

**Vallejo City Unified School District**

**HIGH SCHOOL COURSE CATALOG**

**2022-2023**



**VALLEJO CITY**

**UNIFIED SCHOOL DISTRICT**

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# COLLEGE ENTRANCE REQUIREMENTS

If students intend to enroll in a UC (University of California) or a CSU (California State University) upon graduation from High School then it is essential to understand the requirements that need to be met.

For most **2 year colleges** and other **post-high school pathways**, meeting the 220 credits required by VCUSD for a VCUSD High School Diploma should be enough for students to meet the entrance requirements.

However, for a **University of California (UC)** or a **California State University (CSU)** there are additional requirements that must be met. Please review the link below. Please note that ALL courses must be passed with a “C” grade or better if they are going to count for UC or CSU admission.

[UC/CSU: Subject Requirements \(A-G\)](#)

Additionally, if a student is planning on pursuing an athletic scholarship, or wishes to compete in athletics at the college level then there are specific requirements that must be met as well. These requirements may NOT necessarily match the VCUSD requirements, so please review the lists of required courses in the link below.

[NAIA College Sports](#)

[Play Division I Sports | NCAA.org - The Official Site of the NCAA](#)

## Can I take College Classes while I am in High School?

Yes, in addition to the classes listed in the course catalog, students can take courses at a local college.

However, there are several restrictions regarding which courses can be taken, and the basic rule is that if the course is offered by VCUSD already, then a student cannot take that course at

a College instead of taking that Course at the High School. Please review the policy below for complete information.

[Access to College Courses for High School Students](#)

# THE FOUR YEAR PLAN

All Students need to work with their counselor to ensure that they have a 4-year plan - this means meeting with the counselor each year to review which classes have been taken (and passed) and which classes should be taken the following year. Below is a sample four-year plan which meets both VCUSD and the UC/CSU and NCAA graduation requirements. This plan includes 240 Credits. Students are required to take at least 5 classes in their senior year, so some students will graduate with more than the 220 required credits.

Sample 4 Year Plan:

Year = Total # of Credits

- Course: # of Credits

## **9th Grade = 60 credits**

- English 9 (English Year 1): 10 credits
- Algebra 1 or Integrated Math 1 (Math Year 1): 10 credits
- Biology (Life Science - Year 1 Science): 10 credits
- PE 9 (PE Year 1): 10 credits
- \*\*\*Get Focused Stay Focused (Elective): 5 credits
- \*\*\*Ethnic Studies (Elective): 5 credits
- Art 1 (VAPA Year 1): 10 credits

## **10th Grade = 60 credits**

- English 10 (English Year 2): 10 credits
- Geometry or Integrated Math 2(Math Year 2): 10 credits
- World History (Social Studies Year 1): 10 credits
- Chemistry (Physical Science - Year 2 Science): 10 credits
- PE 10 (PE Year 2): 10 credits
- Spanish 1 (LOTE Year 1): 10 credits

## **11th Grade = 60 credits**

- English 11 (English Year 3): 10 credits
- Algebra 2 or Integrated Math 3 (Math Year 3): 10 credits
- US History (Social Studies Year 2): 10 credits

- Physics (Science - Additional Year): 10 credits
- Spanish 2 (Elective - Year 2 of LOTE): 10 credits
- \*\*Intro to Design (Elective - CTE Pathway Year 1): 10 credits

### **12th Grade = 60 credits**

\*Students must take at least 5 classes in their senior year.

- English 12 (English Year 4): 10 credits
- Pre-Calc (Math - Additional Year): 10 credits
- Government and Economics (Social Studies Year 3): 10 credits
- \*\*Principles of Engineering (Elective - CTE Pathway Year 2): 10 credits
- Spanish 3 (Elective - Year 3 of LOTE): 10 credits
- Team Sports (Elective): 10 credits

\*Classes are required for graduation.

\*\*All students are expected to take 2 courses within one CTE pathway as part of their elective courses.

\*\*\*Get Focused, Stay Focused and Ethnic Studies are required classes for all freshmen, for elective credit. Each class is half a year (one semester) and earns 5 credits upon passing.

### Sample 4-Year Plan:

The chart below shows how the credits in the plan above can be applied to the VCUSD Graduation requirements and will also meet the UC/CSU and NCAA requirements. The student had 80 credits of Electives rather than the required 60 credits, but they needed to take the 6th class in 11th grade. They could have taken 5 classes as a senior - with their parent(s)'s/guardian(s)'s permission, but if this student was trying to meet the recommended UC/CSU and NCAA requirements then they needed to take the third year of Spanish as a senior. This is where the 4-Year Plan meetings with the counselors are so important for students each year.

There are many different ways that students can reach both the VCUSD and the A-G UC/CSU requirements, and it's important to make sure that each student is having those conversations with their counselors each year.

Especially during course selection which happens each Spring.

Course

- Credits recommended for UC/CSU entrance

**English**

- 40 credits (4 years) recommended for UC/CSU entrance

**Math**

- 40 credits (4 years) recommended for UC/CSU entrance

**Science**

- 30 credits (3 years) recommended for UC/CSU entrance

**Social Studies**

- 30 credits (3 years) recommended for UC/CSU entrance

**PE**

- 20 credits (2 years) recommended for UC/CSU entrance

**VAPA**

- 10 credits recommended for UC/CSU entrance

**LOTE**

- 30 credits (3 years) recommended for UC/CSU entrance

**Electives**

- 40 credits recommended for UC/CSU entrance

## **Course Completion in Middle School**

If students take math classes such as Integrated Math 1/Algebra or Integrated Math 2/Geometry in Middle School then they will continue with the course progression after the classes they have already completed. However, they will still need to complete three years of math in High School. For example, if a student completed Algebra 1 in 8th grade then they would take Geometry in their 9th-grade year, then Algebra 2 in their 10th-grade year, and then Pre-Calculus as a Junior.

This would allow the student to continue and take a fourth year of math in High School - AP Calc AB or BC if they wanted to. They would receive High School Credits for the courses completed during High School. Therefore they will NOT receive credits on their transcript for the Algebra 1 course completed in 8th grade.

The same would apply if a student completed Spanish 1 in Middle School, they would move on to take Spanish 2 in High School. Students will NOT receive High School credits for the

courses they complete in Middle School. They will have completed the courses which allow them.



# Career Academies and Pathways

There are several different CTE pathways (Career and Technical Education) available to students across the VCUSD High Schools. In the past, each High School was broken up into 4 or 5 vertical academies which essentially required students to stay within one pathway. Now students can access a variety of CTE courses, from more than one pathway, as long as they complete at least 2 years from one of the pathways. This flexibility allows students to take classes in various industry sectors.

There are 15 CTE sectors recognized across the State of California. VCUSD offers pathways in six of them.

## Industry Sector

- Pathway

## Arts, Media, and Entertainment

- Multimedia

## Building and Construction Trades

- Construction

## Engineering and Architecture

- Engineering

## Health Science and Medical Technology

- Biomedical
- Biotechnology
- Patient Care

## Hospitality, Tourism and Recreation

- Hospitality

## Public Services

- Law

Please see the link below for a graphic that shows all 15 sectors and describes the sectors offered in VCUSD.

[CTE Industry Sectors](#)

## **Course Sequences for Career Pathways**

Students are highly encouraged to complete a 3-course sequence in an academy/pathway that typically starts in the 9-10th grade. General complete course sequences include an introductory course, concentrator course, and a capstone course. Some programs have more than one capstone option. However, CTE completers, which is measured for College and Career Indicators index used to calculate the California Dashboard, only require the completion of a concentrator and capstone course. Below are the course sequences that pertain to each VCUSD academy/pathway.

### **Biomedical Project Lead the Way (PLTW) Academy - JBHS**

- Introductory: Human Body Systems
- Concentrator: Principles of Biomedical Science
- Capstone: Medical Interventions

### **Biotechnology Pathway - VHS**

- Introductory: Biotechnology 1
- Concentrator: Biotechnology 2
- Capstone: Chemistry for Biotechnology

### **Construction Pathway - VHS**

- Introductory: Intro Construction Technology
- Concentrator: Intermediate Construction Technology

- Capstone: Advanced Construction Technology

### **Engineering PLTW (Project Lead the Way) Academy - VHS**

- Introductory: Introduction to Design
- Concentrator: Principles of Engineering
- Capstone: Civil Engineering OR Engineering Design & Development

### **Hospitality Academy - VHS**

- Introductory: Principles of Hospitality and Tourism
- Concentrator: Delivering Great Customer Service (Sem) + Hospitality Marketing (Sem)
- Capstone: Event Planning (Sem) + Entrepreneurship (Sem)

### **Law Academy - JBHS**

- Introductory: Intro to Law and Speech Communications
- Concentrator: Practical Law
- Capstone: Investigating Law and Justice

### **Multimedia Pathway - JBHS & VHS**

- Introductory: Multimedia 1
- Concentrator: Multimedia 2
- Capstone: Multimedia 3

### **Patient Care Pathway - VHS**

- Introductory: *Foundations of Health Sciences*
- Concentrator: Medical Terminology
- Capstone: *Medical Professions?*

# Frequently Asked Questions (FAQ's)

Valedictorian Policy:

Athletic Eligibility:

Incomplete Grades Policy: (make up within a quarter-semester).

? Will we include this for now?

## ENGLISH COURSES

The Vallejo City Unified School District is committed to a standards-based English program that enables students to function as informed and effective citizens, prepares them for the world of work and enhances personal fulfillment. We are committed to ensuring that all students reach rigorous and challenging levels of achievement that will provide them with a full range of reading, writing, speaking and listening skills. In addition, they will acquire knowledge of and appreciation for our cultural heritage and a deeper understanding of themselves and others. Our student-centered classrooms are both active and interactive. We support instructional activities that are functional and purposeful, and conceptually demanding, causing students to explore, share and reflect.

Course Title: **English 9P**

Course #: **109015**

Grade Level: **9**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **English**

UC/CSU (A-G) Requirement: **B**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This required course emphasizes proficiency in the California Language Arts Content Standards for reading, writing, listening, and speaking. Students will read multicultural short fiction and non-fiction from the district-adopted grade-level curriculum. Students also read longer works of fiction for literary analysis. Students will work to pass writing proficiency as they compose works such as biographical or autobiographical essays, persuasive essays, responses to literature, letters, and technical documents.

Course Title: **English 9 HP**

Course #: **109521**

Grade Level: **9**

Duration/Term: **Year/10 credits**

Graduation Requirement: **English**

UC/CSU (A-G) Requirement: **B**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This required course emphasizes proficiency in the California Language Arts Content Standards for reading, writing, listening, and speaking. Students will read multicultural short fiction and non-fiction from the district-adopted grade-level curriculum. Students also read longer works of fiction for literary analysis. Students will work to pass writing proficiency as they compose works such as biographical or autobiographical essays, persuasive essays, responses to literature, letters, and technical documents.

Course Title: **English 10 P**

Course #: **111515**

Grade Level: **10**

Duration/Term: **Year/10 credits**

Graduation Requirement: **English**

UC/CSU (A-G) Requirement: **B**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This required course emphasizes proficiency in the California Language Arts Content Standards for reading, writing, listening, and speaking. Students will read multicultural short fiction and non-fiction from the district-adopted grade-level curriculum. Students also read longer works of fiction for literary analysis. Students will work to pass writing proficiency as they compose works such as biographical or autobiographical essays, persuasive essays, responses to literature, letters, and technical documents.

Course Title: **English 10 HP**

Course #: **112521**

Grade Level: **10**

Duration/Term: **Year/10 credits**

Graduation Requirement: **English**

UC/CSU (A-G) Requirement: **B**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This required course emphasizes proficiency in the California Language Arts Content Standards for reading, writing, listening, and speaking. Students will read multicultural short fiction and non-fiction from the district-adopted grade-level curriculum. Students also read longer works of fiction for literary analysis. Students will work to pass

writing proficiency as they compose works such as biographical or autobiographical essays, persuasive essays, responses to literature, letters, and technical documents.

Course Title: **English 11 P**

Course #: **114515**

Grade Level: **11**

Duration/Term: **Year/10 credits**

Graduation Requirement: **English**

UC/CSU (A-G) Requirement: **B**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This required course emphasizes proficiency in the California Language Arts Content Standards reading, writing, listening, and speaking. Students will read multicultural American fiction and non-fiction from the district-adopted grade-level curriculum. Students also read longer works of fiction for literary analysis. Juniors will demonstrate writing standards proficiency as they compose works such as a response to literature, short narratives, reflective compositions, historical investigation reports, job applications, and résumés.

Course Title: **AP English Language and Composition**

Course #: **115724**

Grade Level: **11-12**

Duration/Term: **1 Year/10 credits**

Graduation Requirement: **English**

UC/CSU (A-G) Requirement: **B**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: An intensive, expository writing course for high school juniors or seniors designed to develop advanced writing skills and analytical thinking skills. The student will write and revise papers similar to those required in freshman college composition courses. Completing this rigorous class will prepare students to successfully pass the College Board AP Language and Composition examination.

Course Title: **English 12P**

Course #: **117015**

Grade Level: **12**

Duration/Term: **1 Year/10 credits**

Graduation Requirement: **English**

UC/CSU (A-G) Requirement: **B**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This required course emphasizes proficiency in the California Language Arts Content Standards reading, writing, listening, and speaking. Students will read multicultural American fiction and non-fiction from the district-adopted grade-level curriculum. Students also read longer works of fiction for literary analysis. Seniors will demonstrate writing standards proficiency as they compose works such as a response to literature, short narratives, reflective compositions, historical investigation reports, job applications, and résumés.

Course Title: **Multicultural Literature P**

Course #: **124515**

Grade Level: **11-12**

Duration/Term: **Semester/5 credits**

Graduation Requirement: **English**

UC/CSU (A-G) Requirement: **B**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This standards-based course will focus on the rich heritage of many cultures. Students will read a wide selection of literature, examine the relevance to their own experiences, and analyze the cultural differences presented. Texts will be drawn from short stories on the Pacific Rim, Asian American, women's fiction, and contemporary African-American fiction, among others. Students will write formal and informal essays in response to the literature.

Course Title: **Literature: Science Fiction P**

Course #: **119512**

Grade Level: **11-12**



Duration/Term: **Semester/5 credits**

Graduation Requirement: **English**

UC/CSU (A-G) Requirement: **B**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This standards-based course will focus on the major themes of science fiction and involves the reading of short stories, novels, and plays of that genre.

Emphasis will be placed on the authors' projection of current or future technologies, political institutions, and societal conventions in the future. Students will be expected to take part in critical discussions, learn to write literary analysis essays in order to gain a deeper understanding of the literature read in class, develop their own science fiction stories, and learn the vocabulary necessary to complete assignments.

Course Title: **AP English Literature and Composition**

Course #: **118024**

Grade Level: **12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **English**

UC/CSU (A-G) Requirement: **B**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This is a course in the careful reading and critical analysis of imaginative literature for high school seniors akin to the freshman college introduction to literature class.

Through the close reading of selected texts, students should deepen their understanding of the ways writers use language to provide both meaning and pleasure to their readers. As they read, students will consider a work's structure, style, and themes as well as smaller scale elements such as the use of figurative language, imagery, symbolism, and tone. Completing this rigorous class will prepare students to successfully pass the College Board AP English Literature examination.

Course Title: **English Language Development 1 (ELD 1)**

Course #: **127527**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **English (one year only)**

UC/CSU (A-G) Requirement: **B (one year only)**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This one-year course is for English language learners who are learning very basic skills in English. Students will learn to communicate in Standard English using skills in listening, speaking, reading, and writing following the California Standards for English Language Development. ELD Testing, ELPAC Level 1-2 (Beginning, Early Intermediate)

Course Title: **English Language Development 2 (ELD 2)**

Course #: **128527**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **English**

UC/CSU (A-G) Requirement: **B (one year only)**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This one-year course is for students who have reached an early intermediate to intermediate English proficiency level on the CELDT and are continuing to learn foundational skills in English. Following the California Standards for English Language Development, students will develop basic literacy skills in Standard English. ELD Testing, ELPAC Level 2-3 (Early Intermediate, Intermediate)

Course Title: **English Language Development 3 (ELD 2)**

Course #: **129027**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **English**

UC/CSU (A-G) Requirement: **B (one year only)**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This one-year course is for students who have reached an intermediate to intermediate English proficiency level on the CELDT and are continuing to learn foundational skills in English. Following the California Standards for English Language Development, students will develop basic literacy skills in Standard English. ELD Testing, ELPAC Level 2-3 (Early Intermediate, Intermediate)

Course Title - Course #

- **Life Skills English 9 - #149548**
- **Life Skills English 10 - #150048**
- **Life Skills English 11- #150548**
- **Life Skills English 12 - #151048**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Course for Certification of Completion**

UC/CSU (A-G) Requirement:

Prerequisite: **Individualized Education Plan (IEP)**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This course teaches basic reading, writing, speaking, and listening skills that support independent living. This course is aligned with the California standards and benchmarks, but expectations and/or content are modified, as specified in the student's IEP. Coursework will count towards earning a high school certificate of completion, but will not meet 4-year college admission requirements.

## MATH COURSES

The underlying basis of the mathematics program is to ensure that all students develop a conceptual understanding of mathematics, mathematical reasoning/problem-solving skills, and the ability to apply mathematical concepts to real-world situations by using common, high-level core of knowledge and skills as reflected in the CA Mathematics Content Standards. Priority rests with those concepts and skills that will be used, either directly or as prerequisites, to other principles and techniques in mathematics, physical and social sciences, and in the ordinary day-to-day decision-making of every citizen.

Course Title: **Integrated Math 1**

Course #: **210020**

Grade Level: **9-12**

Duration/Term: **Year/10 Credits**

Graduation Requirement: **Math**

UC/CSU (A-G) Requirement: **C**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: Integrated Math 1 is the first Common Core Math course in a series of three that uses an integrated approach to cover the following conceptual categories: Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. The problem situations, models, math in careers, and technology used will foster connections to the eight standards of mathematical practice, which develop concepts from multiple perspectives and entail depth of knowledge questioning practices. Integrated Math I emphasizes developing and strengthening problem-solving and critical thinking skills. Structured peer-assisted collaborative learning is utilized within the units of study. Teaching methods balance a graphical, numerical, algebraic, and verbal/written approach to deepen student understanding.

Course Title: **Integrated Math 2**

Course #: **210022**

Grade Level: **9-12**

Duration/Term: **Year/10 Credits**

Graduation Requirement: **Math**

UC/CSU (A-G) Requirement: **C**

Prerequisite: **Completion of Integrated Math 1/Algebra 1**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: Integrated Math 2 is the second course of a three-course sequence including Integrated Math 1, Integrated Math 2, and Integrated Math 3. Integrated Math 2 builds and strengthens students' conceptual knowledge of quadratic expressions, equations, and functions, and compares their characteristics and behavior to those of linear and exponential relationships learned in Integrated Math 1. The study of similarity leads to an understanding of right triangle trigonometry and circles, with their quadratic algebraic representations, which round out the course. The problem situations, models, math in careers, and technology used will foster connections to the eight standards of mathematical practice, which develop concepts from multiple perspectives and entail depth of knowledge questioning practices. Integrated Math I emphasizes developing and strengthening problem-solving and critical thinking skills. Structured peer-assisted collaborative learning is utilized within the units of study. Teaching methods balance a graphical, numerical, algebraic, and verbal/written approach to deepen student understanding.

Course Title: **Algebra 2**

Course #: **211015**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Math**

UC/CSU (A-G) Requirement: **C**

Prerequisite: **Completion of Integrated Math 1/Algebra 1 and Integrated Math 2/Geometry**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This two-semester course focuses on such topics as the conic sections, quadratic equations and inequalities, logarithms, and trigonometric applications. It emphasizes problem-solving strategies in conjunction with knowledge of the interconnections among algebra, geometry, and functions to analyze problems and formulate appropriate solutions.

Course Title: **Statistics**

Course #: **217515**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Math**

UC/CSU (A-G) Requirement: **C**

Prerequisite: **Completion of Integrated Math 1/Algebra 1 and Integrated Math 2/Geometry**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This Statistics course will allow students to use real-world data to create mathematical models, and use statistical methods to help them make informed decisions and inferences about the given data. Students will describe and interpret authentic data patterns and deviations from those patterns using bar and circle graphs; Venn diagrams and two-way tables (They will know when each type is appropriate for use to represent the given data). Additionally, students will study the important probability distribution - The Normal Curve (displaying the mean and standard deviation) to help them understand situations when data is spread around the mean.

Course Title: **AP Statistics**

Course #: **217516**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Math Elective**

UC/CSU (A-G) Requirement: **C**

Prerequisite: **Completion of Algebra 2**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: The purpose of this course 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: Exploring Data: Describing patterns and departures from patterns; Sampling and Experimentation: Planning and conducting a study Anticipating; Patterns: Exploring random phenomena using probability and simulation Statistical Inference: Estimating population parameters and testing hypotheses.

Course Title: **Pre-Calculus**

Course #: **213015**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Math Elective**

UC/CSU (A-G) Requirement: **C**

Prerequisite: **Completion of Algebra 2**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This is a university preparatory course for students intending to study calculus. Topics include functions (trigonometric, exponential, logarithmic, vector, and polynomial), trigonometric properties and identities, polar coordinates and graphs, vectors and analytic geometry, and other traditional pre-calculus concepts.

Course Title: **AP Calculus AB**

Course #: **219524**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Math Elective**

UC/CSU (A-G) Requirement: **C**

Prerequisite: **Completion of Pre-Calculus or Algebra 2/Integrated Math 3**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This is a university preparatory course for students intending to study calculus. Topics include functions (trigonometric, exponential, logarithmic, vector, and polynomial), trigonometric properties and identities, polar coordinates and graphs, vectors and analytic geometry, and other traditional pre-calculus concepts.

Course Title - Course #

- **Life Skills Math 9 - #249548**
- **Life Skills Math 10 - #250048**
- **Life Skills Math 11 - #250548**
- **Life Skills Math 12 - #251048**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Course for Certification of Completion**

UC/CSU (A-G) Requirement: **This is a non-college prep course**

Prerequisite: **Individualized Education Plan (IEP)**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: These courses are intended to prepare students for acquiring practical math skills that support independent living. Courses are aligned with the California standards and benchmarks, but expectations and/or content are modified, as specified in the student's IEP. Coursework will count toward earning a high school certificate of completion, but will not meet 4-year college admission requirements.

## SCIENCE COURSES

Science plays a role in the everyday lives of individuals. Through the study of science, students come to understand how the world works around them. By understanding science, individuals will understand that the decisions that they make today will impact the future. Whether it is looking for alternative fuel sources, protecting the Ozone layer, or developing strategies to conserve our natural resources, science education is the key to unlocking the strategies that will make a better future for all citizens. VCUSD offers a variety of physical and life science courses to meet student learning needs. Traditional college prep science courses are offered as well as career-specific courses in the academy pathways.

Course Title: **Anatomy & Physiology P**

Course #: **408515**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Integrated Math 1/Algebra 1 and Biology 1**

School Sites: **Vallejo High**

Course Description: This one-year elective college-preparatory course (formerly called Biology 2) approaches biology through chemistry, cell physiology, and anatomy. The biochemistry section will include the study of the structure and function of DNA, the cell, and the microscopic body structures. Human anatomy and physiology, including reproduction, will be studied as well as comparative anatomy of the major groups of organisms. The course will also emphasize laboratory experience and all labs and dissections will be required.

Course Title: **Biology 1P**

Course #: **408015**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **None**



School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This one-year college preparatory course fulfills the biological science lab course requirement. This course on studying living organisms will focus on the reasons for the diversity of living forms found on earth and how organisms interact with each other to form the Earth's living community. Students will examine specialized structures found in living organisms, how they help the species survive in its environment, and how they have changed through time. The course will examine human impact on the living world and will include the studies of plant, animal, and human reproduction. The course will also emphasize laboratory experience and all labs will be required.

Course Title: **Chemistry P**

Course #: **410015**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This one-year course will provide the student with basic knowledge of the science of chemistry, the use of the scientific method in developing elementary laboratory techniques, and the use of scientific attitudes in solving problems. Content areas will include such topics as the structure of matter, energy, chemical equilibrium, kinetics, solution chemistry, and gas laws.

Course Title: **Forensic Science P**

Course #: **432015**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Science Elective**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **None**

School Sites: **Jesse Bethel High**

Course Description: Forensics is a college-prep laboratory science for students that are college bound and/or interested in the fields of criminal justice, forensics, or other biotech science/bioengineering careers. This class will introduce students to the fields of forensic science and

provide a general overview of the forensic sciences. Students will participate in many qualitative hands-on labs and simulations that develop the practical and theoretical aspects of forensics while developing proficiency in the eight practices of science and engineering detailed in the Next Generation Science Standards (NGSS) as well as the Common Core State Standards. Each unit includes examples of activities pertaining to the unit, all laboratory components, and the specific Next Generation Science Standards addressed.

Course Title: **Physics P**

Course #: **411515**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This college-prep physics course will acquaint the student with the elementary principles concerning forms of energy, its nature, control, and use, and quantitative measurement. The student will be introduced to the basic principles of mechanics, light, sound, heat, magnetism, electricity, and atomic and nuclear physics.

Course Title: **Physics and Technology 1P**

Course #: **411215**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Integrated Math 1/Algebra 1**

School Sites: **Vallejo High**

Course Description: Course work in this class will consist of laboratory activities that apply to the four energy systems: mechanical, fluid, thermal and electrical. The mathematics necessary for the completion of laboratory activities will be included as part of the coursework. This course is recommended for students planning technical careers or who are interested in “hands-on” laboratory activities in applied physics.

Course Title: **AP Biology**

Course #: **409524**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This biology course is equivalent to a college introductory biology course taken during the freshman year of college. This course will focus on understanding important relationships, processes, and mechanisms in biology and will explore potential extensions and applications of concepts. The main topics for the course will include Molecules and Cells (25%), Heredity and Evolution (25%), and Organisms and Populations (50%). Completing this rigorous class will prepare students to successfully pass the College Board AP Biology examination. All students who enroll must commit to taking this exam.

Course Title: **AP Chemistry**

Course #: **411024**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This chemistry course is equivalent to a college introductory course taken during the freshman year of college. This course will emphasize chemical calculations and mathematical formulations of principles by addressing the following topics: structure of matter, kinetic theory of gasses, chemical equilibrium, chemical kinetics, and basic concepts of thermodynamics. Completing this rigorous class will prepare students to successfully pass the College Board AP Chemistry examination.

Course Title: **AP Physics 1**

Course #: **412544**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Integrated Math 1/Algebra 1**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: AP Physics 1 provides the student with a systematic development of the main principles of Physics; emphasizing problem-solving and helping students develop a deep understanding of the concepts. Students complete detailed laboratory experiments which emphasize the qualitative and quantitative application of the classroom theoretical concepts. Course content focuses on the concepts of mechanics, electricity, magnetism, work, conservation of energy and momentum, torque, fluids, thermodynamics, waves, quantum theory, and atomic and nuclear physics. All students are expected to take the AP Physics 1 Exam in May.

Course Title - Course #

- **Life Skills Science 9 - #428048**
- **Life Skills Science 10 - #428548**
- **Life Skills Science 11 - #429048**
- **Life Skills Science 12 - #429548**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **2 year High School Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **IEP**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description:

Course Title: **Sports Medicine Kinesiology**

Course #: **912220**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **None**

School Sites: **Jesse Bethel High**

Course Description: Sports Medicine lays the foundation for further study of Human anatomy and physiology, musculoskeletal kinesiology, biomechanics, sports psychology, nutrition

related to the health professions. This biochemical course advances student depth of knowledge from learned concepts in basic biology and chemistry. Students learn how organ systems of the body function, interact and maintain homeostasis through physical activity. This knowledge serves as a platform for laboratories built around physiological responses to injury prevention, recognition, evaluation, post-injury treatment and improving performance. Integrated throughout the course are career preparation standards learned in the course and practiced outside the classroom in clinical settings, which include basic academic skills, communication, interpersonal skills, problem solving, safety, technological uses and employment literacy.

## **VCUSD SCIENCE PATHWAYS**

### **BIOTECHNOLOGY ACADEMY**

Course Title: **Biotechnology 1**

Course #: **730071**

Grade Level: **9-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Integrated Math 1/Algebra 1 and enrollment in the Biotechnology Academy**

School Sites: **Vallejo High**

Course Description: Biotechnology 1 is a fascinating field of science with many applications to our daily lives, including disease prevention, creation of new medicines, food and supply improvement, forensic science, etc. It is an introductory course where students explore scientific concepts and laboratory research techniques currently used in biotechnology. Students will develop biotechnology industry laboratory skills and, through extensive laboratory work, reading, and workplace experiences will evaluate career opportunities in the biotechnology field. Web page design will also be part of the course where students will develop web pages in the different areas of biotechnology.

Course Title: **Biotechnology 2**

Course #: 430515

Grade Level: **10-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Biotechnology 1**

School Sites: **Vallejo High**

Course Description: Biotechnology 2 is an advanced course in biotechnology. It is assumed that students have the basic laboratory and math skills needed in a biotechnology laboratory such as the use of micropipette, centrifuge, spectrophotometer, excel and solution preparation. Therefore, Biotechnology 1 is a prerequisite to this course. The focus of this course is DNA and protein analysis. Students are given further opportunities to evaluate career opportunities in the field of biotechnology. They are trained in resume writing, job interviews and bioinformatics. Web-page design is part of the course as students will develop web-pages in the different areas of biotechnology. This course is articulated with Solano Community College.

Course Title: **Chemistry for Biotechnology**

Course #: **431515**

Grade Level: **12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Biotechnology 2**

School Sites: **Vallejo High**

Course Description: This is a chemistry course geared towards a Biotechnology Career Pathway; it is a capstone course for the Biotechnology Academy. The course is laboratory-based integrating the logical, sequential development of the fundamental chemistry concepts, skills and biotechnology needed for post-secondary education and to work in a modern laboratory. Students will gain extensive laboratory experience emphasizing logical analysis and computational skills.

## **BIOMEDICAL SCIENCE ACADEMY**

Course Title: **Principles of Biomedical Science**

Course # : **431020**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Integrated Math 1/Algebra 1 and enrollment in the BioMedical Academy**

School Sites: **Jesse Bethel High**

Course Description: In this first course of the Biomedical Sciences program, students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and presents the scientific foundation for subsequent courses.

Course Title: **Human Body Systems**

Course #: **431010**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Principles of Biomedical Science**

School Sites: **Jesse Bethel High**

Course Description: Human Body Systems is the second course in the Biomedical Sciences program. In this course, students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries.

Course Title: **Biomedical Senior Seminar**

Course #: **431025**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement **D**

Prerequisite: **Completion of Human Body Systems**

School Sites: **Jesse Bethel High**

Course Description: This course is the third required foundational course in the JBHS Biomedical Academy. Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.



## **HISTORY/SOCIAL STUDIES COURSES**

All students are expected to reach mastery of the common set of understandings and skills that are reflected in the California State Content Standards for History/Social Science. To function effectively in society, the individual needs a breadth of knowledge about human social situations that exceed immediate experience. The individual needs an awareness of the ways in which other men and women have derived answers to the crucial questions of human existence. The individual needs the skills of acquiring and validating knowledge. As participating members of a democratic society, men and women must know how to cope with social problems and use reason, evidence, and judgment. They must be able to act with responsibility and accept and respect the rights and dignity of others. The individual must have a well-developed value system and be willing to act upon it, either independently or as a member of a group. Social science courses and instruction should help young people grow into such men and women.

Course Title: **Get Focused Stay Focused**

Course #**905512**

Grade Level: **9**

Duration/Term: **Semester/5 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement:

Prerequisite:

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: Get Focused Stay Focused - Career and College Readiness is a one-semester course designed to help students learn and practice valuable skills to help them to be career and college ready. Students will demonstrate their understanding of career paths through a variety of assessments, projects, job simulations, speeches, research assignments, online portfolios, and essay papers. 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 and job search tools to strengthen writing skills, learn goal setting, solidify research techniques, and write a research paper utilizing correct MLA format.

Course Title: **Ethnic Studies**

Course #**972013**

Grade Level: **9**

Duration/Term: **Semester/5 credits**

Graduation Requirement: Elective

UC/CSU (A-G) Requirement:

Prerequisite:

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: Ethnic Studies courses operate from the consideration that race and racism have been, and continue to be, profoundly powerful social and cultural forces in American society. These courses focus on the experiences of African Americans, Asian Americans, Chicanas/os and Latinas/os, American Indians, and other racialized peoples in the United States. Courses are grounded in the concrete situations of people of color and use a methodological framing that emphasizes both the structural dimensions of race and racism and the associated cultural dimensions. (Adapted from UC Berkeley, Department of Ethnic Studies). The major purpose of this course is to educate students to be politically, socially, and economically conscious about their personal connections to history. Ethnic Studies focuses on themes of social justice, social responsibility, and social change. The course spans from past to present, including politics and social reform, allowing students to identify social patterns and universal qualities present in all ethnic/cultural aspects of society, including their own. This one-semester course will focus on the experiences of African Americans, Asian Americans, Latinos, and American Indians. This course will also include an identity unit in which students will consider concepts related to their own personal, group, and/or national identity (e.g. race, ethnicity, gender, sexual orientation).

Course Title: **World History**

Course #**303515**

Grade Level: **10**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Social Studies**

UC/CSU (A-G) Requirement: A

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This is a one-year, required course for all 10th graders. Students will examine the modern industrial world from historic, geographic, and cultural perspectives. Students will learn how major developments, such as nationalism, industrialism, and

imperialism led to the wars of the 20th century. The second semester will stress the impact of the conflicts between western and non-western cultures, with emphasis on Russia, China, Africa, Latin America, and the Middle East.

Course Title: **AP World History**

Course **#303615**

Grade Level: **10**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Social Studies**

UC/CSU (A-G) Requirement: **A**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description

This advanced level course requires students to engage with the dynamics of continuity and change across the historical periods that are included in the course. The purpose of the AP World History course is to develop a greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence.

Course Title: **US History**

Course **#304515**

Grade Level: **11**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Social Studies**

UC/CSU (A-G) Requirement: **A**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This required standards-based course focuses on the in-depth study of American history, including significant events in the founding of the nation and post-Civil War events from 1865 to the present. The course provides an approach that integrates broad goals relating to knowledge and understanding of history, geography, economics, culture, and the development of demographic ideals and civic values. Major units of study include the

Progressive Era, the Jazz Age, the Great Depression, World War II, the Cold War, and American Society since 1945 including the Civil Rights Movement. The course incorporates literature both of and about the period and reflects a multicultural perspective. In addition to content goals, this course promotes the development of basic study skills, critical thinking skills, and social participation skills related to general academic success.

Course Title: **AP US History**

Course: **#305524**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Social Studies**

UC/CSU (A-G) Requirement: **A**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This college-level course is an in-depth survey of United States history from pre-colonial times to the present, focusing on major political, economic, and social developments in our nation's history. Emphasis is placed on the development of critical thinking skills. Extensive outside reading, writing, and research are required. The course is taught at an accelerated pace to prepare students for the Advanced Placement exam in May. Weighted grade points are awarded to students with a semester grade of "C" or better.

Course Title: **American Government and Politics**

Course: **#306515**

Grade Level: **12**

Duration/Term: **Semester/5 credits**

Graduation Requirement: **Social Studies**

UC/CSU (A-G) Requirement: **A**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This one-semester standards-based course is required of all 12th graders. In this course, students will examine the structure of national, state, and local government systems and focus on citizenship skills such as voting procedures and political participation. Current political, social, and economic problems are studied.

Course Title: **AP Government and Politics US**

Course **#308524**

Grade Level: **12**

Duration/Term: **Semester/5 credits**

Graduation Requirement: **Social Studies**

UC/CSU (A-G) Requirement: **A**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This AP American Government course is equivalent to a college introductory course taken during the freshman year of college and is structured to prepare students for the AP Government exam in May. Topics included: the constitutional structure of the national government, including an examination of the historical forces that shaped it; an examination of the political ideology and influences on people's beliefs and behavior; the function and influence of political parties and interest groups; an examination of the specific institutions of the national government and the policy-making process; and a historical and contemporary examination of civil rights and liberties.

Course Title: **Economics**

Course **#306015**

Grade Level: **12**

Duration/Term: **Semester/5 credits**

Graduation Requirement: **Social Studies**

UC/CSU (A-G) Requirement: **G**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This required standards-based semester course will survey the basic principles of economics and study the structure, function, and goals of the American economy. The course examines major economic systems, international trade, and monetary policies, and the role of government in the U.S. market economy. The course also examines the importance of the individual's role within the U.S. free enterprise system.

Course Title: **Economics HP**

Course **#307021**

Grade Level: **12**

Duration/Term: **Semester/5 credits**

Graduation Requirement: **Social Studies**

UC/CSU (A-G) Requirement: **G**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

Course Title: **AP Macroeconomics**

Course: **#307025**

Grade Level: **12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Social Studies**

UC/CSU (A-G) Requirement: **A**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

Course Title: **Psychology**

Course **#925012**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **G**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This elective course is an introduction to the many approaches to psychology including the study of basic principles, applied psychology, current literature, reports, and speakers. The course includes the study of statistics, parapsychology, experimental and behavioral psychology, and psychotherapy.

Course Title: **Sociology**

Course: **#390015**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **G**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This is a one year elective course that will introduce the key concepts of sociology and practices of the sociologist. The course will study social life, social change and the consequences of human behaviors. Students will learn how sociologists analyze the basic structures and functions of societies and groups within society. Additionally, students will analyze social conflicts and methods for social conflict resolution.

Course Title - Course #

- **Life Skills Social Sciences 9 - #941548**
- **Life Skills Social Sciences 10 - #335048**
- **Life Skills Social Sciences 11 - #335548**
- **Life Skills Social Sciences 12 - #335048**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement

UC/CSU (A-G) Requirement

Prerequisite: **Individualized Education Plan (IEP)**

School Sites: **Vallejo High**

Course Description: This two-semester course is intended to provide students basic information regarding world geography as it pertains to daily living. The course is aligned with California standards and benchmarks, but expectations and content are modified as specified in the student's IEP. Coursework counts toward high school certificate credits but does not meet either high school graduation or 4-year college admission requirements.

## **LOTE COURSES (Language Other Than English)**

The mission of the LOTE Department is to implement a communication-based curriculum using various teaching strategies. The development of students listening, speaking, reading, writing, thinking and social skills is an integral part of the curricular and extra-curricular program. We view our World Languages program as essential to meeting the educational needs of students as we prepare them for responsible and effective participation in an increasingly international community. Literature, history, geography, and the arts are taught to develop students' awareness of our global cultural heritage for the purpose of personal enrichment. Students are encouraged to develop higher thinking skills through discussions of social, political, and economic issues. A central goal of the program is to develop communicative proficiency; therefore, we encourage students to continue through the progression of courses offered in the department. As a result of students' experience in the LOTE Department, they will be able to communicate at an appropriate level of proficiency in the target language and understand its possible applications within the community and for careers and travel. Students will demonstrate greater cultural sensitivity, and have an appreciation for the diverse cultural heritage of our world and its peoples.

Course Title: **Spanish 1P**

Course #: **514015**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: Spanish 1 is designed to be a basic introductory course in the language, culture, and history of the Spanish speaking world. Particular emphasis is placed upon the student's acquisition of spoken and written language, including the fundamentals of grammar and usage. Upon completion of the course, students are expected to be able to understand and respond to simple oral conversations and questions; read, comprehend, and respond to questions pertaining to written tests; and demonstrate basic familiarity with Hispanic culture, traditions, and history. This course meets the UC/CSU subject area requirement only and cannot be used to fulfill the elective "g" requirement.



Course Title: **Spanish 2P**

Course #: **514515**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of Spanish 1**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This one-year course is an extension of the study completed in Spanish 1 and is structured for students preparing for college entrance. The emphasis of the course is on reading, speaking, and writing Spanish as effective communication.

Course Title: **Spanish 3P**

Course #: **515015**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of Spanish 2**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This one-year advanced course is an extension of the previous two years. The conversation patterns are continued with an emphasis on accuracy. Students are expected to be able to create simple paragraphs and understand important ideas when reading authentic texts.

Course Title: **AP Spanish Language**

Course #: **517024**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of Spanish 4 HP or Spanish Speaker 3 OR approval of teacher**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This course is college level and requires a considerable degree of work and study. The course increases your ability to speak, read and write the Spanish language. Essays, literature and oral presentations help to develop the students' skills. Students will be expected to take the AP Spanish Language and Culture Exam in May. Weighted grade points will be awarded to students with a semester grade of "C" or better.

Course Title: **Spanish for Spanish Speakers 1P**

Course #: **511515**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **None**

School Sites: **Vallejo High**

Course Description: This course is designed for students who are orally fluent in Spanish. Non-native speakers of Spanish who are fluent Spanish speakers are eligible to enroll. Emphasis will be placed on strengthening students' Spanish reading and writing skills. Students will read and discuss a variety of written materials including literary works to practice and improve reading comprehension, written communication as well as oral skills. Focus will be on using appropriate oral and written language styles in various contexts including Spanish for specific purposes.

Course Title: **Spanish for Spanish Speakers 2P**

Course #: **512015**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of Spanish for Spanish Speakers 1P**

School Sites: **Vallejo High**

Course Description: This course is an extension of Spanish for Spanish Speakers 1 and is designed for students who are orally fluent in Spanish. In this course, students continue to develop and enhance integrated skills of listening, speaking, reading, and writing for proficiency. Strong emphasis is placed on developing formal academic language learning through literature and its universal themes. Hispanic traditions, stories, and myths concerning

family work, gender roles, and the concept of “success” are explored through a variety of mediums. Career options are investigated, as is the use of Spanish for special purposes.

Course Title: **Spanish for Spanish Speakers 3P**

Course #: **512515**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of Spanish for Spanish Speakers 2P**

School Sites: **Vallejo High**

Course Description: Spanish for Spanish Speakers 3 is designed for students who have successfully completed Spanish for Spanish Speakers 2, and for those who have passed the entry-level placement test (speaking, listening, reading and writing). The course is intended for those who are committed to studying their native language in depth. Students will review and expand the topics covered in the previous levels. They will be guided to develop higher critical thinking through the practice of various strategies, which will help them to express and support their opinions, and further refine and develop their language skills through mastery of more complex and detailed functions of the language. Activities are designed to prepare the students to be academically successful in more advanced Spanish classes. They will have the opportunity to take the Advanced Placement Exam in Spanish Language and Literature.

Course Title: **Filipino 1P**

Course #: **503015**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: Filipino 1P is designed to be a basic introductory course in the language, culture, and history of the Filipino speaking world. Particular emphasis is placed upon students' acquisition of spoken and written language, including the fundamentals of grammar and usage. Upon completion of the course, students are expected to be able to

understand and respond to simple oral conversations and questions; read, comprehend, and respond to questions pertaining to written tests; and demonstrate basic familiarity with Filipino culture, traditions, and history.

Course Title: **Filipino 2P**

Course #: **503515**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of Filipino 1P with a grade of D or higher**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This one-year course is an extension of the study completed in Filipino 1 and is structured for students preparing for college entrance. The emphasis of the course is on reading, speaking, and writing Filipino as effective communication.

Course Title: **Filipino 3P**

Course #: **504015**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of Filipino 2P with a grade of D or higher**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This one-year advanced course is an extension of the previous two years. The conversation patterns are continued with an emphasis on accuracy. Students are expected to be able to create simple paragraphs and understand important ideas when reading authentic texts.

Course Title: **Filipino 4 HP**

Course #: **504521**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of Filipino 3P or Fil Spkr 2**

School Sites: **Vallejo High**

Course Description: This course places emphasis on developing a high level of proficiency in understanding and in speaking the language in conversational situations and in using new vocabulary and grammar. Students will be asked to read poetry and prose with comprehension, to understand spoken Filipino as heard in lectures, on radio and television, and in conversations, and to express their ideas orally and in writing with fluency and accuracy. Weighted grade points will be awarded to students with a semester grade of “C” or better.

Course Title: **Filipino for Filipino Speakers 1**

Course #: **501515**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This course is designed for students who are orally fluent in Filipino. Emphasis will be placed on strengthening students’ Filipino reading and writing skills. Students will read and discuss a variety of written materials including literary works to practice and improve reading comprehension, written communication, and oral skills. The focus will be on using appropriate oral and written language styles in various contexts including Filipino for specific purposes. This course meets the UC/CSU subject area requirement only and cannot be used to fulfill the elective “g” requirement.

Course Title: **Filipino for Filipino Speakers 2**

Course #: **502015**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of Filipino for Filipino Speakers 1**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This course is an extension of Filipino for Filipino Speakers 1 and is designed for students who are orally fluent in Filipino. Emphasis is on developing formal language skills appropriate for a variety of specific situations and purposes. Successful completion of this course will qualify students for enrollment in Filipino 3.

Course Title: **French 1P**

Course #: **505515**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: French 1P is designed to be a basic introductory course in the language, culture, and history of the French speaking world. Particular emphasis is placed upon the student's acquisition of spoken and written language, including the fundamentals of grammar and usage. Upon completion of the course, students are expected to be able to understand and respond to simple oral conversations and questions; read, comprehend, and respond to questions pertaining to written tests; and demonstrate basic familiarity with Francophone culture, traditions, and history.

Course Title: **French 2P**

Course #: **506015**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of French 1P**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This one-year course is an extension of the study completed in French 1 and is structured for students preparing for college entrance. The emphasis of the course is on reading, speaking, and writing French as effective communication.

Course Title: **French 3P**

Course #: **506515**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of French 2P**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This one-year course is an extension of the study completed in Spanish 1 and is structured for students preparing for college entrance. The emphasis of the course is on reading, speaking, and writing Spanish as effective communication.

Course Title: **French 4HP**

Course #: **507521**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of French 3P with a grade of D or higher**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This course places emphasis on developing a high level of proficiency in understanding and in speaking the language in conversational situations and in using new vocabulary and grammar. Students will be asked to read poetry and prose with comprehension, to understand spoken French as heard in lectures, on radio and television, and in conversations, and to express their ideas orally and in writing with fluency and accuracy. Weighted grade points will be awarded to students with a semester grade of "C" or better.

Course Title: **American Sign Language 1P**

Course #: **514045**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **None**

School Sites: **Jesse Bethel High**

Course Description: The study of American Sign Language (ASL) offers students the chance to communicate in and understand another language while familiarizing themselves with the community and culture of the Deaf. This course develops the ability to communicate accurately and effectively in expressive and receptive signing within a range of real life situations. Students are exposed to a variety of learning situations to increase their understanding of American Sign Language and Deaf culture. Students experience audiovisual, Deaf literature, both written and visual, as well as field trips to Deaf cultural events. The course helps students to develop their ASL skills while growing an appreciation of Deaf culture and language. This course meets the UC/CSU subject area requirement only and cannot be used to fulfill the elective “g” requirement.

Course Title: **American Sign Language 2P**

Course #: **514050**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of American Sign Language 1P with a grade of D or higher**

School Sites: **Jesse Bethel High**

Course Description: American Sign Language 2 (ASL 2) is an intensive introduction to ASL emphasizing communicative-based listening, speaking, reading, and writing in ASL. The emphasis is on the rudiments of the receptive and productive skills of American Sign language, and awareness of Deaf Culture.

Course Title: **American Sign Language 3P**

Course #: **514220**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Language Other Than English**

UC/CSU (A-G) Requirement: **E**

Prerequisite: **Completion of American Sign Language 2P with a grade of D or higher**

School Sites: **None**

Course Description: American Sign Language 3P is a yearlong course and a continuation of the overview of American Sign Language (ASL) taught in ASL I and II classes. Intermediate level



vocabulary, structure, history, and the Deaf community are the primary focuses. Students will expand their skills in telling narratives in greater detail, use of signs in certain situations, and conversational strategies are emphasized; students will continue to broaden their communication skills through interaction with individuals in the Deaf community. Receptive and expressive practices, conversational behaviors, and various aspects such as political and current issues within Deaf community will be continued in this course.

## VAPA COURSES (Visual and Performing Arts)

VCUSD is committed to a fine arts program that contributes to the development of the “whole” student through instruction that is rigorous, engaging, standards- based, and developmentally appropriate. We view the arts as an essential part of the human experience and believe that arts instruction nurtures the most important needs of a balanced individual and society. The arts promote the ability to think, to communicate, and to celebrate.

Courses in the Visual and Performing Arts which meet the UC/CSU Fine Arts requirement are labeled with a “P” for college prep. Other courses meet general elective credit.

Course Title: **Art 1P**

Course: #**654016**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This one-year elective course is designed for the beginning student in art. The program will provide an understanding of the elements and principles of design, composition, painting, drawing, and their relationship to each other.

Course Title: **Art 2P**

Course: #**654017**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite

School Sites: Jesse Bethel High, Vallejo High

Course Description: This is a two-semester elective course in drawing and painting techniques and materials. Projects are based on the individual’s interest and the development of a visual language. Materials that are used include graphite, pen and ink, charcoal, watercolor,

tempera, acrylic, chalk pastels, and oil pastels. Projects will focus on still life, figure/portrait, landscapes and abstract design.

Course Title: **AP Studio Art**

Course #**659024**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: The Advanced Placement (AP) Studio Art program makes it possible for highly motivated high school students to do college-level work. AP Studio Art is not based on a written exam. Instead, students are asked to submit a portfolio of work for evaluation at the end of the year.

Course Title: **Art in the Digital Age P**

Course: #**712315**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite

School Sites: **Jesse Bethel High**

Course Description: This is a year-long elective course. Students will create digital images using PC computers, Adobe Photoshop, digital cameras, and scanners. Students will learn to connect and apply digital art knowledge to art design principles, subject areas, and careers. Students will gain an understanding of the historical contributions and cultural dimensions of digital media.

Course Title: **Ceramics 1P**

Course: #**652515**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This is a one-year elective course designed to provide students an aesthetic and functional view of pottery and ceramic sculpture. This course includes slab, coil, and pinch pot hand building techniques, texture decoration, slip decoration, glaze application, basic firing, techniques of handling clay tools and equipment.

Course Title: **Ceramics 2**

Course: **#653515**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Completion of Ceramics 1**

School Sites: Jesse Bethel High, Vallejo High,

Course Description: This is a second year of ceramic instruction concentrating on hand built coil, pinch pot, and slab sculptures. Topics such as repetition of form, direction or motion, patterns of growth, progressions, negative and positive shapes will be addressed. Emphasis will be placed on the study of composition of ceramic works to better understand how individual forms are arranged to create a whole. Both relief sculpture and composition in the round will be studied.

Course Title: **Photography 1**

Course **#659515**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: Photography 1 is a year elective that includes the fundamentals of photography including composition, camera technique, use of lenses, dark room procedure, film processing and photochemistry, contact and projection printing, print finishing and

digital photography. Students will be able to link photography to other forms and disciplines and will understand its application to careers within a contemporary society.

Course Title: **Video Production 1P**

Course: #**713015**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite

School Sites:

Course Description: This one or two period year-long elective course will cover video production, script writing, and editing. Students will learn to create written scripts and storyboards for both fictional and documentary video productions. Emphasis will be placed on learning elements of video expression, including lighting and audio techniques and visual composition. The technical aspects of video production will also be covered. This class includes an introduction to television production and sound radio. Students will be asked to provide or pay for materials used in projects, which they will keep, such as videotapes and computer disks and paper.

Course Title: **Music Appreciation P**

Course: #**674012**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite

School Sites: Vallejo High

Course Description: This course is a study of the elements of music in the past and present that lead to a cultural and social appreciation of music as an art form. Students will study works of various composers from classical to modern periods. American musical forms such as jazz, rock, country, swing, blues, pop, and musical comedy will be emphasized.

Course Title: **Beginning Band**

Course: #**666012**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This is a two-semester elective course that provides students the opportunity to develop their knowledge and skill in instrumental music. This course is for students with no knowledge or limited knowledge and skill on a musical instrument. The course will provide instruction on band instruments that will develop proficiency on the instrument. The course will provide instruction on band instruments that will develop proficiency on the instrument and knowledge of general musicianship. It will prepare the student for more advanced study of music.

Course Title: **Jazz Band**

Course: #**669515**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Yes**

School Sites:

Course Description

This is a one-year elective course. This class will introduce students to the tools and techniques of stage band music as they relate to the world of entertainment. Areas to be covered will include harmony studies, “jazz” technique, improviser development and jazz arranging. In addition, the vocational aspects of stage band music will be stressed as they relate to future job placement. This course is recommended for serious music students interested in pursuing careers related to “stage band” performance.

Course Title: **Advanced Band P**

Course: #**670015**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Beginning Band or Instructor Approval**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This two-semester elective course provides an opportunity for the student to increase awareness and appreciation of the music of many styles, and to continue to develop the physical and mental skills and discipline necessary to perform on an instrument. Students will rehearse and perform a variety of music selected from the published band literature.

Course Title: **Marching Band**

Course #**573511**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite:

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This is a one-year elective course. This class stresses the physical, mental, and instrumental music development of students as they perform in school and community functions and take part in competitive performances throughout the state. This course is recommended for serious music students willing to commit the time and energy necessary to be part of a group that represents the school at major events and functions.

Course Title: **Beginning Guitar**

Course #**671515**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite

School Sites: **Vallejo High**

Course Description: This is a two-semester elective class. This class is for beginning students who will be introduced to the fundamentals of tone production, scales, melodies, and chords as they apply to the guitar. Students will learn to play simple guitar pieces and accompaniments to songs. This class will stress the reading and playing of chords and progressions.

Course Title: **Intermediate Guitar**

Course #**671615**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Yes**

School Sites: **Vallejo High**

Course Description: This is a two-semester elective class. This class is for intermediate students who have familiarity with the fundamentals of tone production, scales, melodies, and chords as they apply to guitar.

Course Title: **Band/Color Guard**

Course #**668512**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement

UC/CSU (A-G) Requirement

Prerequisite: **Yes**

School Sites:

Course Description: Enrollment is through tryouts. Participants learn to combine the elements of military drill, dance, and drama into performance and competition. Discipline, dedication, and prioritization are stressed as participants are required to commit to a rigorous practice and competition schedule. Assignments include performances at various school functions, home and away competitions, and exhibitions.

Course Title: **Percussion**



Course #**667012**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Yes**

School Sites: **Vallejo High**

Course Description

This is a two-semester elective course designed to improve reading and technical abilities of percussionists in the marching band. Only students enrolled in the marching band may take the course. This course is taken in lieu of advanced band by percussionists of the band.

Course Title: **Chorus P**

Course #**677015**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite:

School Sites:

Course Description: This year-long course is a basic class in music. Students will be taught to sing, read music, detect rhythm and learn choral discipline. Various styles of choral music will be studied with an emphasis on singing. Students need no prior experience; however, a pre-course audition will be expected.

Course Title: **Open Instruments**

Course #**671012**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement:

Prerequisite

School Sites

Course Description: This is a two-semester elective course. Any instrument can be learned in this class including band instruments (clarinet, tube, trumpet, etc.), symphonic instruments

(violin, viola, cello, bass, etc.), and miscellaneous instruments (guitar, etc.). This class is open to beginners or advanced students and it will be taught as an individual study type of class. Class instruction will be given in music fundamentals, including music reading and theory as it applies to each student's instrument.

Course Title: **Drama 1**

Course #**662015**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite

School Sites: **Vallejo High**

Course Description: This two-semester elective course is planned to give the student thorough classroom study as well as performance in plays, skits, and dramatic interpretations. Basic acting techniques means of theatrical experience, an appreciation of good literature, and interest in dramatics as a career will also be addressed. Meets the UC/CSU subject area requirement only and cannot be used to fulfill the elective "g" requirement.

Course Title: **Drama 2**

Course #**662515**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Completion of Drama 1**

School Sites: **Vallejo High**

Course Description: This is a two-semester elective advanced class in dramatics. The instruction will include improvisation, classic drama, modern drama, and children's theater. The methods used will be discussion and rehearsal of assigned material and weekly performances of the mediums of dramatic art, budgeting, publicity, securing rights, etc.

Course Title: **Paint Mural Design**

Course #**654220**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement:

Prerequisite:

School Sites: **Jesse Bethel High**

Course Description: Painting and Mural Design class is a project-based course that gives students a voice through painting in public art and large-scale mural projects. The course introduces students to different drawing and painting techniques, the element, and the principle of design, showcasing various mural artists and painting movements and styles. Group work is encouraged throughout the different projects. At the end of the course, students create and present their public art proposals and will complete a large-scale mural.

## **PE COURSES (Physical Education)**

The underlying purpose of physical education is to promote optimal growth and development in each individual. The goals of physical education are based upon the needs of each pupil according to his/her individual characteristics, interests, and abilities. Pupils, teachers, and parents should be able to see increasingly improved locomotion, evidence of satisfaction in movement, and improved movement patterns in individual activities and in games, rhythms, and stunts. Each pupil should exhibit increased strength, power, endurance, flexibility, ability, speed, and balance. Students are required to take two years of PE for high school graduation. In 9th grade students take a State fitness test; if they do not pass the test, they take the PE Core Program again in grade 10. Students who pass the State fitness test may take other PE options in grades 10, 11, or 12.

Course Title: **PE 9**

Course #: **558512**

Grade Level: **9**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Physical Education**

UC/CSU (A-G) Requirement: **None**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: Emphasis is on fitness activities in order to prepare for the state mandated Physical Fitness test. The course provides instruction in a large variety of individual and team type activities. Activities will change every 3 or 4 weeks. The course is required of all students.

Course Title: **PE 10**

Course #: **559512**

Grade Level: **10**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Physical Education**

UC/CSU (A-G) Requirement: **None**

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: The course provides instruction in a large variety of individual and team type activities. Activities will change every 3 or 4 weeks. The course is required of all students.

Course Title: **PE Team Sports 11-12**

Course #: **561512**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Physical Education Elective**

UC/CSU (A-G) Requirement:

Prerequisite: **None**

School Sites: **Vallejo High**

Course Description

These are one-year courses that focus on the following areas: fitness, football, basketball, softball, soccer and weight training with some net/racquet sports and aquatics.

Course Title: **PE Recreation**

Course #: **568512**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Physical Education Elective**

UC/CSU (A-G) Requirement:

School Sites: **Jesse Bethel High**

Course Description: A two-semester elective course that provides instruction and activities for students not interested in highly competitive sports. Emphasis will be on experiences related to personal recreation. Units of instruction are in six-week modules. Examples are recreational basketball, volleyball, badminton, weight training, figure control, table tennis, and others.

Course Title: **PE Total Body Fitness**

Course #: **563612**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Physical Education Elective**

UC/CSU (A-G) Requirement:

Prerequisite: **None**

School Sites: **None**

Course Description: Total Body Fitness is a challenging two-semester course that provides alternating workouts using the cardio/spin room and the weight room. The class works on strength, cardio fitness and fat burning. Individual workout programs will be developed to obtain total body fitness.

Course Title: **PE Weight Training**

Course #: **570011**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Physical Education Elective**

UC/CSU (A-G) Requirement:

Prerequisite:

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This one-year course stresses the improvement of body tone and strength through organized and instructed activity with the utilization of two weight machines and individual conditioning.

Course Title: **Adaptive PE**

Course #: **577060**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Physical Education**

UC/CSU (A-G) Requirement:

Prerequisite: **IEP**

School Sites:

Course Description: Adaptive physical education is offered for students, who for a medical reason, may not participate in a regular physical education program. The class emphasizes activities recommended by each student's doctor and recreational sports and games geared to the class's physical capabilities. Activities offered include bowling, swimming, archery, volleyball, horseshoes, croquet, roller skating, and physical fitness exercises.

## **CTE Pathways (Career Technical Education)**

A Career Technical Education (CTE) pathway are course programs that provide students with the academic, technical, and real world knowledge, skills and experience they need to be prepared for a variety of career options. Generally, CTE pathways have a sequence of two or more CTE courses within a student's area of career interest.

### **Academies vs. Pathways**

The terms academy and pathway can be used synonymously, however, in regards to Career Technical Education (CTE), the terms describe different types of high school career programs. Academy students are together in a cohort group for a sequence of special-focus classes and also for at least one core subject class. (Core subject classes include English, Math, History, or Science.) Pathway students take a sequence of special-focus classes together, but are scheduled for their other classes independently. VCUSD academies received additional funding from the California Partnership Academy (CPA) grant from the California Department of Education.

Several high school career programs have the title 'academy' because of formerly being CPA-funded, but no longer receive the grant award, but have maintained the term academy in their program name for marketing purposes.

# JBHS CTE PATHWAYS

## Multimedia Pathway

Industry Sector: Arts, Media, and Entertainment

The Arts, Media, and Entertainment Industry Sector offers jobs that require a vast range of creative and technical knowledge and skills. Jesse Bethel High School offers the Multimedia Academy as well as other arts, media and entertainment courses.

Course Title: **Multimedia 1**

Course #: **660215**

Grade Level: **9-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Enrollment in the Multimedia Academy**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This is the first course in the Multimedia Academy. Its purpose is to introduce students to the design concepts that will be used throughout the career instruction, to introduce students to the demands of working for clients, and to prepare them for the management demands of working in this career area. This is a year-long elective course. Students will create digital images using computers, Adobe Photoshop, digital cameras, and scanners. Students will learn to connect and apply digital art knowledge to art design principles, subject areas, and careers. Students will gain an understanding of the historical contributions and cultural dimensions of digital media.

Course Title: **Multimedia 2**

Course #: **713018**

Grade Level: **10-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Completion of Multimedia 1**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: Multimedia II is a one-year course that furthers student's understanding of the computer as a tool for art. Students practice art/design principles and arts/media/entertainment career skills while using new media (computers, digital cameras, tablets, scanners, etc.) to produce their own original art projects. In this hands-on studio class, students learn to manipulate various technologies to create advanced level graphics, photographs, design, film and audio. Students will: manipulate light to take advanced photography; continue to manipulate photography and other raster graphics; continue to shoot and edit film projects; continue to edit and add film effects; continue to create illustrations; continue to design, stylize and manipulate text for print, digital distribution and the web. Throughout the course, students develop as graphic designers, filmmakers, artistic collaborators and visual storytellers.

Course Title: **Multimedia 3**

Course #: **713017**

Grade Level: 11-12

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Completion of Multimedia 2**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This is the Capstone or last course Multimedia Pathway. It will provide students in this pathway with the closest exposure to industry standards prior to their graduation from high school through internships. Students will develop an appreciation of traditional artistic expression as well as an understanding of the role of contemporary multimedia as a verbal and visual means of communication in today's society. They will develop business concepts and principles, production elements, and presentation and project completion skills. Students will expand their knowledge of graphic editing, interactive authoring, web design, music studio work and video production. Students will receive real world experiences and learn to work individually as well as in groups to produce products using industry standards.

## **Biomedical Science Pathway**

Industry: Health Science and Medical Technology



The Biomedical Science Pathway utilizes Project Lead The Way (PLTW) curriculum. PLTW Biomedical Science applies real-world issues by exploring topics like disease, DNA analysis, prosthetic design, public health, and more. Along the way, students gain experience with state-of-the-art tools and techniques that are used by professionals in hospitals and labs every day.

Course Title: **Principles of Biomedical Science**

Course #: **431020**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Integrated Math 1/Algebra 1 and enrollment in the BioMedical Academy**

School Sites: **Jesse Bethel High**

Course Description: In this first course of the Biomedical Sciences program, students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and presents the scientific foundation for subsequent courses.

Course Title: **Human Body Systems**

Course #: **431010**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Principles of Biomedical Science**

School Sites: **Jesse Bethel High**

Course Description: Human Body Systems is the second course in the Biomedical Sciences program. In this course, students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and

voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries.

Course Title: **Biomedical Senior Seminar**

Course #: **431025**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement **D**

Prerequisite: **Completion of Human Body Systems**

School Sites: **Jesse Bethel High**

Course Description: This course is the third required foundational course in the JBHS Biomedical Academy. Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

## **Law Academy**

Industry Sector: Public Services

Jesse Bethel High School offers courses in the Public Services sector in The Law Pathway. These courses provide students the opportunity to explore and develop skills which prepare them for jobs in law and public service.

Course Title: **Introduction to Law and Speech Communication**

Course #: **700015**

Grade Level: **10**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **G**

Prerequisite: **Enrollment in the Law Pathway**

School Sites: **Jesse Bethel High**

Course Description: This course in law and justice provides students with an opportunity for concentrated study of the legal, judicial, law enforcement, security and corrections systems of the United States. During their study, students will focus on American government legal principles and the laws and procedures derived from them. They examine relevant examples of civil and criminal laws, law-enforcement methods, forensics and court procedures and corrective justice. In this law and justice course, students also examine problems within the legal and justice systems and social issues that arise from their operation.

Course Title: **Practical Law**

Course #: **700035**

Grade Level: **11**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **G**

Prerequisite: **Completion of Introduction to Law and Speech Communication**

School Sites: **Jesse Bethel High**

Course Description: Practical Law 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.

Course Title: **Investigating Law and Justice**

Course #: **700025**

Grade Level: **12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **G**

Prerequisite: **Completion of Practical ZLaw**

School Sites: **Jesse Bethel High**

Course Description: Investigating Law and Justice prepares students for successful life-long achievement and public leadership so that they can become agents of change in their school, community, nation and the world through an emphasis on law and the legal system. Law Academy students will develop skills in law and the legal professions through the study of international law, American Constitution law, American criminal law, and history of American

criminal law. Students will be exposed to the use of evidence, fundamentals of debate, persuasion and the rhetorical tradition, mock courts and trials. This course prepares students for careers in law and legal professions.

## VHS CTE PATHWAYS

### Engineering Academy

Industry Sector: Engineering and Architecture

Vallejo High School's Engineering Pathway offers a series of courses for students interested in engineering, electronics, computers, and robotics.

Course Title: **Introduction to Design**

Course #: **701110**

Grade Level: **9-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Enrollment in Engineering Academy**

School Sites: **Vallejo High**

Course Description: This is the first course in Vallejo High's Engineering Pathway. This course is a year-long course introducing students to the concepts and processes used by engineers to design and build projects. The content will be addressed thematically by introducing students to 3D Graphics, Structures, Design, Energy Systems, Computer Programming, and Robotics.

Course Title: **Principles of Engineering**

Course #: **701111**

Grade Level: **10-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Introduction to Design**

School Sites: **Vallejo High**

Course Description: Engineering and Design is the second course in Vallejo High's Engineering Pathway. This course is a year-long course focusing on Structural design, carbon waste stream, energy efficiency, and green design.

Course Title: **Engineering Design and Development**

Course #: **701113**

Grade Level: **11-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Principles of Engineering**

School Sites: **Vallejo High**

Course Description: Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process. Students will perform research to select, define, and justify a problem. After carefully defining the design requirements and creating multiple solution approaches, teams of students select an approach, create, and test their solution prototype. Student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process. Engineering Design and Development is a high school level course that is appropriate for 12th grade students. Since the projects on which students work can vary with student interest and the curriculum focuses on problem solving, EDD is appropriate for students who are interested in any technical career path. EDD should be taken as the final capstone PLTW course since it requires application of the knowledge and skills introduced during the PLTW foundation courses.

Course Title: **Civil Engineering and Architecture**

Course #: **701114**

Grade Level: **11-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Principles of Engineering**

School Sites: **Vallejo High**

Course Description: Civil Engineering is an optional capstone course for 12th graders in the Engineering Academy. The course will cover the fundamentals of structure design using Autodesk CAD software. Students will learn architectural styles, and design elements.

## **Construction Pathway**

Industry: Building and Construction Trades

This sector provides a foundation for the Building and Construction Trades industry for secondary students in California. Students engage in an instructional program that integrates academic and technical preparation and focuses on career awareness, career exploration, and skill preparation. This pathway emphasizes processes, systems, and how structures are built. The knowledge and skills are acquired in a sequential, standards-based pathway program integrating hands-on, project-based, and work-based instruction. Standards included in the Building and Construction Trades sector are designed to prepare students for technical training, postsecondary education, and entry to a career.

Course Title: **Introduction to Construction Technology**

Course #: **704512**

Grade Level: **9-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement:

Prerequisite:

School Sites: **Vallejo High**

Course Description: The primary emphasis in this course and throughout the three-year Construction and Building Trades curriculum will be safety. Students will learn and apply all safety procedures required to safely operate all tools and machinery. This class begins to explore the work required to learn various skills associated with Construction and Building Trades. Students will start examining and understanding the basics of typical construction shapes. 'Building on the Basics', we will establish a clear and strong understanding of construction shapes using our analytical, math, and problem-solving skills. An introduction to personal and business financial literacy will also be covered. Students will develop critical

thinking skills to resolve problems and to connect their everyday-life observations with information covered in class.

Course Title: **Intermediate Construction Technology**

Course #: **714512**

Grade Level: **9-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement:

Prerequisite:

School Sites: **Vallejo High**

Course Description: The primary emphasis in this course and throughout the three-year Construction and Building Trades curriculum will be safety. Students will continue to advance and apply all safety procedures required to safely operate all tools and machinery. This course will build on foundational skills attained in the introductory course(s). Students will learn the impact of financial, technical, environmental, and labor trends on the construction industry. They will gain competence in mathematical calculations that are used in the trades and interpret technical drawings and schedules. The course will cover techniques for proper site preparation and foundation layout. Students will gain competence in carpentry skills that prepare them to lay out, fabricate, erect, install and repair wooden structures and fixtures. Topics covered may also be financial literacy, project estimation, residential electrical wiring, framing, installing drywall and interior/exterior finishes, building walls and partitions, and installing roof systems, floors and floor coverings.

Course Title: **Advanced Construction Technology**

Course #: **715512**

Grade Level: **9-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement:

Prerequisite:

School Sites: **Vallejo High**

Course Description: The primary emphasis in this course and throughout the three-year Construction and Building Trades curriculum will be safety. Students will continue to advance and apply all safety procedures required to safely operate all tools and machinery. This class integrates skills and concepts from the Building and Construction Trades with applied

mathematics, and English. As a natural progression, students will apply the craft skills required to design and build a variety of scaled structures that meet current code requirements. In addition, students will make real-world connections between construction, math, and English using written projects, construction documents that include creating blueprints, project packets, and student-centered construction projects. This course provides students the opportunity to apply academic knowledge and technical skills through a hands-on curriculum. Students may have the opportunity to create fictitious construction companies and write job bids and basic contracts containing the essential elements of a viable construction contract for large residential/commercial projects. They will also consider other operational and financial aspects of successfully running a construction trades business.

## **Biotechnology Pathway**

Industry: Health Science and Medical Technology

The Health Science and Medical Technology Industry Sector continues to be one of the fastest-growing industry sectors in California. Vallejo High School offers a series of courses to meet the demands of this industry sector in its Biotechnology Pathway.

Course Title: **Biotechnology 1**

Course #: **730071**

Grade Level: **9-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Integrated Math 1/Algebra 1 and enrollment in the Biotechnology Academy**

School Sites: **Vallejo High**

Course Description: Biotechnology 1 is a fascinating field of science with many applications to our daily lives, including disease prevention, creation of new medicines, food and supply improvement, forensic science, etc. It is an introductory course where students explore scientific concepts and laboratory research techniques currently used in biotechnology. Students will develop biotechnology industry laboratory skills and, through extensive laboratory work, reading, and workplace experiences will evaluate career opportunities in the biotechnology field. Web page design will also be part of the course where students will develop web pages in the different areas of biotechnology.



Course Title: **Biotechnology 2**

Course #: 430515

Grade Level: **10-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Biotechnology 1**

School Sites: **Vallejo High**

Course Description: Biotechnology 2 is an advanced course in biotechnology. It is assumed that students have the basic laboratory and math skills needed in a biotechnology laboratory such as the use of micropipette, centrifuge, spectrophotometer, excel and solution preparation. Therefore, Biotechnology 1 is a prerequisite to this course. The focus of this course is DNA and protein analysis. Students are given further opportunities to evaluate career opportunities in the field of biotechnology. They are trained in resume writing, job interviews and bioinformatics. Web-page design is part of the course as students will develop web-pages in the different areas of biotechnology. This course is articulated with Solano Community College.

Course Title: **Chemistry for Biotechnology**

Course #: **431515**

Grade Level: **12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Lab Science**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **Completion of Biotechnology 2**

School Sites: **Vallejo High**

Course Description: This is a chemistry course geared towards a Biotechnology Career Pathway; it is a capstone course for the Biotechnology Academy. The course is laboratory-based integrating the logical, sequential development of the fundamental chemistry concepts, skills and biotechnology needed for post-secondary education and to work in a modern laboratory. Students will gain extensive laboratory experience emphasizing logical analysis and computational skills.

## **Patient Care Pathway**

Industry: Health Science and Medical Technology

The Health Science and Medical Technology Industry Sector continues to be one of the fastest-growing industry sectors in California. Vallejo High School offers a series of courses to meet the demands of this industry sector in its Patient Care Pathway.

Course Title: **Medical Terminology P**

Course #: **912225**

Grade Level: **10-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Electives**

UC/CSU (A-G) Requirement: **G**

Prerequisite: **Completion of Biology and completion or concurrent enrollment in Chemistry**

School Sites: **Vallejo High**

Course Description: The Medical Terminology course is an introduction and overview of medical language. Students will develop a working knowledge of terms, prefixes, suffixes, root words, and abbreviations related to structure and functioning of the systems of the body as they pertain to medical practice. In addition, students will gain basic knowledge of the structure and functions of the body systems and CPR training. This course is designed to introduce the medical language to any student wishing to enter any medical career including billing, front office, back office, medical assisting, transcription, or any field of medicine set in an office or hospital.

## **Hospitality Pathway**

Industry Sector: Hospitality, Tourism, and Recreation

Course Title: **Principles of Hospitality and Tourism**

Course #: **757580**

Grade Level: **10**

Duration/# Credits: **Semester/5 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **G**

Prerequisite: **Enrollment in Hospitality Academy**

School Sites: **Vallejo High**

Course Description: Principles of Hospitality and Tourism provides an overview of the current hospitality and tourism industry. This course serves as the foundation for the core courses offered by this academy / pathway. Students take a brief look at the history of the industry to understand the forces that have shaped it and the degree to which it has changed in the past century. They learn about traveler motivation and consumer needs and how these factors affect current offerings in the lodging, transportation, food and beverage, and entertainment sectors. Students consider the economic and environmental impacts of the industry on the world today. They receive exposure to the wide array of domestic and international travel. Finally, students learn the basics of selling and marketing in tourism. Throughout the course, students apply their learning to their culminating projects: developing a vacation package for high school students.

Course Title: **Great Customer Service**

Course #: **757583**

Grade Level: **10**

Duration/# Credits: **Semester/5 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **G**

Prerequisite: **Enrollment in Hospitality Academy**

School Sites: **Vallejo High**

Course Description: The Delivering Great Customer Service course introduces students to the concept of service as a critical component of a hospitality or tourism business. It combines learning current theory and practice with observations of customer service in action, role-play, and critical analysis of models to provide a comprehensive perspective on this subject. By the end of the course, students come to realize that the principles of great customer service have wide-ranging implications for all professional endeavors. Topics include trends in customer service; the psychology governing interactions between customers and providers; the phases of the customer service encounter; common mistakes; internal customer service; customer feedback; the role of management; and customer service issues that are specific to particular industries, such as cruises. Students are confronted with everyday business situations and are asked to use what they've learned from models of excellent customer service to make suggestions for resolving problems. They also study examples of businesses that depart from conventional practices by using cutting-edge customer service techniques to rise to the top of their fields.

Course Title: **Event Planning**

Course #: **757581**

Grade Level: **11**

Duration/# Credits: **Semester/5 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **G**

Prerequisite: **Completion of Principles of Hospitality and Tourism & Great Customer Service**

School Sites: **Vallejo High**

Course Description: In the Event Planning course, students learn about the process of professional event planning for the full range of event possibilities: special events and business events, sports events and entertainment/performing arts events. Students are introduced to all aspects of event planning, including aligning events with the client's goals, sustainable event planning practices, facility selection and management, personnel management, audience management, budgeting, marketing, fundraising, and sponsorship. Students also consider the role of events in the larger context of communities and society. They realize how important events are to the health or revitalization of regions around the world. By learning about these topics and practicing these skills, students gain valuable experience in project management that can be applied to any course of study or career path. Students examine career opportunities as an event planner, facility manager, event coordinator, or event promoter. Students also learn about the education, experience, and skills needed to enter and succeed in this field. For their culminating projects, students work together to host an event for their school or local community.

Course Title: **Hospitality Marketing**

Course #: **757584**

Grade Level: **11**

Duration/# Credits: **Semester/5 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **G**

Prerequisite: **Completion of Principles of Hospitality and Tourism & Great Customer Service**

School Sites: **Vallejo High**

Course Description: Hospitality Marketing introduces students to the objectives, strategies, and tools that are important to marketing in the hospitality industry. This course exposes students to the wide range of marketing options that all marketing managers and business owners consider as they create marketing plans. Students explore many new concepts while expanding their understanding of several marketing topics that were introduced in Principles

of Hospitality and Tourism. Students become familiar with each phase of marketing and with strategies to build business and brand equity, for both large-scale operations (such as hotel chains) and smaller businesses (such as restaurants). They learn how to assess marketing niches, understand customer and consumer needs, and conduct basic market research. As students study the benefits and potential drawbacks of various marketing channels, they develop an integrated marketing campaign that uses a range of appropriate marketing channels. Finally, this course explores career opportunities in the field of hospitality marketing. For their culminating project, students develop a marketing plan for a new tourist attraction to be developed in their local community.

Course Title: **The Enterprise NAF Entrepreneurship P**

Course #: **606070**

Grade Level: **12**

Duration/# Credits: **Semester/5 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **G**

Prerequisite: **Completion of Event Planning & Hospitality Marketing**

School Sites: **Vallejo High**

Course Description: Entrepreneurship provides students with an understanding of the critical role played by entrepreneurs in the national and global economy. Students learn not only the skills necessary to become entrepreneurs but also the attitudes, characteristics, and techniques that successful entrepreneurs have and that students will need to succeed. Building on concepts introduced in Principles of Finance, the Entrepreneurship curriculum approaches student learning experientially by encouraging students to evaluate, develop, and work with the business ideas they already have or those they conceive during the course. Students explore the steps necessary for starting a business, including analyzing the market, finding financing, and creating a form of organization that will accommodate future growth. They learn about the operational issues that new businesses face, such as regulations, protecting intellectual property, and the financial risks of starting a business. Students examine ethical issues and develop a framework for managing them. Finally, students identify the risks, returns, and other aspects of entrepreneurship as a potential career. Integral to the curriculum is a culminating project that builds on a student's ability to research the market and develop a business plan.

Course Title: **Professional Ethics**

Course #: **606075**

Grade Level: **12**

Duration/# Credits: **Semester/5 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **G**

Prerequisite: **Completion of Event Planning & Hospitality Marketing**

School Sites: **Vallejo High**

Course Description: This course gives students a solid understanding of the role ethics holds across the professions. It develops students' ability to evaluate ethical issues with reason and logic, and it gives them the tools they need to resolve ethical dilemmas that they will encounter during their careers. Employers today are actively looking for employees with these skills. An introduction to the philosophies that have informed ethical reasoning since antiquity helps students to realize that thinking through ageless questions such as "what is justice?" and "what does being an ethical person really mean?" is the first step to discovering what they value and how they can use ethics to guide them in their careers. Students then explore the qualities that characterize an ethical professional. Students practice using a decision-making framework to locate the underlying question that must be answered to resolve a range of ethical dilemmas. They practice using the ethical theories and framework they have learned to propose solutions to ethical issues presented as case studies. With these ethical tools on hand, students investigate ethics in the workplace, the kinds of ethical problems that employees frequently confront, and the systems that protect employees from such unethical practices as discrimination and unlawful termination. Their culminating project requires students to bring the knowledge and skills they have developed in this course to bear on a serious ethical issue that their industry faces today.

## **Multimedia Pathway**

Industry Sector: Arts, Media, and Entertainment

Vallejo High School offers the Multimedia Pathway that is a part of the Arts, Media and Entertainment industry.

Course Title: **Multimedia 1**

Course #: **660215**

Grade Level: **9-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Enrollment in the Multimedia Academy**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This is the first course in the Multimedia Academy. Its purpose is to introduce students to the design concepts that will be used throughout the career instruction, to introduce students to the demands of working for clients, and to prepare them for the management demands of working in this career area. This is a year-long elective course. Students will create digital images using computers, Adobe Photoshop, digital cameras, and scanners. Students will learn to connect and apply digital art knowledge to art design principles, subject areas, and careers. Students will gain an understanding of the historical contributions and cultural dimensions of digital media.

Course Title: **Multimedia 2**

Course #: **713018**

Grade Level: **10-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Completion of Multimedia 1**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: Multimedia II is a one-year course that furthers student's understanding of the computer as a tool for art. Students practice art/design principles and arts/media/entertainment career skills while using new media (computers, digital cameras, tablets, scanners, etc.) to produce their own original art projects. In this hands-on studio class, students learn to manipulate various technologies to create advanced level graphics, photographs, design, film and audio. Students will: manipulate light to take advanced photography; continue to manipulate photography and other raster graphics; continue to shoot and edit film projects; continue to edit and add film effects; continue to create illustrations; continue to design, stylize and manipulate text for print, digital distribution and the web. Throughout the course, students develop as graphic designers, filmmakers, artistic collaborators and visual storytellers.

Course Title: **Multimedia 3**

Course #: **713017**

Grade Level: 11-12

Duration/Term: **Year/10 credits**

Graduation Requirement: **Visual and Performing Arts**

UC/CSU (A-G) Requirement: **F**

Prerequisite: **Completion of Multimedia 2**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: This is the Capstone or last course Multimedia Pathway. It will provide students in this pathway with the closest exposure to industry standards prior to their graduation from high school through internships. Students will develop an appreciation of traditional artistic expression as well as an understanding of the role of contemporary multimedia as a verbal and visual means of communication in today's society. They will develop business concepts and principles, production elements, and presentation and project completion skills. Students will expand their knowledge of graphic editing, interactive authoring, web design, music studio work and video production. Students will receive real world experiences and learn to work individually as well as in groups to produce products using industry standards.



## OTHER ELECTIVES

### VCUSD Computer Science Courses

Course Title: **CyberSecurity Essentials**

Course #: **970512**

Grade Level: **10-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **None**

School Sites: **None**

Course Description: Cybersecurity gives students a broad exposure to the many aspects of digital and information security, while encouraging socially responsible choices and ethical behavior. It inspires algorithmic thinking, computational thinking, and especially, “outside-the-box” thinking. Students explore the many educational and career paths available to cybersecurity experts, as well as other careers that comprise the field of information security. The course contains the following units of study: Unit 1 - Personal Security, Unit 2 - System Security, Unit 3 - Network Security, and Unit 4 - Applied Cyber Security.

Course Title: **Intro to Computer Program with C P**

Course #: **719020**

Grade Level: **9-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **G**

Prerequisite: **None**

School Sites: **Vallejo High**

Course Description: This course uses the Introduction to Computer Programming Course provided by UC Davis to learn some basic programming skills in the first semester. We will then apply these skills to program robots to be able to navigate obstacle courses along with

performing other functions. We will also use CODEHS to learn a new programming language called Python!

Course Title: **AP Computer Science Principles P**

Course #: **970513**

Grade Level: **9-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **D**

Prerequisite: **None**

School Sites: **Jesse Bethel High**

Course Description: Computer Science Principles is designed to introduce students to the central ideas of computer science, to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing changes the world. The course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of the field. Through both its content and pedagogy, this course aims to appeal to a broad audience.

Course Title: **AP Computer Science A P**

Course #: **970515**

Grade Level: **9-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **C**

Prerequisite: **None**

School Sites: **Vallejo High**

Course Description: Computer Science Principles is designed to introduce students to the central ideas of computer science, to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing changes the world. The course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of the field. Through both its content and pedagogy, this course aims to appeal to a broad audience.

Course Title: **Drone Technology**

Course #: **709515**

Grade Level: **9-12**

Duration/# Credits: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement: **C**

Prerequisite: **None**

School Sites: **Jesse Bethel High**

Course Description: The Drone Technology course introduces students to academically rigorous aviation and aerospace STEAM concepts aligned to national standards, including the Common Core Standards, the Next Generation Science Standards, and FAA Airman Certification Standards. The four-year aviation-based STEAM curriculum teaches the concepts tested in the industry certification tests, specifically the FAA Private Pilot and Unmanned Aircraft General-Small (UAG) knowledge exams. The first year course will lead students through an eventual CTE sequence of courses, which includes a capstone project for career success.

## **VCUSD CMA Program (Clinical Medical Assistance)**

Program Description: Cal Regional

Course Title: **Medical Science**

Course #: **431015**

Grade Level: **9-12**

Duration/Term: **10 credits awarded upon completion at end of the school year**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement:

Prerequisite: **None**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: Clinical Medical Assistant - Advanced

This course is a capstone course designed to produce employable graduates with those competencies necessary to move on to post-secondary education and/or an entry-level medical back office position. Students will practice and perform clinical duties that include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by a physician. Students will research and discuss ethical, legal, and professional behavior in a medical office and will adhere to those findings throughout the year. The community classroom internship provides

the student with actual supervised experience in a medical office, or clinic, to enhance those competencies acquired during classroom theory and laboratory training.

## NON-DEPARTMENTAL COURSES

Course Title - Course #

- **AVID 9** - #902512
- **AVID 10** - #903012
- **AVID 11**- #903512
- **AVID 12** - #904012\*

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement

Prerequisite: Contact the individual school AVID coordinator. \*AVID 12 is for students who have been in the AVID program for at least one year.

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: AVID (Advancement Via Individual Determination) is an elective class designed to prepare students in the academic middle who have the desire to go to college and the willingness to work hard. These are students who are capable of completing a rigorous curriculum but are falling short of their potential. The course emphasizes rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test-taking strategies, note-taking, and research. The AVID elective class has a proven track record in bringing out the best in students, and in closing the achievement gap.

Course Title: **AVID Tutor**

Course #**902513**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement

Prerequisite: Must have been in the program for at least one year.

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: AVID (Advancement Via Individual Determination) AVID tutor is a one-year elective course for students wishing to be tutors in the AVID elective program. Students will tutor 5-7 AVID students twice a week during the tutorial portion of the AVID elective class and assist the teacher in providing academic and organizational skills to students. The tutors are expected to be able to help in at least three academic subjects in which they themselves have been successful at an Honors or Advanced Placement level, i.e., world languages, language arts, mathematics, sciences, and social sciences. Tutors will receive instruction and training using the inquiry method that encourages higher-level thinking by students.

Course Title: **Leadership**

Course #**918012**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement

Prerequisite: **None**

School Sites: Jesse Bethel High, Vallejo High, John Finney High

Course Description: The Leadership/Student Council class is the student council and student activities center. All class officers and ASB officers are elected to leadership. A number of other positions are open to students through an application process. Positions for the upcoming school year are filled during the spring of the previous year. Students are responsible for the activities and spirit of the student body. Leadership students must have a willingness to serve the student body as well as set a positive example to fellow students and the community. The goal of the leadership class is to develop the skills necessary for students to fulfill the duties of their positions and to become effective leaders in the future. The course gives students an opportunity to work with their peers, school staff, and community members in order to promote a positive school experience and develop a school community of which we can be proud.

Course Title: **Journalism**

Course #**915012**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement

UC/CSU (A-G) Requirement: **G**

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This is a one-year elective course that provides instruction in writing and composition techniques necessary for the publication of a school newspaper.

Note: This course counts as elective credit only, not English credit.

Course Title: **Journalism: Yearbook 1**

Course #**913512**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement

UC/CSU (A-G) Requirement

Prerequisite

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: Yearbook is an elective class designed to teach the skills necessary for the publication of an almanac of a year's activity at a high school. Students learn design, layout, editing, and marketing skills in addition to other skills.

Course Title: **Life Skills Work Experience**

Course #**926048**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement

UC/CSU (A-G) Requirement

Prerequisite: **IEP**

School Sites: **Jesse Bethel High**

Course Description: This is a program for students who may take a minimum program in the school and receive on-the-job training in the community for credit towards graduation.

Exploratory: Its general purpose is the vocational guidance of the pupil by affording him/her the opportunity to observe and sample systematically a variety of conditions of work for the purpose of ascertaining his/her suitability for the occupation he/she is exploring. General: This is the supervised part-time employment of pupils with the intent of assisting them in acquiring desirable work habits and attitudes. The part-time job held by the pupil need not be related to the occupational goal of the pupil.

Course Title: **Life Skills Culinary Arts**

Course #**753220**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement

Prerequisite: **IEP**

School Sites: **Jesse Bethel High, Vallejo High**

Course Description: The Life Skills Culinary Arts course will teach students to plan, shop, and cook foods related to the food pyramid. It will also help students understand safety skills in the kitchen, the use of all kitchen utensils, food and food preparation vocabulary, grocery ads, budgeting, grocery lists, shopping skills, and other things related to culinary arts.

Course Title: **Family Living**

Course #**755512**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement

UC/CSU (A-G) Requirement

Prerequisite: **IEP**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: This course provides individual/small group counseling through Solano County Mental Health and is determined by a student's IEP.

Course Title: **Work Based Learning 1**

Course #**905515**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement

UC/CSU (A-G) Requirement

Prerequisite: **IEP**

School Sites: Jesse Bethel High, Vallejo High, John Finney High

Course Description: Work Based Learning 1 (TPP Seminar) is an employment preparation course. The course will focus on soft skills development as well as selected academy exploration culminating in acquiring competencies to obtain successful employment in

selected academy career pathways. This course will be offered with a hands-on approach which includes job shadowing, volunteering, and work experience opportunities. Additionally, connections with industry in the classroom will include speakers, mentors, career fairs, and advisory panels.

Course Title: **Work Based Learning 2**

Course #**905520**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement

UC/CSU (A-G) Requirement

Prerequisite: **IEP**

School Sites: **Jesse Bethel High, Vallejo High, John Finney High**

Course Description: Work Based Learning 2 (TPP Seminar 2) is an employment preparation course that provides an additional emphasis on employment in the community with students gaining work experience with employers and participating in internships at businesses. The course will provide soft skills development as well as individualized academy support culminating in acquiring competencies to obtain successful employment in selected academy career pathways. This course will be offered with a hands-on approach which includes job shadowing, volunteering, and focusing on work experience opportunities. Additionally, connections with industry in the classroom will include speakers, mentors, career fairs, and advisory panels as well as connections with employers for students participating in work experience and internships. Students will have the opportunity to enroll with the California Department of Rehabilitation to access support and services needed to achieve their employment goals after leaving K-12.

Course Title - Course #

- **Curriculum Support ELA 09 #950051**
- **Curriculum Support ELA 10 - #950551**
- **Curriculum Support ELA 11- #951051**
- **Curriculum Support ELA 12 - #951551**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement:

UC/CSU (A-G) Requirement:



Prerequisite: **IEP**

School Sites: **Vallejo High**

Course Description: These courses are designed for students with identified special needs that require support services with the general education program. Placement in the program is made on the basis of the student's needs and abilities.

Course Title - Course #

- **Curriculum Support Math 09 - #990008**
- **Curriculum Support Math 10 - #990009**
- **Curriculum Support Math 11 - #990010**
- **Curriculum Support Math 12 - #990011**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement:

UC/CSU (A-G) Requirement:

Prerequisite: **IEP**

School Sites: **Vallejo High**

Course Description: These courses are designed for students with identified special needs that require support services with the general education program. Placement in the program is made on the basis of the student's needs and abilities.

## **NJROTC: NAVY JUNIOR RESERVE OFFICERS TRAINING CORPS**

The Naval Junior Reserve Training Corps (NJROTC) was established at Bethel High School in 2010 after 37 years at Hogan High School. It is the only naval program in the Vallejo City Unified School District. The program stresses citizenship, academics, community and school service, self-discipline and patriotism. The Bethel NJROTC includes classroom study in naval orientation, naval history, astronomy, oceanography, meteorology, government, economics, and leadership. Bethel NJROTC also emphasizes physical fitness, respectful conduct, personal appearance and communications skills. The Bethel NJROTC participates in parades, field trips, drill meets, and other after school activities to support students' overall education.

NJROTC is open to all Bethel students. Each course qualifies toward graduation requirements as an elective.

Course Title: **Naval Science 1**

Course #: **921512**

Grade Level: **9-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement:

Prerequisite: **None**

School Sites **Jesse Bethel High**

Course Description: This is an introductory course for first year Naval Science students. This course emphasizes study habits, personal hygiene, conduct, and courtesy in order to lay a foundation for sound leadership and citizenship.

Initial information on naval organization, career opportunities, navigation, seamanship, and basic naval orientation are taught. On alternate days students will receive physical education and marching drill training to include motor movements, conditioning and sports to develop teamwork and cooperation.

Course Title: **Naval Science 2**

Course #: **922013**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement:

Prerequisite: **Completion of Naval Science 1**

School Sites: **Jesse Bethel High**

Course Description: This advanced course of instruction includes leadership, citizenship, government, economics, oceanography, meteorology, astronomy, international law of the sea, national strategy and naval tactics (including logistics, weapons systems, and Marine Corps operations). Again, on alternate days students will receive physical education and marching drill training as in Naval Science 1.

Course Title: **Naval Science 3**

Course #: **922513**

Grade Level: **11-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement:

Prerequisite: **Completion of Naval Science 2**

School Sites: **Jesse Bethel High**

Course Description: This advanced course continues the instruction of Naval Science 2 with added instruction in leadership. See course description of Naval Science 2 for details of curriculum. The course provides instruction and guidance for students to attain leadership positions in the NJROTC program. This course fulfills a graduation elective requirement.

Course Title: **Naval Science 4**

Course #: **923012**

Grade Level: **12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement:

Prerequisite: **Completion of Naval Science 3**

School Sites: **Jesse Bethel High**

Course Description: This advanced course builds on Naval Science 3 and provides instruction and guidance to students in NJROTC leadership positions. See course description of Naval Science 2 for details of curriculum. This course fulfills a graduation elective requirement.

Course Title: **Naval Science Leadership**

Course #: **923512**

Grade Level: **10-12**

Duration/Term: **Year/10 credits**

Graduation Requirement: **Elective**

UC/CSU (A-G) Requirement:

Prerequisite: **Satisfactory completion of Naval Science courses, be in a leadership position in the NJROTC unit, and be approved by the Senior Naval Science Instructor.**

School Sites: **Jesse Bethel High**

Course Description: This is an advanced class in naval leadership. Students must be in leadership positions in the NJROTC unit and approved by the Senior Naval Science Instructor to enroll in the class. The course provides students the opportunity to learn and practice planning and organizing skills. The skills will be used in preparing for the numerous NJROT activities. These activities include: parades, drill competitions, athletic competitions, academic competitions, social events, inspections and awards recognition events. In addition, students in this course will assist the naval science instructors in the administration of the NJROTC program. This class will be held before school during zero period.

# ACADEMY/CTE PATHWAY COURSE PROGRESSIONS

## VHS - Biotechnology Pathway

California has always been considered the birthplace of biotechnology. Currently, it is not only considered as the generative force in the industry but is also home to three out of the four largest biotechnology companies in the nation and 40-55% of the nation's total biotechnology presence.

Vallejo High School's Biotechnology Academy is geared toward providing students with laboratory and technical skills in biotechnology that will allow them to either go directly to the biotechnology workforce or pursue higher education at a community college and/or university with a biotechnology emphasis.

### Biotechnology Academy Suggested Course Sequence

9th Grade:

- English 9P
- Algebra 1P
- Biology 1P
- Elective
- PE 9
- World Language

10th Grade

- English 10P
- Geometry P
- Biotechnology 1
- World History
- PE 10
- World Language

11th Grade:

- English 11P
- Algebra 2P
- Biotechnology 2
- US History
- Elective

- Elective / World Language

12th Grade:

- English 12P
- Elective/Pre-Calculus
- Chemistry for Biotechnology
- Government/ Economics
- Elective/Medical Science
- Elective

## **VHS - Engineering Academy**

Take a look around you. Virtually everything within arm's reach -- your cell phone, TV, iPod, car, computer (big or small), the building you're in, the clothes you wear -- was designed, developed or created using engineering. It's everywhere.

Engineers from all disciplines -- electrical, civil, industrial, manufacturing, computer and more -- are responsible for conceiving and producing just about every product imaginable.

The Engineering Academy takes all of your classroom knowledge and teaches you how to use it to engineer real products and processes and present them to the world at large. It isn't a program; it is a multi-year "small learning community" designed to be fun, exciting, challenging and rewarding.

### Engineering Academy Suggested Course Sequence

9th Grade:

- English 9P
- Algebra 1P
- Biology 1P
- PE 9
- Elective
- World Language

10th Grade

- English 10P
- Geometry P
- Chemistry P
- World History

- Introduction to Design
- World Language

#### 11th Grade:

- English 11P
- Algebra 2P
- US History
- PE Recreation
- Principles of Engineering
- Elective/World Language

#### 12th Grade:

- English 12P
- Government/Economics
- Elective/Physics
- Elective
- Engineering Design & Development or Civil Engineering Architecture
- Elective

## **VHS - Hospitality Pathway**

The Hospitality Academy prepares students for post-secondary education and careers through a theme-based curriculum approach. The Academy provides students with the requisite knowledge and skills for a successful career through a curriculum that provides an in-depth look at all aspects of the hospitality, tourism and recreation business. Articulation with Solano Community College allows students to earn college credits while enrolled in the Academy. The Academy provides hands-on learning opportunities, field trips, internships/work experience, scholarships, and job skills for any career.

### Hospitality Pathway Suggested Course Sequence

#### 9th Grade:

- English 9P
- Algebra 1P
- Biology 1P
- Elective
- PE 9
- World Language

#### 10th Grade

- English 10P
- Geometry P
- Chemistry P
- World History
- Principles of Hospitality and Tourism
- World Language

#### 11th Grade:

- English 11P
- Algebra 2P
- US History
- Elective/PE Recreation
- Delivering Great Customer Service (Sem) + Event Planning (Sem)
- Elective

#### 12th Grade:

- English 12P
- Government/Economics
- Elective/PE Recreation
- Elective
- Hospitality Marketing (Sem)+ Entrepreneurship (Sem)
- Elective

## **JBHS/VHS - Multimedia Pathway**

Recognizing the engaging and transformative power of the Arts within our Learning Environment and the long standing creative legacy of noted contributions that Vallejo's diverse community has made to this multifaceted and ever expanding field, we have launched our Visual and Performing Arts Academy. Students will have the opportunity to connect and enrich that tradition by experiencing, exploring, creating and designing projects that will showcase their talents, hopes and dreams in the process.

### Multimedia Pathway Suggested Course Sequence

#### 9th Grade:

- English 9P
- Algebra 1P
- Biology 1P
- PE 9



- Visual and Performing Arts/ Elective
- World Language

#### 10th Grade

- English 10P
- Geometry P
- Chemistry P
- World History
- Multimedia 1
- World Language

#### 11th Grade:

- English 11P
- Algebra 2P
- US History
- PE Recreation
- Multimedia 2
- Elective/World Language

#### 12th Grade:

- English 12P
- Government/Economics
- Elective
- Elective
- Multimedia Production & Design 2
- Elective

## **JBHS: Biomedical Pathway**

In the Biomedical Academy, students explore the concepts of human medicine and are introduced to topics such as physiology, genetics, microbiology and public health. Through activities, like dissecting a heart, students examine the processes, structures and interactions of the human body – often playing the role of biomedical professionals. They also explore the prevention, diagnosis and treatment of disease, working collaboratively to investigate and design innovative solutions to the health challenges of the 21st century such as fighting cancer with nanotechnology.

### Biomedical Pathway Suggested Course Sequence

#### 9th Grade:

- 9th Grade
- English 9P
- Algebra 1P
- Biology 1P
- PE 9
- Elective
- World Language

#### 10th Grade

- English 10P
- Geometry P
- Chemistry P
- World History
- Principles of Biomedical Science
- World Language

#### 11th Grade:

- English 11P
- Algebra 2P
- Elective/Physics
- US History
- Human Body Systems
- PE/Elective

#### 12th Grade:

- English 12P
- Elective/Pre-calculus
- Government/ Economics
- Medical Interventions
- Elective
- Elective

## **JBHS - Law Academy**

The mission of the Law Academy at Jesse Bethel High School is to introduce and prepare students for professional career exploration in the diverse fields of law. Students will acquire an exploratory knowledge of law, courts, criminal law, civil law, law enforcement, advocacy

and forensic science through a variety of projects, extended classroom experiences, internships and guest speakers. The fundamentals and principles learned by academy students will prepare Law Academy graduates for career and college exploration in the legal professions.

### Law Academy Suggested Course Sequence

#### 9th Grade:

- English 9P
- Algebra 1P
- Biology 1P
- PE 9
- Elective
- World Language

#### 10th Grade

- English 10P
- Geometry P
- Chemistry P
- World History
- Introduction to Law and Speech Communication
- World Language

#### 11th Grade:

- English 11P
- Algebra 2P
- US History
- PE Recreation
- Investigating Law and Justice
- Elective/World Language

#### 12th Grade:

- English 12P
- Government/Economics
- Elective
- Elective
- Practical Law
- Elective

## **COURSE APPENDIX**

These courses are no longer offered at VCUSD high schools.

### **Inactive Science Courses**

#### **Environmental Science**

Students will build upon what they learn in Biology and Environmental Analysis Through Chemistry for a more in depth study of natural resources and the human effect on the environment. The course has a strong focus on environmental jobs and preparation for environmental careers. Students will learn about natural resource conservation through hands-on activities, labs, field trips, and guest lectures. The course will cover the following topics: Scientific Method, ecology, populations, natural resources, climate change, pollution, and renewable and nonrenewable energy. Students will explore solutions to the problems facing the environment and its effect on human health today.

Prerequisite: Enrollment in Green Academy.

#### **Environmental Analysis through Chemistry**

This is the introductory course in JBHS's Green Academy. Students will learn all the California chemistry content standards paying particular attention to how each topic pertains to environmental issues.

Students will explore solutions to environmental issues during lab activities and field trips throughout the year as they study the natural world and record their findings through sketches, notes and experimental data. In partnership with the Vallejo Watershed Alliance, Solano Conservation Resource Board, Solano Land Trust and the San Pablo Bay National Wildlife Refuge, students will have direct experiences learning the chemistry and ecology of streams, lakes, vernal pools, and salt marshes. They will also explore soil toxicity, greenhouse gasses and the effects of energy use on the environment.

Prerequisite/Corequisite: Algebra 1 and enrollment in the Green Academy

#### **Environmental Science and Engineering**

This course is designed to be the culminating class for seniors in a science, energy, engineering and technology academy. Students will use their extensive understanding of the world as a whole and the global issues we face as humans to understand the need for sustainable global systems.

With this real world understanding of sustainability of systems, students will look at current global issues such as, lack of water, clean energy, food, epidemics, population, and then research engineering solutions applicable to specific global issues. Students will use the academic knowledge of engineering taught in the beginning of this course to evaluate the engineering solutions they have found through extensive research and reflect on the restraints presented by the specific global issue, to allow the student to design a prototype solution through innovative engineering applications.

Prerequisite: Enrollment in Green Academy

### **AP Environmental Science**

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The course includes elements of geology, biology, environmental studies, environmental science, chemistry, and geography. This is a rigorous science course that stresses scientific principles and analysis and includes a strong laboratory component outdoors as well as in the laboratory.

Prerequisite: Enrollment in Green Academy

The Health and Fitness Academy of Vallejo High School offers a series of courses to support students as they explore various health and fitness related careers. Prerequisite for these courses: Enrollment in the Health and Fitness Academy.

### **Intro to Health and Fitness:** Not UC Approved

This physical education course is the introductory course for the Sports and Fitness Academy. Fitness and individual/team sports activities are emphasized. While completing their PE 10 requirement, students explore topics such as health, fitness and recreation. This introductory course will prepare students to choose a pathway focus for grades 11 and 12.

Prerequisite: Enrollment in Health and Fitness Academy.

### **Health and Fitness 2:** Not UC Approved

Health and Fitness 2 is the second course in the three Academy course sequence of the VHS Health and Fitness Academy. This course continues exploration of the topics introduced in Intro to Health and Fitness. Students will learn more about nutrition, physical activity, alcohol, tobacco, recreational drugs, personal safety, social and emotional health, personal health and wellness, HIV prevention, sexuality education, and a variety of health occupations and career pathways. Students will explore the variety of health topics while interweaving career and technical studies to better equip them for their future.

Prerequisite: Enrollment in Health and Fitness Academy.

**Health and Fitness Seminar:** Not UC Approved

In Health and Fitness Seminar, students will develop a hypothesis or a driving question to guide them in research in an area of their chosen career/college pathway. Pathways will be Athletic Training, Exercise Science, Strength and Conditioning, Concepts in Nursing, Nutrition/Registered Dietician, and Mental Health. Students develop this question or hypothesis during the first weeks of school and continue to research through the school year; it will serve as a culminating project for their senior year. Students will also be developing their portfolios and exploring colleges and careers in their areas of interest.

Prerequisite: Enrollment in Health and Fitness Academy.

\*Pending UC/CSU approval.

CTE: Engineering Academy

**Computing with Robotics**

This course introduces students to the working principles and foundational knowledge of robotics. Students learn to control a single robot and multiple robots by graphical user interface, pose teaching, and object-oriented programs. Students write robotics programs to perform various tasks based on the sensory information of the robot. Through hands-on problem-based projects, students develop critical thinking, problem solving, effective communication, and teamwork skills. Robots are used as platforms to engage students in collaboratively learning science, technology, engineering, and math. This course emphasizes hands-on robotics activities with a concentration on algorithm development for solving problems in math and science.

**Digital Electronics**

Digital Electronics is the third class in the Engineering Pathway. This course is a year-long course focusing on digital electronics, circuit design, remote data collection, and computer programming.

# UC A-G COURSE LIST

## History/Social Science (A)

2 Years required for UC/CSU, 3 Years required for VCUSD.

### American Government

- A-G Requirement: A: Civics / American Government
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### AP Government and Politics United States

- A-G Requirement: The College Board Advanced Placement Program  
A: Civics / American Government
- Associated Schools: JBHS/VHS
- Details: UC Honors, Classroom-based

### AP United States History

- A-G Requirement: The College Board Advanced Placement Program  
A: Civics / American Government
- Associated Schools: JBHS/VHS
- Details: UC Honors, Classroom-based

### AP World History

- A-G Requirement: The College Board Advanced Placement Program  
A: World History / Cultures / Historical Geography
- Associated Schools: JBHS/VHS
- Details: UC Honors, Classroom-based

### Principles of American Democracy

- A-G Requirement: A: Civics / American Government
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### U.S. History Foundations to Present

- A-G Requirement: A: U.S. History
- Associated Schools: JBHS/VHS

- Details: Online-based: OdysseyWare, Inc

### United States History

- A-G Requirement: A: U.S. History
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### World History

- A-G Requirement: A: World History / Cultures / Historical Geography
- Associated Schools: VHS
- Details: Classroom-based

### World History P

- A-G Requirement: A: World History / Cultures / Historical Geography
- Associated Schools: JBHS
- Details: Classroom-based

### World History, Culture, and Geography: The Modern World

- A-G Requirement: A: World History / Cultures / Historical Geography
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

## **English (B)**

4 Years required for UC/CSU, 4 Years required for VCUSD. (1 year of ELD).

### AP English Language and Composition

- A-G Requirement: The College Board Advanced Placement Program  
B: English
- Associated Schools: JBHS/VHS
- Details: UC Honors, Classroom-based

### AP English Literature and Composition

- A-G Requirement: The College Board Advanced Placement Program  
B: English
- Associated Schools: JBHS/VHS



- Details: UC Honors, Classroom-based

#### English 10 (2131) CA

- A-G Requirement: B: English
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc-

#### English 10P

- A-G Requirement: B: English
- Associated Schools: JBHS/VHS
- Details: Classroom-based

#### English 11 (2132) CA

- A-G Requirement: B: English
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

#### English 11P

- A-G Requirement: B: English
- Associated Schools: JBHS/VHS
- Details: Classroom-based

#### English 12 (2133) CA

- A-G Requirement: B: English
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

#### English 12P

- A-G Requirement: B: English
- Associated Schools: JBHS/VHS
- Details: Classroom-based

#### English 9 (2130) CA

- A-G Requirement: B: English
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### English 9P

- A-G Requirement: B: English
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Literature: Science Fiction P

- A-G Requirement: B: English
- Associated Schools: VHS
- Details: Classroom-based

### Multicultural Literature P

- A-G Requirement: B: English
- Associated Schools: VHS
- Details: Classroom-based

## **Mathematics (C)**

3 Years required for UC/CSU, 3 Years required for VCUSD.

### Algebra 1

- A-G Requirement: C: Algebra I
- Associated Schools: JBHS
- Details: Classroom-based

### Algebra 2

- A-G Requirement: C: Algebra II
- Associated Schools: JBHS
- Details: Classroom-based

### Algebra 1P

- A-G Requirement: C: Algebra I
- Associated Schools: VHS
- Details: Classroom-based

### Algebra 2P

- A-G Requirement: C: Algebra II

- Associated Schools: VHS
- Details: Classroom-based

### Algebra I

- A-G Requirement: C: Algebra I
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Algebra II

- A-G Requirement: C: Algebra II
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### AP Calculus AB

- A-G Requirement: The College Board Advanced Placement Program  
C: Calculus
- Associated Schools: VHS
- Details: UC Honors, Classroom-based

### AP Computer Science A

- A-G Requirement: The College Board Advanced Placement Program  
C: Computer Science
- Associated Schools: VHS
- Details: UC Honors, Classroom-based

### AP Statistics

- A-G Requirement: The College Board Advanced Placement Program  
C: Statistics
- Associated Schools: JBHS
- Details: UC Honors, Classroom-based

### EAP Senior Year Mathematics (ESM) Course

- A-G Requirement: C: Advanced Mathematics
- Associated Schools: JBHS
- Details: Classroom-based

### Geometry

- A-G Requirement: C: Geometry
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Geometry p

- A-G Requirement: C: Geometry
- Associated Schools: VHS
- Details: Classroom-based

### Integrated Math 1P

- A-G Requirement: C: Mathematics I
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Integrated Math 2P (IM2)

- A-G Requirement: C: Mathematics II
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Integrated Math I

- A-G Requirement: C: Mathematics I
- Associated Schools: JBHS
- Details: Classroom-based

### Pre-Calculus

- A-G Requirement: C: Advanced Mathematics
- Associated Schools: JBHS
- Details: Classroom-based

### Pre-Calculus P

- A-G Requirement: C: Advanced Mathematics
- Associated Schools: VHS
- Details: Classroom-based

### Statistics

- A-G Requirement: C: Statistics
- Associated Schools: JBHS/VHS

- Details: Classroom-based

## **Science (D)**

2 Years required for UC/CSU (3 recommended), 3 Years required for VCUSD.

### Anatomy & Physiology P

- A-G Requirement: D: Biology / Life Sciences
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### AP Biology

- A-G Requirement: The College Board Advanced Placement Program  
D: Biology / Life Sciences
- Associated Schools: JBHS/VHS
- Details: UC Honors, Classroom-based

### AP Chemistry

- A-G Requirement: The College Board Advanced Placement Program  
D: Chemistry
- Associated Schools: JBHS/VHS
- Details: UC Honors, Classroom-based

### AP Computer Science Principles

- A-G Requirement: The College Board Advanced Placement Program  
D: Computer Science
- Associated Schools: JBHS/VHS
- Details: UC Honors, Classroom-based

### AP Physics 1

- A-G Requirement: The College Board Advanced Placement Program  
D: Physics
- Associated Schools: JBHS/VHS
- Details: UC Honors, Classroom-based

### Biology 1

- A-G Requirement: D: Biology / Life Sciences
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Biotechnology

- A-G Requirement: Solano County Office of Education ROP  
D: Biology / Life Sciences
- Associated Schools: VHS
- Details: Classroom-based

### Biotechnology 2P

- A-G Requirement: D: Biology / Life Sciences
- Associated Schools: VHS
- Details: Classroom-based

### Chemistry

- A-G Requirement: D: Chemistry
- Associated Schools: JBHS
- Details: Classroom-based

### Computer Programming for Solving Applied Problems

- A-G Requirement: D: Computer Science
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Computer with Robotics

- A-G Requirement: D: Computer Science
- Associated Schools: VHS
- Details: Classroom-based

### Chemistry for Biotechnology

- A-G Requirement: D: Chemistry
- Associated Schools: VHS
- Details: Classroom-based

### Chemistry p

- A-G Requirement: D: Chemistry

- Associated Schools: VHS
- Details: Classroom-based

#### Environmental Analysis of Chemistry

- A-G Requirement: D: Chemistry
- Associated Schools: JBHS
- Details: Classroom-based

#### Environmental Biology P

- A-G Requirement: D: Biology / Life Sciences
- Associated Schools: JBHS
- Details: Classroom-based

#### Environmental Science P

- A-G Requirement: D: Interdisciplinary Sciences
- Associated Schools: JBHS
- Details: Classroom-based

#### Environmental Systems and Engineering

- A-G Requirement: D: Interdisciplinary Sciences
- Associated Schools: JBHS
- Details: Classroom-based

#### Forensics

- A-G Requirement: D: Interdisciplinary Sciences
- Associated Schools: JBHS
- Details: Classroom-based

#### Physics

- A-G Requirement: D: Physics
- Associated Schools: JBHS
- Details: Classroom-based

#### Physics and Technology 1P

- A-G Requirement: D: Physics
- Associated Schools: VHS
- Details: Classroom-based

### Physics P

- A-G Requirement: D: Physics
- Associated Schools: VHS
- Details: Classroom-based

### PLTW Biomedical Innovation

- A-G Requirement: D: Biology / Life Sciences
- Associated Schools: JBHS/VHS
- Details: Project Lead the Way (PLTW), Classroom-based

### PLTW Civil Engineering and Architecture

- A-G Requirement: D: Engineering
- Associated Schools: VHS
- Details: Project Lead the Way (PLTW), Classroom-based

### PLTW Cybersecurity

- A-G Requirement: D: Computer Science
- Associated Schools: VHS
- Details: Project Lead the Way (PLTW), Classroom-based

### PLTW Engineering Design and Development

- A-G Requirement: D: Engineering
- Associated Schools: VHS
- Details: Project Lead the Way (PLTW), Classroom-based

### PLTW Human Body Systems

- A-G Requirement: D: Biology / Life Sciences
- Associated Schools: JBHS/VHS
- Details: Project Lead the Way (PLTW), Classroom-based

### PLTW Medical Interventions

- A-G Requirement: D: Biology / Life Sciences
- Associated Schools: JBHS/VHS
- Details: Project Lead the Way (PLTW), Classroom-based

### PLTW Principles of Biomedical Science



- A-G Requirement: D: Biology / Life Sciences
- Associated Schools: JBHS/VHS
- Details: Project Lead the Way (PLTW), Classroom-based

### PLTW Principles of Engineering

- A-G Requirement: D: Engineering
- Associated Schools: VHS
- Details: Project Lead the Way (PLTW), Classroom-based

### Sports Medicine Kinesiology

- A-G Requirement: D: Biology / Life Sciences
- Associated Schools: JBHS
- Details: Classroom-based

## **Language Other Than English (E)**

2 Years required for UC/CSU (3 recommended), 1 Year required for VCUSD.

### American Sign Language 1

- A-G Requirement: E: LOTE Level 1
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### American Sign Language 2

- A-G Requirement: E: LOTE Level 2
- Associated Schools: JBHS
- Details: Classroom-based

### American Sign Language 3

- A-G Requirement: E: LOTE Level 3
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### AP Spanish Language and Culture

- A-G Requirement: The College Board Advanced Placement Program  
E: LOTE Level 4+

- Associated Schools: JBHS/VHS
- Details: UC Honors, Classroom-based

### Filipino 1

- A-G Requirement: E: LOTE Level 1
- Associated Schools: JBHS
- Details: Classroom-based

### Filipino 1P

- A-G Requirement: E: LOTE Level 1
- Associated Schools: VHS
- Details: Classroom-based

### Filipino 2

- A-G Requirement: E: LOTE Level 2
- Associated Schools: JBHS
- Details: Classroom-based

### Filipino 2P

- A-G Requirement: E: LOTE Level 2
- Associated Schools: VHS
- Details: Classroom-based

### Filipino 3

- A-G Requirement: E: LOTE Level 3
- Associated Schools: JBHS
- Details: Classroom-based

### Filipino 3P

- A-G Requirement: E: LOTE Level 3
- Associated Schools: VHS
- Details: Classroom-based

### Filipino 4 HP

- A-G Requirement: E: LOTE Level 4+
- Associated Schools: VHS
- Details: UC Honors, Classroom-based

### Filipino for Filipino Speakers 1P

- A-G Requirement: E: LOTE Level 1
- Associated Schools: VHS
- Details: Classroom-based

### Filipino for Filipino Speakers 2P

- A-G Requirement: E: LOTE Level 2
- Associated Schools: VHS
- Details: Classroom-based

### French 1P

- A-G Requirement: E: LOTE Level 1
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### French 2P

- A-G Requirement: E: LOTE Level 2
- Associated Schools: VHS
- Details: Classroom-based

### French 3

- A-G Requirement: E: LOTE Level 3
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### French 3P

- A-G Requirement: E: LOTE Level 3
- Associated Schools: VHS
- Details: Classroom-based

### French 4 HP

- A-G Requirement: E: LOTE Level 4+
- Associated Schools: VHS
- Details: UC Honors, Classroom-based

### French I

- A-G Requirement: E: LOTE Level 1
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### French II

- A-G Requirement: E: LOTE Level 2
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### French II (P)

- A-G Requirement: E: LOTE Level 2
- Associated Schools: JBHS
- Details: Classroom-based

### Spanish 1

- A-G Requirement: E: LOTE Level 1
- Associated Schools: JBHS
- Details: Classroom-based

### Spanish 1P

- A-G Requirement: E: LOTE Level 1
- Associated Schools: VHS
- Details: Classroom-based

### Spanish 2

- A-G Requirement: E: LOTE Level 2
- Associated Schools: JBHS
- Details: Classroom-based

### Spanish 2P

- A-G Requirement: E: LOTE Level 2
- Associated Schools: VHS
- Details: Classroom-based

### Spanish 3

- A-G Requirement: E: LOTE Level 3
- Associated Schools: JBHS

- Details: Classroom-based

### Spanish 3P

- A-G Requirement: E: LOTE Level 3
- Associated Schools: VHS
- Details: Classroom-based

### Spanish 4 HP

- A-G Requirement: E: LOTE Level 4+
- Associated Schools: VHS
- Details: UC Honors, Classroom-based

### Spanish for Spanish Speakers 1P

- A-G Requirement: E: LOTE Level 1
- Associated Schools: VHS
- Details: Classroom-based

### Spanish for Spanish Speakers 2P

- A-G Requirement: E: LOTE Level 2
- Associated Schools: VHS
- Details: Classroom-based

### Spanish for Spanish Speakers 3P

- A-G Requirement: E: LOTE Level 3
- Associated Schools: VHS
- Details: Classroom-based

### Spanish I

- A-G Requirement: E: LOTE Level 1
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Spanish II

- A-G Requirement: E: LOTE Level 2
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

## **Visual & Performing Arts (F)**

1 year required

One unit (equivalent to one year) required, chosen from one of the following categories: dance, music, theater, interdisciplinary arts, or visual arts (e.g., painting, web/graphic design, film/video, inter/multimedia arts). Two one-semester courses from the same discipline is also acceptable.

### Advanced Band

- A-G Requirement: F: Music
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### AP 2D Art and Design

- A-G Requirement: The College Board Advanced Placement Program  
F: Visual Arts
- Associated Schools: VHS
- Details: UC Honors, Online, Classroom-based

### AP Drawing

- A-G Requirement: The College Board Advanced Placement Program  
F: Visual Arts
- Associated Schools: JBHS
- Details: UC Honors, Classroom-based

### Art 1

- A-G Requirement: F: Visual Arts
- Associated Schools: JBHS
- Details: Classroom-based

### Art 1P

- A-G Requirement: F: Visual Arts
- Associated Schools: VHS
- Details: Classroom-based

### Art 2

- A-G Requirement: F: Visual Arts
- Associated Schools: JBHS
- Details: Classroom-based

### Art 2P

- A-G Requirement: F: Visual Arts
- Associated Schools: VHS
- Details: Classroom-based

### Art in the Digital Age

- A-G Requirement: F: Visual Arts
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Audio -Media Production

- A-G Requirement: F: Visual Arts
- Associated Schools: VHS
- Details: Classroom-based

### Beginning Guitar P

- A-G Requirement: F: Music
- Associated Schools: VHS
- Details: Classroom-based

### Ceramics 1P

- A-G Requirement: F: Visual Arts
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Ceramics 2P

- A-G Requirement: F: Visual Arts
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Drama 1

- A-G Requirement: F: Theater
- Associated Schools: JBHS
- Details: Classroom-based

### Drama 1P

- A-G Requirement: F: Theater
- Associated Schools: VHS
- Details: Classroom-based

### Drama 2P

- A-G Requirement: F: Theater
- Associated Schools: VHS
- Details: Classroom-based

### Intermediate Cabinetry, Millwork, and Woodworking

- A-G Requirement: F: Interdisciplinary Arts
- Associated Schools: VHS
- Details: Classroom-based

### Intermediate Guitar P

- A-G Requirement: F: Music
- Associated Schools: VHS
- Details: Classroom-based

### Introduction to Design 1, 2

- A-G Requirement: F: Visual Arts
- Associated Schools: VHS
- Details: Project Lead the Way (PLTW), Classroom-based

### Introduction to Media Arts

- A-G Requirement: F: Visual Arts



- Associated Schools: VHS
- Details: Project Lead the Way (PLTW), Classroom-based

### Jazz Band

- A-G Requirement: F: Music
- Associated Schools: JBHS
- Details: Classroom-based

### Jazz Band P

- A-G Requirement: F: Music
- Associated Schools: VHS
- Details: Classroom-based

### Multimedia 1

- A-G Requirement: F: Visual Arts
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Multimedia 2

- A-G Requirement: F: Visual Arts
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Multimedia III

- A-G Requirement: F: Visual Arts
- Associated Schools: JBHS
- Details: Classroom-based

### Music Appreciation P

- A-G Requirement: F: Music
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Photography 1P

- A-G Requirement: F: Visual Arts
- Associated Schools: VHS
- Details: Classroom-based

### Sports Broadcasting 1

- A-G Requirement: F: Interdisciplinary Arts
- Associated Schools: JBHS/VHS
- Details: Classroom-based

## **College-Preparatory Elective (G)**

1 year required

One unit (equivalent to one year) chosen from the "a-f" courses beyond those used to satisfy the requirements of the "a-f" subjects, or courses that have been approved solely in the elective area.

### Advanced Medical Assistant- Clinical

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Animal Systems

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### AP Macroeconomics

- A-G Requirement: G: History / Social Science
- Associated Schools: JBHS
- Details: UC Honors, Classroom-based

### AVID 9

- A-G Requirement: G: Interdisciplinary
- Associated Schools: VHS
- Details: AVID - Advancement Via Individual Determination, Classroom-based

### AVID 10

- A-G Requirement: G: Interdisciplinary

- Associated Schools: VHS
- Details: AVID - Advancement Via Individual Determination, Classroom-based

### AVID 11

- A-G Requirement: G: Interdisciplinary
- Associated Schools: VHS
- Details: AVID - Advancement Via Individual Determination, Classroom-based

### Business Fundamentals

- A-G Requirement: G: History / Social Science
- Associated Schools: JBHS
- Details: Classroom-based

### Business in a Global Economy

- A-G Requirement: G: History / Social Science
- Associated Schools: JBHS
- Details: National Academy Foundation (NAF), Classroom-based

### Business in a Global Economy

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS
- Details: Classroom-based

### Business Law

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Civil War

- A-G Requirement: G: History / Social Science
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Computer Science Principles CTE

- A-G Requirement: G: Interdisciplinary

- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Consumer Math

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Corrections: Policies and Procedures

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Economics

- A-G Requirement: G: History / Social Science
- Associated Schools: JBHS/JFHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Economics HP

- A-G Requirement: G: History / Social Science
- Associated Schools: VHS
- Details: Classroom-based

### Economics P

- A-G Requirement: G: History / Social Science
- Associated Schools: VHS
- Details: Classroom-based

### Engineering and Design

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Engineering and Innovation

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Environmental Science

- A-G Requirement: G: Science - Integrated Science
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Ethics in Business

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS
- Details: National Academy Foundation (NAF), Classroom-based

### Ethnic Studies

- A-G Requirement: G: History / Social Science
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Event Planning

- A-G Requirement: G: Interdisciplinary
- Associated Schools: VHS
- Details: Classroom-based

### Get Focused Stay Focused - Career and College Readiness

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Get Focused Stay Focused

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Great Customer Service

- A-G Requirement: G: Interdisciplinary
- Associated Schools: VHS
- Details: Classroom-based

### Hospitality Marketing

- A-G Requirement: G: Interdisciplinary
- Associated Schools: VHS
- Details: Classroom-based

### Introduction to Law and Speech

- A-G Requirement: G: History / Social Science
- Associated Schools: JBHS
- Details: Classroom-based

### Introduction to Careers in the Health Sciences

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Investigating Law and Justice

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS
- Details: Classroom-based

### Legal Services

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Medical Terminology

- A-G Requirement: G: Science - Biology/Life Sciences
- Associated Schools: VHS
- Details: Classroom-based

### Music Appreciation

- A-G Requirement: G: Visual & Performing Arts
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Music Theory

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS

- Details: Online-based: OdysseyWare, Inc

#### Natural Resources Systems

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

#### Practical Law

- A-G Requirement: G: History / Social Science
- Associated Schools: JBHS
- Details: Classroom-based

#### Principals of Finance

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS
- Details: National Academy Foundation (NAF), Classroom-based

#### Principles of Business and Finance

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

#### Principles of Hospitality and Tourism

- A-G Requirement: G: English
- Associated Schools: VHS
- Details: Classroom-based

#### Principles of Technology and Engineering

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

#### Professional Ethics

- A-G Requirement: G: Interdisciplinary
- Associated Schools: VHS
- Details: Classroom-based

### Psychology

- A-G Requirement: G: History / Social Science
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Psychology P

- A-G Requirement: G: History / Social Science
- Associated Schools: JBHS/VHS
- Details: Classroom-based

### Sociology

- A-G Requirement: G: History / Social Science
- Associated Schools: JBHS
- Details: Classroom-based

### Sports Management

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS
- Details: Classroom-based

### The Enterprise NAF Entrepreneurship

- A-G Requirement: G: Interdisciplinary
- Associated Schools: JBHS/VHS
- Details: National Academy Foundation (NAF), Classroom-based

### Vietnam Era

- A-G Requirement: G: History / Social Science
- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc

### Virtual Enterprise

- A-G Requirement: G: History / Social Science
- Associated Schools: VHS
- Details: Solano County Office of Education ROP, Classroom-based

### World Geography

- A-G Requirement: G: History / Social Science



- Associated Schools: JBHS/VHS
- Details: Online-based: OdysseyWare, Inc