice system: the police (including community-based approaches to policing), the courts, and corrections. Emphasis is also placed on constitutional issues related to criminal justice (primarily those arising under the Fourth, Fifth, and Sixth Amendments) and on students acquiring and demonstrating knowledge and skills in legal research, legal reasoning, and legal advocacy.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[AP]</td>
<td>Advanced Placement Course / Meets UC/CSU Requirements</td>
</tr>
<tr>
<td>BL</td>
<td>Bilingual Speaker Course</td>
</tr>
<tr>
<td>ELD</td>
<td>English Language Development Course</td>
</tr>
<tr>
<td>[H]</td>
<td>Honors Level Course / Meets UC/CSU Requirements</td>
</tr>
<tr>
<td>[P]</td>
<td>College Preparatory Course / Meets UC/CSU Requirements</td>
</tr>
<tr>
<td>ROP</td>
<td>Regional Occupational Program Course</td>
</tr>
<tr>
<td>SL</td>
<td>Sheltered English Course—also known as Specially-Designed Academic Instruction English (SDAIE)</td>
</tr>
</tbody>
</table>