Course Guide and Prerequisites


Subject Area: Social Science

| Course Title | grade |
| :--- | :---: |
| World Cultures | 10 |
| AP European History (AP) | $10-12$ |
| US History | 11 |
| AP US History (AP) | 11 |
| Government/Economics | 12 |
| AP Government and Politics US (AP)/Economics | 12 |
| AP Human Geography (AP) | $10-12$ |

## Subject Area: English

| Course Title | grade |
| :--- | :---: |
| English 1 | 9 |
| Honors English 1 | 9 |
| English 2 | 10 |
| Honors English 2 | 10 |
| English 3 | 11 |
| AP English Language (AP) | 11 |
| AP English Literature (AP) | 12 |
| English 4 | 12 |
| English 4: CSU ERWC | 12 |
| AP Seminar (AP) | $10-12$ |

## Subject Area: Math

| Course Title |
| :--- |
| Integrated Math 1 Foundations |
| Integrated Math 1 |
| Integrated Math 2 Foundations |
| Integrated Math 2 |
| Integrated Math 3 Foundations |
| Integrated Math 3 |
| Financial Algebra |
| Exploration in Data Science |
| Satistics/Probability/Problem Solving |
| Trigonometry |
| Pre Calculus |
| Highlights of Calculus |
| AP Calculus A/B (AP) |
| AP Calculus B/C (AP) |
| AP Statistics (AP) |
| Personal Business Finance |

## Subject Area: Science

## Course Title

## Biology: The Living Earth

Chemistry of the Earth's Systems
Honors Chemistry of the Earth's Systems
Physics in the Universe
Honors Physics in the Universe
Human Anatomy and Physiology
Forensics

AP Environmental Science (AP)

| grade |
| :---: |
| 9 |
| $10-12$ |
| $10-12$ |
| $10-12$ |
| $10-12$ |
| $10-12$ |
| $11-12$ |
| $11-12$ |



| grade |  |  |  | prerequisite |
| :---: | :---: | :---: | :---: | :--- |
| $9-12$ |  |  |  | D or F in previous math course (8th grade) |
| $9-12$ |  |  | c | C or better in previous course |
| $9-12$ |  |  |  | D or better in Integrated Math 1 |
| $9-12$ |  |  | c | Cor better in Integrated Math 1, "B" recommended |
| $9-12$ |  |  |  | Integrated Math 1 and Integrated Math 2 ("D or Low C") |
| $9-12$ |  |  | c | C or better in Integrated Math 2, "B" recommended |
| $11-12$ |  |  | c | C or higher in IM2 |
| $11-12$ |  |  |  | C or higher in IM2 |
| $9-12$ |  |  | c | C or higher in IM3 |
| $9-12$ |  |  | c | C or higher in IM3 |
| $9-12$ |  |  | c | B recommended in IM3 |
| $9-12$ |  |  | c | C or lower in Pre Calculus |
| $10-12$ | $\checkmark$ |  | c | Pre-Calculus (Recommended: B in Precalculus) |
| $10-12$ | $\checkmark$ |  | c | AP Calculus A/B (Recommended: B in Calculus A/B) |
| $11-12$ | $V$ |  | c | A or B in Algebra 2 and English, 3.0 College Prep GPA |
| $11-12$ |  |  |  | Integrated Math 1 and Integrated Math 2 (cannot be used for college admissions) |


|  | prerequisite |
| :--- | :--- |
| a | None |
| a | A or B English, 3.0 GPA |
| W | A orld Cultures |
| g | US History |
| A or B in US History/AP US History and English 11/AP English Language, 3.0 College Prep <br> GPA |  |
| A or B in English and/or previous Social Science class, 3.0 College Prep GPA ;only counts <br> SS Elective |  |

## prerequisite

None
A or B in previous English, Grade Level Reading Recommended (8)
English1
A or B in Honors English/English 1, 3.0 GPA
English 2
A or B in Honors English 2/ English 2, 3.0 College Prep GPA
A or B in AP English Language/English, 3.0 College Prep GPA
English 3
English 3
3.0 College Prep GPA, only counts as an English Elective

C or better in previous course
D or better in Integrated Math 1
Cor better in Integrated Math 1, "B" recommended
Integrated Math 1 and Integrated Math 2 ("D or Low C")
C or better in Integrated Math 2, "B" recommended

Corer

C or higher in IM3
C or higher in IM3
B recommended in IM3
C or lower in Pre Calculus
Pre-Calculus (Recommended: B in Precalculus)

A or B in Algebra 2 and English, 3.0 College Prep GPA
Integrated Math 1 and Integrated Math 2 (cannot be used for college admissions)

| prerequisite |
| :--- |
| None |
| Biology, Concurrent enrollment in IM1 |
| Biology and Integrated Math 2 with B or better, 3.0 College prep GPA |
| Biology, Concurrent enrollment in IM1 |
| Biology and Integrated Math 2 with B or better, 3.0 College prep GPA |
| Integrated Math 1, Biology with "C" or better, and concurrently enrolled in Chemistry or <br> Physics |
| 2 years of science (Biology, Chem, Physics) and Integrated Math 1 with a "C" or better |
| A or B in 2 years of College Prep Science and Integrated Math 1; concurrent enrollment in <br> Int Math 2 or higher recommended, 3.0 College Prep GPA |


| AP Biology (AP) | 11-12 | $\checkmark$ | $V$ | d | B in Biology, Chemistry, and Integrated Math 2, 3.0 College prep GPA |
| :---: | :---: | :---: | :---: | :---: | :---: |
| AP Chemistry (AP) | 11-12 | $\checkmark$ | $\checkmark$ | d | A or B in Honors Chemistry (or Chemistry with Teacher's recommendation) and Integrated Math 3, 3.0 College Prep GPA |
| AP Physics 1(AP) | 11-12 | $\checkmark$ | $V$ | d | A or B Chemistry or Physics and Integrated Math 3; Concurrent enrollment in PreCalculus or higher, 3.0 College Prep GPA |
| Subject Area: Language other than English |  |  |  |  |  |
| Course Title | grade |  |  |  | prerequisite |
| German1 | 9-12 |  |  | e | C in English recommended |
| German 2 | 9-12 |  |  | e | C (B recommended) in German1 |
| German 3 | 9-12 |  |  | e | C (B recommended) in German 2 |
| AP German (AP) | 9-12 | $\checkmark$ |  | e | C in English recommended |
| Spanish 1 | 9-12 |  |  | e | C (B recommended) in Spanish 1 (or middle school Span 1A + 1B); 'C' in English required |
| Spanish 2 | 9-12 |  |  | e | C (B recommended) in Spanish1 (or middle school Span 1A + 1B); 'C' in English required |
| Spanish 3 | 9-12 |  |  | e | C (B recommended) in Spanish 2 (or middle school Span 2) |
| Spanish 4 Honors | 9-12 | $\checkmark$ |  | e | C in Spanish 3 |
| AP Spanish (AP) | 9-12 | $\checkmark$ |  | e | Spanish 3 or 4 Recommended: C in Spanish 3 or 4 |
| French 1 | 9-12 |  |  | e | C in English required |
| French 2 | 9-12 |  |  | e | C in French 1 |
| French 3 | 9-12 |  |  | e | C in French 2 |
| French 4 | 9-12 |  |  | e | C in French 3 |
| AP French (AP) | 9-12 | $\checkmark$ |  | e | French 3 or 4 Recommended: C in French 3 or 4 |
| Subject Area: Visual And Performing Arts (VAPA) |  |  |  |  |  |
| Course Title | grade |  |  |  | prerequisite |
| Ceramics 1 | 9-12 |  |  | f | None |
| Ceramics 2 | 10-12 |  |  | f | C in previous level Ceramics and Sculpture |
| Ceramics 3,4 | 10-12 |  |  |  | C in previous level of Ceramics |
| Drawing and Painting 1 | 9-12 |  |  | f | None |
| Drawing and Painting 2-3 | 9-12 |  |  | f | C in previous level Drawing and Painting |
| AP Drawing (AP) | 10-12 | $\checkmark$ |  | f | A or B in Drawing \& Painting 3 or approval from teacher if only year 2 completed |
| Digital Art 1 | 9-12 |  | $V$ | f | None |
| Digital Art 2 | 10-12 |  | $V$ | f | C in Digital Art 1 |
| AP 2 D Design (AP) | 11-12 | $\checkmark$ | $V$ | f | A or B in Digital Art 2, 3.0 College Prep GPA |
| Drama 1 | 9-12 |  |  | f | None |
| Drama 2-4 | 9-12 |  |  | f | C in Drama 1 |
| Musical Theatre | 10-12 |  |  |  | Drama 1, Choir, or Participation in a High School Theatre Production |
| Video Production 1 | 9-12 |  | $V$ | f | None |
| Video Production 2 | 10-12 |  | $V$ | g | C in Video Production 1 |
| Intro Tech Theatre | 9-12 |  |  | f | none |
| Technical Theater in Production | 10-12 |  |  | f | A or B Recommended in Intro Tech Theater |
| Guitar | 9-12 |  |  | f | None |
| Advanced Drafting and Architecture | 11-12 |  |  | f | 11-12 Civil Engineering and Architecture or teacher recommendation |
| Film as Visual Literature | 11-12 |  |  | f | 2.5 college prep GPA |
| Orchestra | 9-12 |  |  | f | 3 years of music experience - private or in public education |
| Concert Band/Color Guard | 9-12 |  |  | f | None |
| Jazz Band | 9-12 |  |  | f | Audition only |
| Jazz Choir | 9-12 |  |  | f | Audition only |
| Concert Choir | 9-12 |  |  | f | None |
| Chamber Choir | 9-12 |  |  | f | Audition only |
| PE/Health |  |  |  |  |  |
| Course Title | grade |  |  |  | prerequisite |
| Fitness 1 | 9 |  |  |  | None |
| Fitness 2: Team Sports | 10-12 |  |  |  | Fitness 1 |
| Course 3: Dance | 10-12 |  |  |  | Fitness 1 |
| Course 3: Weight Training | 10-12 |  |  |  | Fitness 1 |
| Course 3: Yoga | 10-12 |  |  |  | Fitness 1 |
| Course 4: Advanced Conditioning (football) | 10-12 |  |  |  | Fitness 1 |
| Course 4: Sports Specific Training | 10-12 |  |  |  | Fitness 1 |
| Drivers Education/ Health | 9-12 |  |  |  | None |
| Health (1 semester) | 11-12 |  |  |  | None |
| Enriched Health Education (yearlong) | 9-12 |  |  | g | None |
| Career and Technical Education (CTE) |  |  |  |  |  |
| Course Title | grade |  |  |  | prerequisite |
| Engineering Technology | 9-12 |  | $\checkmark$ | g | Concurrent Enrollment in Integrated Math 1 or higher |
| Advanced Engineering Technology | 10-12 | $\checkmark$ | $\checkmark$ | d | "C" in Engineering Design, and concurrent enrollment in Integrated Math 2 or higher |
| Architectural Engineering | 10-12 | $\checkmark$ | $\checkmark$ | d | none |
| Patient Care I | 11-12 |  | $\checkmark$ |  | "C" in Integrated Math 1 or higher |
| Manufacturing and Product Design | 9-12 |  | $\checkmark$ | g | Enrolled in Integrated Math 1 or higher |
| Adv. Manufacturing and Product Design | 10-12 |  | $\checkmark$ | g | Complete Intro. Product Innovation and Design with a "C" or better; Concurrent enrollment in Integrated Math 1 or higher; or teacher approval |


| Honors. Manufacturing and Product Design | 11-12 | $\checkmark$ | $\checkmark$ | g | Advanced Manufacturing and Product Design with a "B" or better OR Introduction to Manufacturing and Product Design with teacher approval |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TV Productions | 11-12 |  | $\checkmark$ |  | C in Video Production 2 |
| Computer Applications | 9-12 |  | $\checkmark$ |  | none |
| Computer Game Design and Animation | 10-12 |  | $\checkmark$ | g | none |
| Exploring Computer Science | 9-12 |  | $\checkmark$ | g | none |
| Computer Science and Programming | 10-12 |  | $\checkmark$ | g | C or better in Integrated Math 1 and Exploring Computer Science |
| AP Computer Sci A (AP) | 11-12 | $\checkmark$ | $\checkmark$ | c | A or B in Exploring Computer Science AND Computer Science and Programming OR Eng Design and HPOE; 3.0 College GPA |
| Career and Technical Education Internship (Work Experiance) | 11-12 |  | $\checkmark$ |  | valid work permit |
| Electives |  |  |  |  |  |
| Course Title | grade |  |  |  | prerequisite |
| AP Research (AP) | 11-12 | $\checkmark$ |  | g | A or B in AP Seminar, 3.0 College Prep GPA |
| Yearbook | 9-12 |  |  |  | 2.0 GPA, B in English |
| Humanities (Academic Decathlon) | 9-12 |  |  | g | None |
| Speech and Debate 1 | 9-12 |  |  | g | None |
| Speech and Debate 2 | 10-12 |  |  | g | C in Speech and Debate 1 |
| ASB Government/Leadership | 9-12 |  |  |  | elected/application based course |
| Life Skills | 11-12 |  |  |  | None |
| Sociology/Psychology | 11-12 |  |  | g | Recommended: 2.5 overall GPA |
| AP Psychology (AP) | 11-12 | $\checkmark$ |  | g | 3.0 College Prep GPA |
| Success 101 | 9 |  |  |  | counselor/teacher recommendation/placement |
| Ethnic Studies | 9-12 |  |  |  | None |
| Teacher Assistant | 11-12 |  |  |  | None; teacher approval |
| TA Office | 11-12 |  |  |  | None; office approval |
| Open periods (1): 1st or 6th | 11-12 |  |  |  | Must have completed 120 credits by the beginning of 11th grade |
| Open periods (2): $1 \mathrm{st} / 2 \mathrm{nd}$, 5th/6th, 1st and 6th | 12 |  |  |  | Must have completed 170 credits by 12th grade 5 period day; 4 period day requires that 180 credits to be complete |
| Definition of Terms: |  |  |  |  |  |
| Earns weighted grade | Course is given an extra grade point in GPA if the course is completed with a "C" or higher |  |  |  |  |
| Fulfills the 3rd yr of science/CTE graduation requirement | Courses in this category fulfill the FCUSD graduation requirement of "Fine Art/Foreign Language/CTE" or "3rd year science/CTE" |  |  |  |  |
| UC a-g approved course | Courses in this category have been approved by the University of California as College Prep courses that are used to calculate college eligibility |  |  |  |  |

